

BRIAR API C++ Stubs

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1 BRIAR API Stubs	1
2 Namespace Index	3
2.1 Namespace List	3
3 Hierarchical Index	5
3.1 Class Hierarchy	5
4 Class Index	13
4.1 Class List	13
5 File Index	21
5.1 File List	21
6 Namespace Documentation	23
6.1 briar Namespace Reference	23
6.1.1 Enumeration Type Documentation	34
6.1.1.1 BiometricModality	35
6.1.1.2 BriarDataType	35
6.1.1.3 BriarError	36
6.1.1.4 BriarMedia_DataType	36
6.1.1.5 BriarServiceStatus	37
6.1.1.6 EnrollFlags	38
6.1.1.7 EntryType	38
6.1.1.8 ExtractFlags	38
6.1.1.9 FeatureVectorType	39
6.1.1.10 SearchFlags	39
6.1.1.11 VerifyFlags	39
6.1.1.12 VerifyRequest_VerifyRole	40
6.1.2 Function Documentation	40
6.1.2.1 BiometricModality_descriptor()	40
6.1.2.2 BiometricModality_IsValid()	40
6.1.2.3 BiometricModality_Name()	40
6.1.2.4 BiometricModality_Parse()	41
6.1.2.5 BriarDataType_descriptor()	41
6.1.2.6 BriarDataType_IsValid()	41
6.1.2.7 BriarDataType_Name()	41
6.1.2.8 BriarDataType_Parse()	41
6.1.2.9 BriarError_descriptor()	41
6.1.2.10 BriarError_IsValid()	41
6.1.2.11 BriarError_Name()	42
6.1.2.12 BriarError_Parse()	42
6.1.2.13 BriarMedia_DataType_descriptor()	42
6.1.2.14 BriarMedia_DataType_IsValid()	42

6.1.2.15 BriarMedia_DataType_Name()	42
6.1.2.16 BriarMedia_DataType_Parse()	42
6.1.2.17 BriarServiceStatus_descriptor()	43
6.1.2.18 BriarServiceStatus_IsValid()	43
6.1.2.19 BriarServiceStatus_Name()	43
6.1.2.20 BriarServiceStatus_Parse()	43
6.1.2.21 EnrollFlags_descriptor()	43
6.1.2.22 EnrollFlags_IsValid()	43
6.1.2.23 EnrollFlags_Name()	43
6.1.2.24 EnrollFlags_Parse()	44
6.1.2.25 EntryType_descriptor()	44
6.1.2.26 EntryType_IsValid()	44
6.1.2.27 EntryType_Name()	44
6.1.2.28 EntryType_Parse()	44
6.1.2.29 ExtractFlags_descriptor()	44
6.1.2.30 ExtractFlags_IsValid()	44
6.1.2.31 ExtractFlags_Name()	45
6.1.2.32 ExtractFlags_Parse()	45
6.1.2.33 FeatureVectorType_descriptor()	45
6.1.2.34 FeatureVectorType_IsValid()	45
6.1.2.35 FeatureVectorType_Name()	45
6.1.2.36 FeatureVectorType_Parse()	45
6.1.2.37 SearchFlags_descriptor()	46
6.1.2.38 SearchFlags_IsValid()	46
6.1.2.39 SearchFlags_Name()	46
6.1.2.40 SearchFlags_Parse()	46
6.1.2.41 VerifyFlags_descriptor()	46
6.1.2.42 VerifyFlags_IsValid()	46
6.1.2.43 VerifyFlags_Name()	46
6.1.2.44 VerifyFlags_Parse()	47
6.1.2.45 VerifyRequest_VerifyRole_descriptor()	47
6.1.2.46 VerifyRequest_VerifyRole_IsValid()	47
6.1.2.47 VerifyRequest_VerifyRole_Name()	47
6.1.2.48 VerifyRequest_VerifyRole_Parse()	47
6.1.3 Variable Documentation	47
6.1.3.1 _APIVersion_default_instance_	47
6.1.3.2 _Attribute_default_instance_	48
6.1.3.3 _BoolOption_default_instance_	48
6.1.3.4 _BriarDatabase_default_instance_	48
6.1.3.5 _BriarDatabaseInfo_default_instance_	48
6.1.3.6 _BriarDuration_default_instance_	48
6.1.3.7 _BriarDurations_default_instance_	48

6.1.3.8 _BriarDurations_SubDurationsEntry_DoNotUse_default_instance_	48
6.1.3.9 _BriarDurationsList_default_instance_	49
6.1.3.10 _BriarErrorMessage_default_instance_	49
6.1.3.11 _BriarErrors_default_instance_	49
6.1.3.12 _BriarMatrix_default_instance_	49
6.1.3.13 _BriarMedia_default_instance_	49
6.1.3.14 _BriarPoint2D_default_instance_	49
6.1.3.15 _BriarProgress_default_instance_	49
6.1.3.16 _BriarRect_default_instance_	49
6.1.3.17 _BriarServiceConfigurationReply_default_instance_	50
6.1.3.18 _BriarServiceConfigurationRequest_default_instance_	50
6.1.3.19 _BriarVector_default_instance_	50
6.1.3.20 _ClusterConfidence_default_instance_	50
6.1.3.21 _ClusterIds_default_instance_	50
6.1.3.22 _ClusterReply_default_instance_	50
6.1.3.23 _ClusterRequest_default_instance_	50
6.1.3.24 _DatabaseCheckpointReply_default_instance_	51
6.1.3.25 _DatabaseCheckpointRequest_default_instance_	51
6.1.3.26 _DatabaseCheckpointSubjectRequest_default_instance_	51
6.1.3.27 _DatabaseCreateReply_default_instance_	51
6.1.3.28 _DatabaseCreateRequest_default_instance_	51
6.1.3.29 _DatabaseDeleteReply_default_instance_	51
6.1.3.30 _DatabaseDeleteRequest_default_instance_	51
6.1.3.31 _DatabaseFinalizeReply_default_instance_	52
6.1.3.32 _DatabaseFinalizeRequest_default_instance_	52
6.1.3.33 _DatabaseHasEntryReply_default_instance_	52
6.1.3.34 _DatabaseHasEntryRequest_default_instance_	52
6.1.3.35 _DatabaseInfoReply_default_instance_	52
6.1.3.36 _DatabaseInfoRequest_default_instance_	52
6.1.3.37 _DatabaseInsertReply_default_instance_	52
6.1.3.38 _DatabaseInsertRequest_default_instance_	52
6.1.3.39 _DatabaseListentriesReply_default_instance_	53
6.1.3.40 _DatabaseListEntriesRequest_default_instance_	53
6.1.3.41 _DatabaseListReply_default_instance_	53
6.1.3.42 _DatabaseListRequest_default_instance_	53
6.1.3.43 _DatabaseLoadReply_default_instance_	53
6.1.3.44 _DatabaseLoadRequest_default_instance_	53
6.1.3.45 _DatabaseMergeReply_default_instance_	53
6.1.3.46 _DatabaseMergeRequest_default_instance_	54
6.1.3.47 _DatabaseMoveEntryReply_default_instance_	54
6.1.3.48 _DatabaseMoveEntryRequest_default_instance_	54
6.1.3.49 _DatabaseRemoveTmplsReply_default_instance_	54

6.1.3.50 _DatabaseRemoveTmplsRequest_default_instance_	54
6.1.3.51 _DatabaseRenameReply_default_instance_	54
6.1.3.52 _DatabaseRenameRequest_default_instance_	54
6.1.3.53 _DatabaseRetrieveReply_default_instance_	55
6.1.3.54 _DatabaseRetrieveRequest_default_instance_	55
6.1.3.55 _Detection_default_instance_	55
6.1.3.56 _DetectionOptions_default_instance_	55
6.1.3.57 _DetectReply_default_instance_	55
6.1.3.58 _DetectRequest_default_instance_	55
6.1.3.59 _Empty_default_instance_	55
6.1.3.60 _EnhanceOptions_default_instance_	55
6.1.3.61 _EnhanceReply_default_instance_	56
6.1.3.62 _EnhanceRequest_default_instance_	56
6.1.3.63 _EnrollCustomRequest_default_instance_	56
6.1.3.64 _EnrollmentInfo_default_instance_	56
6.1.3.65 _EnrollOptions_default_instance_	56
6.1.3.66 _EnrollReply_default_instance_	56
6.1.3.67 _EnrollRequest_default_instance_	56
6.1.3.68 _ExtractOptions_default_instance_	56
6.1.3.69 _ExtractReply_default_instance_	57
6.1.3.70 _ExtractRequest_default_instance_	57
6.1.3.71 _FloatOption_default_instance_	57
6.1.3.72 _FrameMetadata_default_instance_	57
6.1.3.73 _IntOption_default_instance_	57
6.1.3.74 _MediaMetadata_default_instance_	57
6.1.3.75 _Record_default_instance_	57
6.1.3.76 _Record_MediaPreviewsEntry_DoNotUse_default_instance_	57
6.1.3.77 _Record_SubjectPreviewsEntry_DoNotUse_default_instance_	58
6.1.3.78 _RecordList_default_instance_	58
6.1.3.79 _SearchDatabaseReply_default_instance_	58
6.1.3.80 _SearchDatabaseRequest_default_instance_	58
6.1.3.81 _SearchMatchInfo_default_instance_	58
6.1.3.82 _SearchMatchList_default_instance_	58
6.1.3.83 _SearchOptions_default_instance_	58
6.1.3.84 _SearchReply_default_instance_	59
6.1.3.85 _SearchRequest_default_instance_	59
6.1.3.86 _StatusReply_default_instance_	59
6.1.3.87 _StatusRequest_default_instance_	59
6.1.3.88 _StringOption_default_instance_	59
6.1.3.89 _Template_default_instance_	59
6.1.3.90 _TemplateData_default_instance_	59
6.1.3.91 _TemplateIds_default_instance_	59

6.1.3.92 _TemplateImageInput_default_instance_	60
6.1.3.93 _TemplateList_default_instance_	60
6.1.3.94 _TemplateListGroup_default_instance_	60
6.1.3.95 _TrackingOptions_default_instance_	60
6.1.3.96 _Tracklet_default_instance_	60
6.1.3.97 _TrackReply_default_instance_	60
6.1.3.98 _TrackRequest_default_instance_	60
6.1.3.99 _VerifyDatabaseReply_default_instance_	60
6.1.3.100 _VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse_default_instance_	61
6.1.3.101 _VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse_default_instance_	61
6.1.3.102 _VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse_default_instance_	61
6.1.3.103 _VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse_default_instance_	61
6.1.3.104 _VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse_default_instance_	61
6.1.3.105 _VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse_default_instance_	61
6.1.3.106 _VerifyDatabaseRequest_default_instance_	61
6.1.3.107 _VerifyMatchInfo_default_instance_	62
6.1.3.108 _VerifyMatchList_default_instance_	62
6.1.3.109 _VerifyOptions_default_instance_	62
6.1.3.110 _VerifyReply_default_instance_	62
6.1.3.111 _VerifyRequest_default_instance_	62
6.1.3.112 BiometricModality_ARRAYSIZE	62
6.1.3.113 BiometricModality_MAX	62
6.1.3.114 BiometricModality_MIN	62
6.1.3.115 BriarDataType_ARRAYSIZE	63
6.1.3.116 BriarDataType_MAX	63
6.1.3.117 BriarDataType_MIN	63
6.1.3.118 BriarError_ARRAYSIZE	63
6.1.3.119 BriarError_MAX	63
6.1.3.120 BriarError_MIN	63
6.1.3.121 BriarMedia_DataType_DataType_ARRAYSIZE	63
6.1.3.122 BriarMedia_DataType_DataType_MAX	64
6.1.3.123 BriarMedia_DataType_DataType_MIN	64
6.1.3.124 BriarServiceStatus_ARRAYSIZE	64
6.1.3.125 BriarServiceStatus_MAX	64
6.1.3.126 BriarServiceStatus_MIN	64
6.1.3.127 EnrollFlags_ARRAYSIZE	64
6.1.3.128 EnrollFlags_MAX	64
6.1.3.129 EnrollFlags_MIN	65
6.1.3.130 EntryType_ARRAYSIZE	65
6.1.3.131 EntryType_MAX	65
6.1.3.132 EntryType_MIN	65
6.1.3.133 ExtractFlags_ARRAYSIZE	65

6.1.3.134 ExtractFlags_MAX	65
6.1.3.135 ExtractFlags_MIN	65
6.1.3.136 FeatureVectorType_ARRAYSIZE	65
6.1.3.137 FeatureVectorType_MAX	66
6.1.3.138 FeatureVectorType_MIN	66
6.1.3.139 SearchFlags_ARRAYSIZE	66
6.1.3.140 SearchFlags_MAX	66
6.1.3.141 SearchFlags_MIN	66
6.1.3.142 VerifyFlags_ARRAYSIZE	66
6.1.3.143 VerifyFlags_MAX	66
6.1.3.144 VerifyFlags_MIN	66
6.1.3.145 VerifyRequest_VerifyRole_VerifyRole_ARRAYSIZE	67
6.1.3.146 VerifyRequest_VerifyRole_VerifyRole_MAX	67
6.1.3.147 VerifyRequest_VerifyRole_VerifyRole_MIN	67
6.2 internal Namespace Reference	67
7 Class Documentation	69
7.1 briar::APIVersion::_Internal Class Reference	69
7.2 briar::Attribute::_Internal Class Reference	69
7.2.1 Member Function Documentation	69
7.2.1.1 matrix()	69
7.2.1.2 media()	69
7.2.1.3 point()	70
7.2.1.4 rect()	70
7.2.1.5 vector()	70
7.3 briar::BoolOption::_Internal Class Reference	70
7.4 briar::BriarDatabase::_Internal Class Reference	70
7.5 briar::BriarDatabaseInfo::_Internal Class Reference	70
7.6 briar::BriarDuration::_Internal Class Reference	71
7.7 briar::BriarDurations::_Internal Class Reference	71
7.7.1 Member Function Documentation	71
7.7.1.1 client_duration_file_level()	71
7.7.1.2 client_duration_frame_level()	71
7.7.1.3 grpc_inbound_transfer_duration()	71
7.7.1.4 grpc_outbound_transfer_duration()	72
7.7.1.5 service_duration()	72
7.7.1.6 total_duration()	72
7.8 briar::BriarDurationsList::_Internal Class Reference	72
7.9 briar::BriarErrorMessage::_Internal Class Reference	72
7.10 briar::BriarErrors::_Internal Class Reference	72
7.11 briar::BriarMatrix::_Internal Class Reference	73
7.12 briar::BriarMedia::_Internal Class Reference	73

7.13 briar::BriarPoint2D::_Internal Class Reference	73
7.14 briar::BriarProgress::_Internal Class Reference	73
7.15 briar::BriarRect::_Internal Class Reference	73
7.16 briar::BriarServiceConfigurationReply::_Internal Class Reference	73
7.17 briar::BriarServiceConfigurationRequest::_Internal Class Reference	74
7.18 briar::BriarVector::_Internal Class Reference	74
7.19 briar::ClusterConfidence::_Internal Class Reference	74
7.20 briar::ClusterIds::_Internal Class Reference	74
7.21 briar::ClusterReply::_Internal Class Reference	74
7.21.1 Member Function Documentation	74
7.21.1.1 durations()	74
7.21.1.2 errors()	75
7.21.1.3 progress()	75
7.22 briar::ClusterRequest::_Internal Class Reference	75
7.22.1 Member Function Documentation	75
7.22.1.1 database()	75
7.22.1.2 durations()	75
7.23 briar::DatabaseCheckpointReply::_Internal Class Reference	76
7.23.1 Member Function Documentation	76
7.23.1.1 durations()	76
7.23.1.2 errors()	76
7.24 briar::DatabaseCheckpointRequest::_Internal Class Reference	76
7.24.1 Member Function Documentation	76
7.24.1.1 database()	76
7.24.1.2 durations()	77
7.24.1.3 errors()	77
7.25 briar::DatabaseCheckpointSubjectRequest::_Internal Class Reference	77
7.25.1 Member Function Documentation	77
7.25.1.1 database()	77
7.25.1.2 durations()	77
7.25.1.3 errors()	78
7.26 briar::DatabaseCreateReply::_Internal Class Reference	78
7.26.1 Member Function Documentation	78
7.26.1.1 durations()	78
7.26.1.2 errors()	78
7.26.1.3 ids()	78
7.27 briar::DatabaseCreateRequest::_Internal Class Reference	79
7.27.1 Member Function Documentation	79
7.27.1.1 database()	79
7.27.1.2 durations()	79
7.27.1.3 tmpls()	79
7.28 briar::DatabaseDeleteReply::_Internal Class Reference	79

7.28.1 Member Function Documentation	79
7.28.1.1 durations()	80
7.28.1.2 errors()	80
7.29 briar::DatabaseDeleteRequest::_Internal Class Reference	80
7.29.1 Member Function Documentation	80
7.29.1.1 database()	80
7.29.1.2 durations()	80
7.30 briar::DatabaseFinalizeReply::_Internal Class Reference	81
7.30.1 Member Function Documentation	81
7.30.1.1 durations()	81
7.30.1.2 errors()	81
7.31 briar::DatabaseFinalizeRequest::_Internal Class Reference	81
7.31.1 Member Function Documentation	81
7.31.1.1 database()	81
7.32 briar::DatabaseHasEntryReply::_Internal Class Reference	82
7.32.1 Member Function Documentation	82
7.32.1.1 progress()	82
7.33 briar::DatabaseHasEntryRequest::_Internal Class Reference	82
7.33.1 Member Function Documentation	82
7.33.1.1 database()	82
7.34 briar::DatabaseInfoReply::_Internal Class Reference	82
7.34.1 Member Function Documentation	83
7.34.1.1 duration()	83
7.34.1.2 info()	83
7.35 briar::DatabaseInfoRequest::_Internal Class Reference	83
7.35.1 Member Function Documentation	83
7.35.1.1 durations()	83
7.36 briar::DatabaseInsertReply::_Internal Class Reference	83
7.36.1 Member Function Documentation	84
7.36.1.1 durations()	84
7.36.1.2 errors()	84
7.36.1.3 ids()	84
7.37 briar::DatabaseInsertRequest::_Internal Class Reference	84
7.37.1 Member Function Documentation	84
7.37.1.1 database()	84
7.37.1.2 durations()	85
7.37.1.3 ids()	85
7.37.1.4 tmpls()	85
7.38 briar::DatabaseListentriesReply::_Internal Class Reference	85
7.38.1 Member Function Documentation	85
7.38.1.1 durations()	85
7.39 briar::DatabaseListEntriesRequest::_Internal Class Reference	86

7.39.1 Member Function Documentation	86
7.39.1.1 durations()	86
7.40 briar::DatabaseListReply::Internal Class Reference	86
7.41 briar::DatabaseListRequest::Internal Class Reference	86
7.42 briar::DatabaseLoadReply::Internal Class Reference	86
7.42.1 Member Function Documentation	86
7.42.1.1 durations()	87
7.42.1.2 errors()	87
7.42.1.3 ids()	87
7.42.1.4 records()	87
7.43 briar::DatabaseLoadRequest::Internal Class Reference	87
7.43.1 Member Function Documentation	87
7.43.1.1 database()	87
7.43.1.2 durations()	88
7.44 briar::DatabaseMergeReply::Internal Class Reference	88
7.44.1 Member Function Documentation	88
7.44.1.1 durations()	88
7.45 briar::DatabaseMergeRequest::Internal Class Reference	88
7.45.1 Member Function Documentation	88
7.45.1.1 durations()	88
7.45.1.2 output_database()	89
7.46 briar::DatabaseMoveEntryReply::Internal Class Reference	89
7.46.1 Member Function Documentation	89
7.46.1.1 progress()	89
7.47 briar::DatabaseMoveEntryRequest::Internal Class Reference	89
7.47.1 Member Function Documentation	89
7.47.1.1 from_database()	89
7.47.1.2 to_database()	90
7.48 briar::DatabaseRemoveTmplsReply::Internal Class Reference	90
7.48.1 Member Function Documentation	90
7.48.1.1 durations()	90
7.48.1.2 errors()	90
7.49 briar::DatabaseRemoveTmplsRequest::Internal Class Reference	90
7.49.1 Member Function Documentation	91
7.49.1.1 database()	91
7.49.1.2 durations()	91
7.49.1.3 ids()	91
7.50 briar::DatabaseRenameReply::Internal Class Reference	91
7.50.1 Member Function Documentation	91
7.50.1.1 durations()	91
7.50.1.2 errors()	92
7.51 briar::DatabaseRenameRequest::Internal Class Reference	92

7.51.1 Member Function Documentation	92
7.51.1.1 database()	92
7.51.1.2 database_new()	92
7.52 briar::DatabaseRetrieveReply::_Internal Class Reference	92
7.52.1 Member Function Documentation	93
7.52.1.1 durations()	93
7.52.1.2 errors()	93
7.52.1.3 records()	93
7.52.1.4 templates()	93
7.53 briar::DatabaseRetrieveRequest::_Internal Class Reference	93
7.53.1 Member Function Documentation	93
7.53.1.1 database()	94
7.53.1.2 durations()	94
7.53.1.3 ids()	94
7.54 briar::Detection::_Internal Class Reference	94
7.54.1 Member Function Documentation	94
7.54.1.1 location()	94
7.54.1.2 mask()	94
7.54.1.3 media()	95
7.55 briar::DetectionOptions::_Internal Class Reference	95
7.55.1 Member Function Documentation	95
7.55.1.1 algorithm_id()	95
7.55.1.2 best()	95
7.55.1.3 body_min_height()	95
7.55.1.4 body_threshold()	96
7.55.1.5 debug()	96
7.55.1.6 detect_batch()	96
7.55.1.7 enable_metadata()	96
7.55.1.8 face_min_height()	96
7.55.1.9 face_threshold()	96
7.55.1.10 return_media()	96
7.55.1.11 tracking_options()	97
7.56 briar::DetectReply::_Internal Class Reference	97
7.56.1 Member Function Documentation	97
7.56.1.1 durations()	97
7.56.1.2 errors()	97
7.56.1.3 progress()	97
7.56.1.4 reference_media()	98
7.57 briar::DetectRequest::_Internal Class Reference	98
7.57.1 Member Function Documentation	98
7.57.1.1 detect_options()	98
7.57.1.2 durations()	98

7.57.1.3 media()	98
7.58 briar::Empty::_Internal Class Reference	99
7.59 briar::EnhanceOptions::_Internal Class Reference	99
7.59.1 Member Function Documentation	99
7.59.1.1 algorithm_id()	99
7.59.1.2 enhance_batch()	99
7.59.1.3 return_media()	99
7.60 briar::EnhanceReply::_Internal Class Reference	100
7.60.1 Member Function Documentation	100
7.60.1.1 durations()	100
7.60.1.2 errors()	100
7.60.1.3 media()	100
7.60.1.4 progress()	100
7.61 briar::EnhanceRequest::_Internal Class Reference	101
7.61.1 Member Function Documentation	101
7.61.1.1 durations()	101
7.61.1.2 enhance_options()	101
7.61.1.3 media()	101
7.62 briar::EnrollCustomRequest::_Internal Class Reference	101
7.62.1 Member Function Documentation	102
7.62.1.1 database()	102
7.62.1.2 detect_options()	102
7.62.1.3 durations()	102
7.62.1.4 enroll_options()	102
7.62.1.5 extract_options()	102
7.63 briar::EnrollmentInfo::_Internal Class Reference	102
7.64 briar::EnrollOptions::_Internal Class Reference	103
7.64.1 Member Function Documentation	103
7.64.1.1 debug()	103
7.64.1.2 enroll_batch()	103
7.64.1.3 return_media()	103
7.64.1.4 save_metadata()	103
7.64.1.5 store_media()	104
7.64.1.6 subject_id_integer()	104
7.64.1.7 use_subject_integer_id()	104
7.65 briar::EnrollReply::_Internal Class Reference	104
7.65.1 Member Function Documentation	104
7.65.1.1 detect_reply()	104
7.65.1.2 durations()	105
7.65.1.3 errors()	105
7.65.1.4 extract_reply()	105
7.65.1.5 progress()	105

7.65.1.6 track_reply()	105
7.66 briar::EnrollRequest::_Internal Class Reference	105
7.66.1 Member Function Documentation	106
7.66.1.1 database()	106
7.66.1.2 detect_options()	106
7.66.1.3 durations()	106
7.66.1.4 enroll_options()	106
7.66.1.5 extract_options()	106
7.66.1.6 media()	106
7.66.1.7 record()	107
7.66.1.8 template_()	107
7.67 briar::ExtractOptions::_Internal Class Reference	107
7.67.1 Member Function Documentation	107
7.67.1.1 algorithm_id()	107
7.67.1.2 debug()	107
7.67.1.3 extract_batch()	108
7.67.1.4 return_media()	108
7.68 briar::ExtractReply::_Internal Class Reference	108
7.68.1 Member Function Documentation	108
7.68.1.1 detect_reply()	108
7.68.1.2 durations()	108
7.68.1.3 errors()	109
7.68.1.4 progress()	109
7.68.1.5 track_reply()	109
7.69 briar::ExtractRequest::_Internal Class Reference	109
7.69.1 Member Function Documentation	109
7.69.1.1 detect_options()	109
7.69.1.2 durations()	110
7.69.1.3 extract_options()	110
7.69.1.4 media()	110
7.70 briar::FloatOption::_Internal Class Reference	110
7.71 briar::FrameMetadata::_Internal Class Reference	110
7.72 briar::IntOption::_Internal Class Reference	110
7.73 briar::MediaMetadata::_Internal Class Reference	111
7.74 briar::Record::_Internal Class Reference	111
7.74.1 Member Function Documentation	111
7.74.1.1 database_id()	111
7.74.1.2 detection()	111
7.75 briar::RecordList::_Internal Class Reference	111
7.76 briar::SearchDatabaseReply::_Internal Class Reference	111
7.76.1 Member Function Documentation	112
7.76.1.1 errors()	112

7.76.1.2 progress()	112
7.77 briar::SearchDatabaseRequest::_Internal Class Reference	112
7.77.1 Member Function Documentation	112
7.77.1.1 database()	112
7.77.1.2 durations()	112
7.77.1.3 probe_database()	113
7.77.1.4 search_options()	113
7.78 briar::SearchMatchInfo::_Internal Class Reference	113
7.78.1 Member Function Documentation	113
7.78.1.1 body()	113
7.78.1.2 face()	113
7.78.1.3 gate()	114
7.79 briar::SearchMatchList::_Internal Class Reference	114
7.80 briar::SearchOptions::_Internal Class Reference	114
7.80.1 Member Function Documentation	114
7.80.1.1 full()	114
7.80.1.2 max_results()	115
7.80.1.3 out_dir()	115
7.80.1.4 output_type()	115
7.80.1.5 probe_database()	115
7.80.1.6 return_matrix()	115
7.80.1.7 return_media()	115
7.80.1.8 search_batch()	115
7.80.1.9 search_database()	116
7.80.1.10 search_threshold()	116
7.80.1.11 use_detections()	116
7.80.1.12 use_templates()	116
7.81 briar::SearchReply::_Internal Class Reference	116
7.81.1 Member Function Documentation	116
7.81.1.1 detect_reply()	117
7.81.1.2 durations()	117
7.81.1.3 errors()	117
7.81.1.4 extract_reply()	117
7.81.1.5 progress()	117
7.82 briar::SearchRequest::_Internal Class Reference	117
7.82.1 Member Function Documentation	118
7.82.1.1 database()	118
7.82.1.2 detect_options()	118
7.82.1.3 durations()	118
7.82.1.4 extract_options()	118
7.82.1.5 media()	118
7.82.1.6 probes()	118

7.82.1.7 <code>search_options()</code>	119
7.83 <code>briar::StatusReply::_Internal Class Reference</code>	119
7.83.1 Member Function Documentation	119
7.83.1.1 <code>api_version()</code>	119
7.83.1.2 <code>version()</code>	119
7.84 <code>briar::StatusRequest::_Internal Class Reference</code>	119
7.85 <code>briar::StringOption::_Internal Class Reference</code>	120
7.86 <code>briar::Template::_Internal Class Reference</code>	120
7.86.1 Member Function Documentation	120
7.86.1.1 <code>data()</code>	120
7.87 <code>briar::TemplateData::_Internal Class Reference</code>	120
7.88 <code>briar::TemplateIds::_Internal Class Reference</code>	120
7.89 <code>briar::TemplateImageInput::_Internal Class Reference</code>	120
7.89.1 Member Function Documentation	121
7.89.1.1 <code>im()</code>	121
7.90 <code>briar::TemplateList::_Internal Class Reference</code>	121
7.91 <code>briar::TemplateListGroup::_Internal Class Reference</code>	121
7.92 <code>briar::TrackingOptions::_Internal Class Reference</code>	121
7.92.1 Member Function Documentation	121
7.92.1.1 <code>algorithm_id()</code>	122
7.92.1.2 <code>return_media()</code>	122
7.92.1.3 <code>threshold()</code>	122
7.92.1.4 <code>tracking_batch()</code>	122
7.92.1.5 <code>tracking_disable()</code>	122
7.93 <code>briar::Tracklet::_Internal Class Reference</code>	122
7.93.1 Member Function Documentation	122
7.93.1.1 <code>options()</code>	123
7.94 <code>briar::TrackReply::_Internal Class Reference</code>	123
7.94.1 Member Function Documentation	123
7.94.1.1 <code>durations()</code>	123
7.94.1.2 <code>errors()</code>	123
7.94.1.3 <code>progress()</code>	123
7.95 <code>briar::TrackRequest::_Internal Class Reference</code>	124
7.95.1 Member Function Documentation	124
7.95.1.1 <code>detect_options()</code>	124
7.95.1.2 <code>durations()</code>	124
7.95.1.3 <code>media()</code>	124
7.96 <code>briar::VerifyDatabaseReply::_Internal Class Reference</code>	124
7.96.1 Member Function Documentation	124
7.96.1.1 <code>errors()</code>	125
7.96.1.2 <code>match_matrix()</code>	125
7.96.1.3 <code>progress()</code>	125

7.97 briar::VerifyDatabaseRequest::_Internal Class Reference	125
7.97.1 Member Function Documentation	125
7.97.1.1 durations()	125
7.97.1.2 reference_database()	126
7.97.1.3 verify_database()	126
7.97.1.4 verify_options()	126
7.98 briar::VerifyMatchInfo::_Internal Class Reference	126
7.98.1 Member Function Documentation	126
7.98.1.1 body()	126
7.98.1.2 face()	126
7.98.1.3 gate()	127
7.99 briar::VerifyMatchList::_Internal Class Reference	127
7.100 briar::VerifyOptions::_Internal Class Reference	127
7.100.1 Member Function Documentation	127
7.100.1.1 debug()	127
7.100.1.2 return_media()	127
7.100.1.3 use_detections()	128
7.100.1.4 use_templates()	128
7.100.1.5 use_whole_image()	128
7.101 briar::VerifyReply::_Internal Class Reference	128
7.101.1 Member Function Documentation	128
7.101.1.1 detect_reply()	128
7.101.1.2 durations()	129
7.101.1.3 errors()	129
7.101.1.4 extract_reply()	129
7.101.1.5 similarities()	129
7.102 briar::VerifyRequest::_Internal Class Reference	129
7.102.1 Member Function Documentation	129
7.102.1.1 detect_options()	130
7.102.1.2 durations()	130
7.102.1.3 extract_options()	130
7.102.1.4 media()	130
7.102.1.5 reference_tmpls()	130
7.102.1.6 verify_options()	130
7.103 briar::APIVersion Class Reference	131
7.103.1 Member Enumeration Documentation	133
7.103.1.1 anonymous enum	133
7.103.2 Constructor & Destructor Documentation	133
7.103.2.1 APIVersion() [1/5]	133
7.103.2.2 ~APIVersion()	133
7.103.2.3 APIVersion() [2/5]	133
7.103.2.4 APIVersion() [3/5]	134

7.103.2.5 APIVersion() [4/5]	134
7.103.2.6 APIVersion() [5/5]	134
7.103.3 Member Function Documentation	134
7.103.3.1 _InternalParse()	134
7.103.3.2 _InternalSerialize()	134
7.103.3.3 ByteSizeLong()	134
7.103.3.4 Clear()	135
7.103.3.5 clear_major()	135
7.103.3.6 clear_minor()	135
7.103.3.7 clear_patch()	135
7.103.3.8 CopyFrom()	135
7.103.3.9 default_instance()	135
7.103.3.10 descriptor()	135
7.103.3.11 GetCachedSize()	136
7.103.3.12 GetClassData()	136
7.103.3.13 GetDescriptor()	136
7.103.3.14 GetMetadata()	136
7.103.3.15 GetReflection()	136
7.103.3.16 internal_default_instance()	136
7.103.3.17 IsInitialized()	136
7.103.3.18 major()	137
7.103.3.19 MergeFrom()	137
7.103.3.20 minor()	137
7.103.3.21 New()	137
7.103.3.22 operator=() [1/2]	137
7.103.3.23 operator=() [2/2]	137
7.103.3.24 patch()	137
7.103.3.25 set_major()	138
7.103.3.26 set_minor()	138
7.103.3.27 set_patch()	138
7.103.3.28 Swap()	138
7.103.3.29 UnsafeArenaSwap()	138
7.103.4 Friends And Related Function Documentation	138
7.103.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	138
7.103.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	139
7.103.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	139
7.103.4.4 swap	139
7.103.5 Member Data Documentation	139
7.103.5.1 _class_data	139
7.103.5.2 kIndexInFileMessages	139
7.104 briar::APIVersionDefaultTypeInternal Struct Reference	140
7.104.1 Constructor & Destructor Documentation	140

7.104.1.1 APIVersionDefaultTypeInternal()	140
7.104.1.2 ~APIVersionDefaultTypeInternal()	141
7.104.2 Member Data Documentation	141
7.104.2.1	141
7.104.2.2 _instance	141
7.105 briar::Attribute Class Reference	141
7.105.1 Member Enumeration Documentation	145
7.105.1.1 anonymous enum	145
7.105.2 Constructor & Destructor Documentation	146
7.105.2.1 Attribute() [1/5]	146
7.105.2.2 ~Attribute()	146
7.105.2.3 Attribute() [2/5]	146
7.105.2.4 Attribute() [3/5]	146
7.105.2.5 Attribute() [4/5]	146
7.105.2.6 Attribute() [5/5]	146
7.105.3 Member Function Documentation	146
7.105.3.1 _InternalParse()	147
7.105.3.2 _InternalSerialize()	147
7.105.3.3 buffer()	147
7.105.3.4 ByteSizeLong()	147
7.105.3.5 Clear()	147
7.105.3.6 clear_buffer()	147
7.105.3.7 clear_description()	147
7.105.3.8 clear_fvalue()	148
7.105.3.9 clear_ivalue()	148
7.105.3.10 clear_json()	148
7.105.3.11 clear_key()	148
7.105.3.12 clear_matrix()	148
7.105.3.13 clear_media()	148
7.105.3.14 clear_pickle()	148
7.105.3.15 clear_point()	148
7.105.3.16 clear_rect()	149
7.105.3.17 clear_text()	149
7.105.3.18 clear_type()	149
7.105.3.19 clear_vector()	149
7.105.3.20 clear_xml()	149
7.105.3.21 CopyFrom()	149
7.105.3.22 default_instance()	149
7.105.3.23 description()	150
7.105.3.24 descriptor()	150
7.105.3.25 fvalue()	150
7.105.3.26 GetCachedSize()	150

7.105.3.27 GetClassData()	150
7.105.3.28 GetDescriptor()	150
7.105.3.29 GetMetadata()	150
7.105.3.30 GetReflection()	151
7.105.3.31 has_matrix()	151
7.105.3.32 has_media()	151
7.105.3.33 has_point()	151
7.105.3.34 has_rect()	151
7.105.3.35 has_vector()	151
7.105.3.36 internal_default_instance()	151
7.105.3.37 IsInitialized()	152
7.105.3.38 ivalue()	152
7.105.3.39 json()	152
7.105.3.40 key()	152
7.105.3.41 matrix()	152
7.105.3.42 media()	152
7.105.3.43 MergeFrom()	152
7.105.3.44 mutable_buffer()	153
7.105.3.45 mutable_description()	153
7.105.3.46 mutable_json()	153
7.105.3.47 mutable_key()	153
7.105.3.48 mutable_matrix()	153
7.105.3.49 mutable_media()	153
7.105.3.50 mutable_pickle()	153
7.105.3.51 mutable_point()	153
7.105.3.52 mutable_rect()	154
7.105.3.53 mutable_text()	154
7.105.3.54 mutable_vector()	154
7.105.3.55 mutable_xml()	154
7.105.3.56 New()	154
7.105.3.57 operator=() [1/2]	154
7.105.3.58 operator=() [2/2]	154
7.105.3.59 pickle()	155
7.105.3.60 point()	155
7.105.3.61 rect()	155
7.105.3.62 release_buffer()	155
7.105.3.63 release_description()	155
7.105.3.64 release_json()	155
7.105.3.65 release_key()	155
7.105.3.66 release_matrix()	155
7.105.3.67 release_media()	156
7.105.3.68 release_pickle()	156

7.105.3.69 release_point()	156
7.105.3.70 release_rect()	156
7.105.3.71 release_text()	156
7.105.3.72 release_vector()	156
7.105.3.73 release_xml()	156
7.105.3.74 set_allocated_buffer()	156
7.105.3.75 set_allocated_description()	157
7.105.3.76 set_allocated_json()	157
7.105.3.77 set_allocated_key()	157
7.105.3.78 set_allocated_matrix()	157
7.105.3.79 set_allocated_media()	157
7.105.3.80 set_allocated_pickle()	157
7.105.3.81 set_allocated_point()	157
7.105.3.82 set_allocated_rect()	158
7.105.3.83 set_allocated_text()	158
7.105.3.84 set_allocated_vector()	158
7.105.3.85 set_allocated_xml()	158
7.105.3.86 set_buffer() [1/2]	158
7.105.3.87 set_buffer() [2/2]	158
7.105.3.88 set_description() [1/2]	159
7.105.3.89 set_description() [2/2]	159
7.105.3.90 set_fvalue()	159
7.105.3.91 set_ivalue()	159
7.105.3.92 set_json() [1/2]	159
7.105.3.93 set_json() [2/2]	159
7.105.3.94 set_key() [1/2]	160
7.105.3.95 set_key() [2/2]	160
7.105.3.96 set_pickle() [1/2]	160
7.105.3.97 set_pickle() [2/2]	160
7.105.3.98 set_text() [1/2]	160
7.105.3.99 set_text() [2/2]	160
7.105.3.100 set_type()	161
7.105.3.101 set_xml() [1/2]	161
7.105.3.102 set_xml() [2/2]	161
7.105.3.103 Swap()	161
7.105.3.104 text()	161
7.105.3.105 type()	161
7.105.3.106 unsafe_arena_release_matrix()	161
7.105.3.107 unsafe_arena_release_media()	162
7.105.3.108 unsafe_arena_release_point()	162
7.105.3.109 unsafe_arena_release_rect()	162
7.105.3.110 unsafe_arena_release_vector()	162

7.105.3.111 unsafe_arena_set_allocated_matrix()	162
7.105.3.112 unsafe_arena_set_allocated_media()	162
7.105.3.113 unsafe_arena_set_allocated_point()	162
7.105.3.114 unsafe_arena_set_allocated_rect()	163
7.105.3.115 unsafe_arena_set_allocated_vector()	163
7.105.3.116 UnsafeArenaSwap()	163
7.105.3.117 vector()	163
7.105.3.118 xml()	163
7.105.4 Friends And Related Function Documentation	163
7.105.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	163
7.105.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	163
7.105.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	164
7.105.4.4 swap	164
7.105.5 Member Data Documentation	164
7.105.5.1 _class_data_	164
7.105.5.2 kIndexInFileMessages	164
7.106 briar::AttributeDefaultTypeInternal Struct Reference	165
7.106.1 Constructor & Destructor Documentation	165
7.106.1.1 AttributeDefaultTypeInternal()	165
7.106.1.2 ~AttributeDefaultTypeInternal()	166
7.106.2 Member Data Documentation	166
7.106.2.1	166
7.106.2.2 _instance	166
7.107 briar::BoolOption Class Reference	166
7.107.1 Member Enumeration Documentation	168
7.107.1.1 anonymous enum	168
7.107.2 Constructor & Destructor Documentation	168
7.107.2.1 BoolOption() [1/5]	168
7.107.2.2 ~BoolOption()	169
7.107.2.3 BoolOption() [2/5]	169
7.107.2.4 BoolOption() [3/5]	169
7.107.2.5 BoolOption() [4/5]	169
7.107.2.6 BoolOption() [5/5]	169
7.107.3 Member Function Documentation	169
7.107.3.1 _InternalParse()	169
7.107.3.2 _InternalSerialize()	170
7.107.3.3 ByteSizeLong()	170
7.107.3.4 Clear()	170
7.107.3.5 clear_override_default()	170
7.107.3.6 clear_value()	170
7.107.3.7 CopyFrom()	170
7.107.3.8 default_instance()	170

7.107.3.9 descriptor()	171
7.107.3.10 GetCachedSize()	171
7.107.3.11 GetClassData()	171
7.107.3.12 GetDescriptor()	171
7.107.3.13 GetMetadata()	171
7.107.3.14 GetReflection()	171
7.107.3.15 internal_default_instance()	171
7.107.3.16 IsInitialized()	172
7.107.3.17 MergeFrom()	172
7.107.3.18 New()	172
7.107.3.19 operator=() [1/2]	172
7.107.3.20 operator=() [2/2]	172
7.107.3.21 override_default()	172
7.107.3.22 set_override_default()	172
7.107.3.23 set_value()	173
7.107.3.24 Swap()	173
7.107.3.25 UnsafeArenaSwap()	173
7.107.3.26 value()	173
7.107.4 Friends And Related Function Documentation	173
7.107.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	173
7.107.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	173
7.107.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	173
7.107.4.4 swap	174
7.107.5 Member Data Documentation	174
7.107.5.1 _class_data_	174
7.107.5.2 kIndexInFileMessages	174
7.108 briar::BoolOptionDefaultTypeInternal Struct Reference	174
7.108.1 Constructor & Destructor Documentation	175
7.108.1.1 BoolOptionDefaultTypeInternal()	175
7.108.1.2 ~BoolOptionDefaultTypeInternal()	175
7.108.2 Member Data Documentation	175
7.108.2.1	175
7.108.2.2 _instance	175
7.109 briar::BriarDatabase Class Reference	176
7.109.1 Member Enumeration Documentation	178
7.109.1.1 anonymous enum	178
7.109.2 Constructor & Destructor Documentation	178
7.109.2.1 BriarDatabase() [1/5]	178
7.109.2.2 ~BriarDatabase()	178
7.109.2.3 BriarDatabase() [2/5]	178
7.109.2.4 BriarDatabase() [3/5]	179
7.109.2.5 BriarDatabase() [4/5]	179

7.109.2.6 BriarDatabase() [5/5]	179
7.109.3 Member Function Documentation	179
7.109.3.1 _InternalParse()	179
7.109.3.2 _InternalSerialize()	179
7.109.3.3 ByteSizeLong()	179
7.109.3.4 Clear()	180
7.109.3.5 clear_name()	180
7.109.3.6 CopyFrom()	180
7.109.3.7 default_instance()	180
7.109.3.8 descriptor()	180
7.109.3.9 GetCachedSize()	180
7.109.3.10 GetClassData()	180
7.109.3.11 GetDescriptor()	181
7.109.3.12 GetMetadata()	181
7.109.3.13 GetReflection()	181
7.109.3.14 internal_default_instance()	181
7.109.3.15 IsInitialized()	181
7.109.3.16 MergeFrom()	181
7.109.3.17 mutable_name()	181
7.109.3.18 name()	182
7.109.3.19 New()	182
7.109.3.20 operator=() [1/2]	182
7.109.3.21 operator=() [2/2]	182
7.109.3.22 release_name()	182
7.109.3.23 set_allocated_name()	182
7.109.3.24 set_name() [1/2]	182
7.109.3.25 set_name() [2/2]	183
7.109.3.26 Swap()	183
7.109.3.27 UnsafeArenaSwap()	183
7.109.4 Friends And Related Function Documentation	183
7.109.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	183
7.109.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	183
7.109.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	183
7.109.4.4 swap	184
7.109.5 Member Data Documentation	184
7.109.5.1 _class_data_	184
7.109.5.2 kIndexInFileMessages	184
7.110 briar::BriarDatabaseDefaultTypeInternal Struct Reference	184
7.110.1 Constructor & Destructor Documentation	185
7.110.1.1 BriarDatabaseDefaultTypeInternal()	185
7.110.1.2 ~BriarDatabaseDefaultTypeInternal()	185
7.110.2 Member Data Documentation	185

7.110.2.1	185
7.110.2.2 _instance	185
7.111 briar::BriarDatabaseInfo Class Reference	186
7.111.1 Member Enumeration Documentation	189
7.111.1.1 anonymous enum	189
7.111.2 Constructor & Destructor Documentation	189
7.111.2.1 BriarDatabaseInfo() [1/5]	189
7.111.2.2 ~BriarDatabaseInfo()	190
7.111.2.3 BriarDatabaseInfo() [2/5]	190
7.111.2.4 BriarDatabaseInfo() [3/5]	190
7.111.2.5 BriarDatabaseInfo() [4/5]	190
7.111.2.6 BriarDatabaseInfo() [5/5]	190
7.111.3 Member Function Documentation	190
7.111.3.1 _InternalParse()	190
7.111.3.2 _InternalSerialize()	191
7.111.3.3 add_attributes()	191
7.111.3.4 add_entry_ids() [1/5]	191
7.111.3.5 add_entry_ids() [2/5]	191
7.111.3.6 add_entry_ids() [3/5]	191
7.111.3.7 add_entry_ids() [4/5]	191
7.111.3.8 add_entry_ids() [5/5]	191
7.111.3.9 add_entry_sizes()	192
7.111.3.10 add_modalities()	192
7.111.3.11 add_templates_per_entry()	192
7.111.3.12 attributes() [1/2]	192
7.111.3.13 attributes() [2/2]	192
7.111.3.14 attributes_size()	192
7.111.3.15 average_entry_size()	192
7.111.3.16 ByteSizeLong()	193
7.111.3.17 Clear()	193
7.111.3.18 clear_attributes()	193
7.111.3.19 clear_average_entry_size()	193
7.111.3.20 clear_entry_count()	193
7.111.3.21 clear_entry_ids()	193
7.111.3.22 clear_entry_sizes()	193
7.111.3.23 clear_failed_enrollment_count()	193
7.111.3.24 clear_modalities()	194
7.111.3.25 clear_name()	194
7.111.3.26 clear_template_count()	194
7.111.3.27 clear_templates_per_entry()	194
7.111.3.28 clear_total_database_size()	194
7.111.3.29 CopyFrom()	194

7.111.3.30 default_instance()	194
7.111.3.31 descriptor()	195
7.111.3.32 entry_count()	195
7.111.3.33 entry_ids() [1/2]	195
7.111.3.34 entry_ids() [2/2]	195
7.111.3.35 entry_ids_size()	195
7.111.3.36 entry_sizes() [1/2]	195
7.111.3.37 entry_sizes() [2/2]	195
7.111.3.38 entry_sizes_size()	196
7.111.3.39 failed_enrollment_count()	196
7.111.3.40 GetCachedSize()	196
7.111.3.41 GetClassData()	196
7.111.3.42 GetDescriptor()	196
7.111.3.43 GetMetadata()	196
7.111.3.44 GetReflection()	196
7.111.3.45 internal_default_instance()	197
7.111.3.46 IsInitialized()	197
7.111.3.47 MergeFrom()	197
7.111.3.48 modalities() [1/2]	197
7.111.3.49 modalities() [2/2]	197
7.111.3.50 modalities_size()	197
7.111.3.51 mutable_attributes() [1/2]	197
7.111.3.52 mutable_attributes() [2/2]	198
7.111.3.53 mutable_entry_ids() [1/2]	198
7.111.3.54 mutable_entry_ids() [2/2]	198
7.111.3.55 mutable_entry_sizes()	198
7.111.3.56 mutable_modalities()	198
7.111.3.57 mutable_name()	198
7.111.3.58 mutable_templates_per_entry()	198
7.111.3.59 name()	199
7.111.3.60 New()	199
7.111.3.61 operator=() [1/2]	199
7.111.3.62 operator=() [2/2]	199
7.111.3.63 release_name()	199
7.111.3.64 set_allocated_name()	199
7.111.3.65 set_average_entry_size()	199
7.111.3.66 set_entry_count()	200
7.111.3.67 set_entry_ids() [1/4]	200
7.111.3.68 set_entry_ids() [2/4]	200
7.111.3.69 set_entry_ids() [3/4]	200
7.111.3.70 set_entry_ids() [4/4]	200
7.111.3.71 set_entry_sizes()	200

7.111.3.72 set_failed_enrollment_count()	201
7.111.3.73 set_modalities()	201
7.111.3.74 set_name() [1/2]	201
7.111.3.75 set_name() [2/2]	201
7.111.3.76 set_template_count()	201
7.111.3.77 set_templates_per_entry()	201
7.111.3.78 set_total_database_size()	202
7.111.3.79 Swap()	202
7.111.3.80 template_count()	202
7.111.3.81 templates_per_entry() [1/2]	202
7.111.3.82 templates_per_entry() [2/2]	202
7.111.3.83 templates_per_entry_size()	202
7.111.3.84 total_database_size()	202
7.111.3.85 UnsafeArenaSwap()	203
7.111.4 Friends And Related Function Documentation	203
7.111.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	203
7.111.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	203
7.111.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	203
7.111.4.4 swap	203
7.111.5 Member Data Documentation	203
7.111.5.1 _class_data_	203
7.111.5.2 kIndexInFileMessages	204
7.112 briar::BriarDatabaseInfoDefaultTypeInternal Struct Reference	204
7.112.1 Constructor & Destructor Documentation	205
7.112.1.1 BriarDatabaseInfoDefaultTypeInternal()	205
7.112.1.2 ~BriarDatabaseInfoDefaultTypeInternal()	205
7.112.2 Member Data Documentation	205
7.112.2.1	205
7.112.2.2 _instance	205
7.113 briar::BriarDuration Class Reference	206
7.113.1 Member Enumeration Documentation	208
7.113.1.1 anonymous enum	208
7.113.2 Constructor & Destructor Documentation	208
7.113.2.1 BriarDuration() [1/5]	208
7.113.2.2 ~BriarDuration()	208
7.113.2.3 BriarDuration() [2/5]	208
7.113.2.4 BriarDuration() [3/5]	209
7.113.2.5 BriarDuration() [4/5]	209
7.113.2.6 BriarDuration() [5/5]	209
7.113.3 Member Function Documentation	209
7.113.3.1 _InternalParse()	209
7.113.3.2 _InternalSerialize()	209

7.113.3.3 ByteSizeLong()	209
7.113.3.4 Clear()	210
7.113.3.5 clear_end()	210
7.113.3.6 clear_start()	210
7.113.3.7 CopyFrom()	210
7.113.3.8 default_instance()	210
7.113.3.9 descriptor()	210
7.113.3.10 end()	210
7.113.3.11 GetCachedSize()	211
7.113.3.12 GetClassData()	211
7.113.3.13 GetDescriptor()	211
7.113.3.14 GetMetadata()	211
7.113.3.15 GetReflection()	211
7.113.3.16 internal_default_instance()	211
7.113.3.17 IsInitialized()	211
7.113.3.18 MergeFrom()	212
7.113.3.19 New()	212
7.113.3.20 operator=() [1/2]	212
7.113.3.21 operator=() [2/2]	212
7.113.3.22 set_end()	212
7.113.3.23 set_start()	212
7.113.3.24 start()	212
7.113.3.25 Swap()	213
7.113.3.26 UnsafeArenaSwap()	213
7.113.4 Friends And Related Function Documentation	213
7.113.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	213
7.113.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	213
7.113.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	213
7.113.4.4 swap	213
7.113.5 Member Data Documentation	213
7.113.5.1 _class_data_	214
7.113.5.2 kIndexInFileMessages	214
7.114 briar::BriarDurationDefaultTypeInternal Struct Reference	214
7.114.1 Constructor & Destructor Documentation	215
7.114.1.1 BriarDurationDefaultTypeInternal()	215
7.114.1.2 ~BriarDurationDefaultTypeInternal()	215
7.114.2 Member Data Documentation	215
7.114.2.1	215
7.114.2.2 _instance	215
7.115 briar::BriarDurations Class Reference	216
7.115.1 Member Enumeration Documentation	218
7.115.1.1 anonymous enum	218

7.115.2 Constructor & Destructor Documentation	219
7.115.2.1 BriarDurations() [1/5]	219
7.115.2.2 ~BriarDurations()	219
7.115.2.3 BriarDurations() [2/5]	219
7.115.2.4 BriarDurations() [3/5]	219
7.115.2.5 BriarDurations() [4/5]	219
7.115.2.6 BriarDurations() [5/5]	220
7.115.3 Member Function Documentation	220
7.115.3.1 _InternalParse()	220
7.115.3.2 _InternalSerialize()	220
7.115.3.3 ByteSizeLong()	220
7.115.3.4 Clear()	220
7.115.3.5 clear_client_duration_file_level()	220
7.115.3.6 clear_client_duration_frame_level()	221
7.115.3.7 clear_grpc_inbound_transfer_duration()	221
7.115.3.8 clear_grpc_outbound_transfer_duration()	221
7.115.3.9 clear_service_duration()	221
7.115.3.10 clear_sub_durations()	221
7.115.3.11 clear_total_duration()	221
7.115.3.12 client_duration_file_level()	221
7.115.3.13 client_duration_frame_level()	222
7.115.3.14 CopyFrom()	222
7.115.3.15 default_instance()	222
7.115.3.16 descriptor()	222
7.115.3.17 GetCachedSize()	222
7.115.3.18 GetClassData()	222
7.115.3.19 GetDescriptor()	222
7.115.3.20 GetMetadata()	223
7.115.3.21 GetReflection()	223
7.115.3.22 grpc_inbound_transfer_duration()	223
7.115.3.23 grpc_outbound_transfer_duration()	223
7.115.3.24 has_client_duration_file_level()	223
7.115.3.25 has_client_duration_frame_level()	223
7.115.3.26 has_grpc_inbound_transfer_duration()	223
7.115.3.27 has_grpc_outbound_transfer_duration()	224
7.115.3.28 has_service_duration()	224
7.115.3.29 has_total_duration()	224
7.115.3.30 internal_default_instance()	224
7.115.3.31 IsInitialized()	224
7.115.3.32 MergeFrom()	224
7.115.3.33 mutable_client_duration_file_level()	224
7.115.3.34 mutable_client_duration_frame_level()	225

7.115.3.35 mutable_grpc_inbound_transfer_duration()	225
7.115.3.36 mutable_grpc_outbound_transfer_duration()	225
7.115.3.37 mutable_service_duration()	225
7.115.3.38 mutable_sub_durations()	225
7.115.3.39 mutable_total_duration()	225
7.115.3.40 New()	225
7.115.3.41 operator=() [1/2]	226
7.115.3.42 operator=() [2/2]	226
7.115.3.43 release_client_duration_file_level()	226
7.115.3.44 release_client_duration_frame_level()	226
7.115.3.45 release_grpc_inbound_transfer_duration()	226
7.115.3.46 release_grpc_outbound_transfer_duration()	226
7.115.3.47 release_service_duration()	226
7.115.3.48 release_total_duration()	227
7.115.3.49 service_duration()	227
7.115.3.50 set_allocated_client_duration_file_level()	227
7.115.3.51 set_allocated_client_duration_frame_level()	227
7.115.3.52 set_allocated_grpc_inbound_transfer_duration()	227
7.115.3.53 set_allocated_grpc_outbound_transfer_duration()	227
7.115.3.54 set_allocated_service_duration()	227
7.115.3.55 set_allocated_total_duration()	228
7.115.3.56 sub_durations()	228
7.115.3.57 sub_durations_size()	228
7.115.3.58 Swap()	228
7.115.3.59 total_duration()	228
7.115.3.60 unsafe_arena_release_client_duration_file_level()	228
7.115.3.61 unsafe_arena_release_client_duration_frame_level()	228
7.115.3.62 unsafe_arena_release_grpc_inbound_transfer_duration()	229
7.115.3.63 unsafe_arena_release_grpc_outbound_transfer_duration()	229
7.115.3.64 unsafe_arena_release_service_duration()	229
7.115.3.65 unsafe_arena_release_total_duration()	229
7.115.3.66 unsafe_arena_set_allocated_client_duration_file_level()	229
7.115.3.67 unsafe_arena_set_allocated_client_duration_frame_level()	229
7.115.3.68 unsafe_arena_set_allocated_grpc_inbound_transfer_duration()	229
7.115.3.69 unsafe_arena_set_allocated_grpc_outbound_transfer_duration()	230
7.115.3.70 unsafe_arena_set_allocated_service_duration()	230
7.115.3.71 unsafe_arena_set_allocated_total_duration()	230
7.115.3.72 UnsafeArenaSwap()	230
7.115.4 Friends And Related Function Documentation	230
7.115.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	230
7.115.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	230
7.115.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	231

7.115.4.4 swap	231
7.115.5 Member Data Documentation	231
7.115.5.1 _class_data_	231
7.115.5.2 kIndexInFileMessages	231
7.116 briar::BriarDurations_SubDurationsEntry_DoNotUse Class Reference	232
7.116.1 Member Typedef Documentation	233
7.116.1.1 SuperType	233
7.116.2 Constructor & Destructor Documentation	233
7.116.2.1 BriarDurations_SubDurationsEntry_DoNotUse() [1/3]	233
7.116.2.2 BriarDurations_SubDurationsEntry_DoNotUse() [2/3]	233
7.116.2.3 BriarDurations_SubDurationsEntry_DoNotUse() [3/3]	233
7.116.3 Member Function Documentation	233
7.116.3.1 GetMetadata()	234
7.116.3.2 internal_default_instance()	234
7.116.3.3 MergeFrom()	234
7.116.3.4 ValidateKey()	234
7.116.3.5 ValidateValue()	234
7.116.4 Friends And Related Function Documentation	234
7.116.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	234
7.117 briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal Struct Reference	235
7.117.1 Constructor & Destructor Documentation	235
7.117.1.1 BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal()	235
7.117.1.2 ~BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal()	235
7.117.2 Member Data Documentation	235
7.117.2.1	236
7.117.2.2 _instance	236
7.118 briar::BriarDurationsDefaultTypeInternal Struct Reference	236
7.118.1 Constructor & Destructor Documentation	237
7.118.1.1 BriarDurationsDefaultTypeInternal()	237
7.118.1.2 ~BriarDurationsDefaultTypeInternal()	237
7.118.2 Member Data Documentation	237
7.118.2.1	237
7.118.2.2 _instance	237
7.119 briar::BriarDurationsList Class Reference	238
7.119.1 Member Enumeration Documentation	240
7.119.1.1 anonymous enum	240
7.119.2 Constructor & Destructor Documentation	240
7.119.2.1 BriarDurationsList() [1/5]	240
7.119.2.2 ~BriarDurationsList()	240
7.119.2.3 BriarDurationsList() [2/5]	240
7.119.2.4 BriarDurationsList() [3/5]	241
7.119.2.5 BriarDurationsList() [4/5]	241

7.119.2.6 BriarDurationsList() [5/5]	241
7.119.3 Member Function Documentation	241
7.119.3.1 _InternalParse()	241
7.119.3.2 _InternalSerialize()	241
7.119.3.3 add_durations_list()	241
7.119.3.4 ByteSizeLong()	242
7.119.3.5 Clear()	242
7.119.3.6 clear_durations_list()	242
7.119.3.7 CopyFrom()	242
7.119.3.8 default_instance()	242
7.119.3.9 descriptor()	242
7.119.3.10 durations_list() [1/2]	242
7.119.3.11 durations_list() [2/2]	243
7.119.3.12 durations_list_size()	243
7.119.3.13 GetCachedSize()	243
7.119.3.14 GetClassData()	243
7.119.3.15 GetDescriptor()	243
7.119.3.16 GetMetadata()	243
7.119.3.17 GetReflection()	243
7.119.3.18 internal_default_instance()	244
7.119.3.19 IsInitialized()	244
7.119.3.20 MergeFrom()	244
7.119.3.21 mutable_durations_list() [1/2]	244
7.119.3.22 mutable_durations_list() [2/2]	244
7.119.3.23 New()	244
7.119.3.24 operator=() [1/2]	244
7.119.3.25 operator=() [2/2]	245
7.119.3.26 Swap()	245
7.119.3.27 UnsafeArenaSwap()	245
7.119.4 Friends And Related Function Documentation	245
7.119.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	245
7.119.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	245
7.119.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	245
7.119.4.4 swap	245
7.119.5 Member Data Documentation	246
7.119.5.1 _class_data_	246
7.119.5.2 kIndexInFileMessages	246
7.120 briar::BriarDurationsListDefaultTypeInternal Struct Reference	246
7.120.1 Constructor & Destructor Documentation	247
7.120.1.1 BriarDurationsListDefaultTypeInternal()	247
7.120.1.2 ~BriarDurationsListDefaultTypeInternal()	247
7.120.2 Member Data Documentation	247

7.120.2.1	247
7.120.2.2 _instance	247
7.121 briar::BriarErrorMessage Class Reference	248
7.121.1 Member Enumeration Documentation	250
7.121.1.1 anonymous enum	250
7.121.2 Constructor & Destructor Documentation	250
7.121.2.1 BriarErrorMessage() [1/5]	250
7.121.2.2 ~BriarErrorMessage()	250
7.121.2.3 BriarErrorMessage() [2/5]	250
7.121.2.4 BriarErrorMessage() [3/5]	251
7.121.2.5 BriarErrorMessage() [4/5]	251
7.121.2.6 BriarErrorMessage() [5/5]	251
7.121.3 Member Function Documentation	251
7.121.3.1 _InternalParse()	251
7.121.3.2 _InternalSerialize()	251
7.121.3.3 ByteSizeLong()	251
7.121.3.4 Clear()	252
7.121.3.5 clear_error_code()	252
7.121.3.6 clear_error_message()	252
7.121.3.7 CopyFrom()	252
7.121.3.8 default_instance()	252
7.121.3.9 descriptor()	252
7.121.3.10 error_code()	252
7.121.3.11 error_message()	253
7.121.3.12 GetCachedSize()	253
7.121.3.13 GetClassData()	253
7.121.3.14 GetDescriptor()	253
7.121.3.15 GetMetadata()	253
7.121.3.16 GetReflection()	253
7.121.3.17 internal_default_instance()	253
7.121.3.18 IsInitialized()	254
7.121.3.19 MergeFrom()	254
7.121.3.20 mutable_error_message()	254
7.121.3.21 New()	254
7.121.3.22 operator=() [1/2]	254
7.121.3.23 operator=() [2/2]	254
7.121.3.24 release_error_message()	254
7.121.3.25 set_allocated_error_message()	255
7.121.3.26 set_error_code()	255
7.121.3.27 set_error_message() [1/2]	255
7.121.3.28 set_error_message() [2/2]	255
7.121.3.29 Swap()	255

7.121.3.30 UnsafeArenaSwap()	255
7.121.4 Friends And Related Function Documentation	255
7.121.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	256
7.121.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	256
7.121.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2proto	256
7.121.4.4 swap	256
7.121.5 Member Data Documentation	256
7.121.5.1 _class_data	256
7.121.5.2 kIndexInFileMessages	256
7.122 briar::BriarErrorMessageDefaultTypeInternal Struct Reference	257
7.122.1 Constructor & Destructor Documentation	257
7.122.1.1 BriarErrorMessageDefaultTypeInternal()	257
7.122.1.2 ~BriarErrorMessageDefaultTypeInternal()	258
7.122.2 Member Data Documentation	258
7.122.2.1	258
7.122.2.2 _instance	258
7.123 briar::BriarErrors Class Reference	258
7.123.1 Member Enumeration Documentation	260
7.123.1.1 anonymous enum	260
7.123.2 Constructor & Destructor Documentation	261
7.123.2.1 BriarErrors() [1/5]	261
7.123.2.2 ~BriarErrors()	261
7.123.2.3 BriarErrors() [2/5]	261
7.123.2.4 BriarErrors() [3/5]	261
7.123.2.5 BriarErrors() [4/5]	261
7.123.2.6 BriarErrors() [5/5]	261
7.123.3 Member Function Documentation	261
7.123.3.1 _InternalParse()	262
7.123.3.2 _InternalSerialize()	262
7.123.3.3 add_errors()	262
7.123.3.4 ByteSizeLong()	262
7.123.3.5 Clear()	262
7.123.3.6 clear_errors()	262
7.123.3.7 clear_length()	262
7.123.3.8 CopyFrom()	263
7.123.3.9 default_instance()	263
7.123.3.10 descriptor()	263
7.123.3.11 errors() [1/2]	263
7.123.3.12 errors() [2/2]	263
7.123.3.13 errors_size()	263
7.123.3.14 GetCachedSize()	263
7.123.3.15 GetClassData()	264

7.123.3.16 GetDescriptor()	264
7.123.3.17 GetMetadata()	264
7.123.3.18 GetReflection()	264
7.123.3.19 internal_default_instance()	264
7.123.3.20 IsInitialized()	264
7.123.3.21 length()	264
7.123.3.22 MergeFrom()	265
7.123.3.23 mutable_errors()	265
7.123.3.24 New()	265
7.123.3.25 operator=() [1/2]	265
7.123.3.26 operator=() [2/2]	265
7.123.3.27 set_errors()	265
7.123.3.28 set_length()	265
7.123.3.29 Swap()	266
7.123.3.30 UnsafeArenaSwap()	266
7.123.4 Friends And Related Function Documentation	266
7.123.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	266
7.123.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	266
7.123.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto	266
7.123.4.4 swap	266
7.123.5 Member Data Documentation	266
7.123.5.1 _class_data_	267
7.123.5.2 kIndexInFileMessages	267
7.124 briar::BriarErrorsDefaultTypeInternal Struct Reference	267
7.124.1 Constructor & Destructor Documentation	268
7.124.1.1 BriarErrorsDefaultTypeInternal()	268
7.124.1.2 ~BriarErrorsDefaultTypeInternal()	268
7.124.2 Member Data Documentation	268
7.124.2.1	268
7.124.2.2 _instance	268
7.125 briar::BriarMatrix Class Reference	269
7.125.1 Member Enumeration Documentation	272
7.125.1.1 anonymous enum	272
7.125.2 Constructor & Destructor Documentation	273
7.125.2.1 BriarMatrix() [1/5]	273
7.125.2.2 ~BriarMatrix()	273
7.125.2.3 BriarMatrix() [2/5]	273
7.125.2.4 BriarMatrix() [3/5]	273
7.125.2.5 BriarMatrix() [4/5]	273
7.125.2.6 BriarMatrix() [5/5]	273
7.125.3 Member Function Documentation	273
7.125.3.1 _InternalParse()	274

7.125.3.2 <code>_InternalSerialize()</code>	274
7.125.3.3 <code>add_column_attributes()</code>	274
7.125.3.4 <code>add_column_headers()</code> [1/5]	274
7.125.3.5 <code>add_column_headers()</code> [2/5]	274
7.125.3.6 <code>add_column_headers()</code> [3/5]	274
7.125.3.7 <code>add_column_headers()</code> [4/5]	274
7.125.3.8 <code>add_column_headers()</code> [5/5]	275
7.125.3.9 <code>add_column_headers_integer()</code>	275
7.125.3.10 <code>add_column_sources()</code> [1/5]	275
7.125.3.11 <code>add_column_sources()</code> [2/5]	275
7.125.3.12 <code>add_column_sources()</code> [3/5]	275
7.125.3.13 <code>add_column_sources()</code> [4/5]	275
7.125.3.14 <code>add_column_sources()</code> [5/5]	275
7.125.3.15 <code>add_row_attributes()</code>	276
7.125.3.16 <code>add_row_headers()</code> [1/5]	276
7.125.3.17 <code>add_row_headers()</code> [2/5]	276
7.125.3.18 <code>add_row_headers()</code> [3/5]	276
7.125.3.19 <code>add_row_headers()</code> [4/5]	276
7.125.3.20 <code>add_row_headers()</code> [5/5]	276
7.125.3.21 <code>add_row_headers_integer()</code>	276
7.125.3.22 <code>add_row_sources()</code> [1/5]	277
7.125.3.23 <code>add_row_sources()</code> [2/5]	277
7.125.3.24 <code>add_row_sources()</code> [3/5]	277
7.125.3.25 <code>add_row_sources()</code> [4/5]	277
7.125.3.26 <code>add_row_sources()</code> [5/5]	277
7.125.3.27 <code>add_rows()</code>	277
7.125.3.28 <code>ByteSizeLong()</code>	277
7.125.3.29 <code>Clear()</code>	278
7.125.3.30 <code>clear_column_attributes()</code>	278
7.125.3.31 <code>clear_column_headers()</code>	278
7.125.3.32 <code>clear_column_headers_integer()</code>	278
7.125.3.33 <code>clear_column_sources()</code>	278
7.125.3.34 <code>clear_row_attributes()</code>	278
7.125.3.35 <code>clear_row_headers()</code>	278
7.125.3.36 <code>clear_row_headers_integer()</code>	278
7.125.3.37 <code>clear_row_sources()</code>	279
7.125.3.38 <code>clear_rows()</code>	279
7.125.3.39 <code>column_attributes()</code> [1/2]	279
7.125.3.40 <code>column_attributes()</code> [2/2]	279
7.125.3.41 <code>column_attributes_size()</code>	279
7.125.3.42 <code>column_headers()</code> [1/2]	279
7.125.3.43 <code>column_headers()</code> [2/2]	279

7.125.3.44 column_headers_integer() [1/2]	280
7.125.3.45 column_headers_integer() [2/2]	280
7.125.3.46 column_headers_integer_size()	280
7.125.3.47 column_headers_size()	280
7.125.3.48 column_sources() [1/2]	280
7.125.3.49 column_sources() [2/2]	280
7.125.3.50 column_sources_size()	280
7.125.3.51 CopyFrom()	281
7.125.3.52 default_instance()	281
7.125.3.53 descriptor()	281
7.125.3.54 GetCachedSize()	281
7.125.3.55 GetClassData()	281
7.125.3.56 GetDescriptor()	281
7.125.3.57 GetMetadata()	281
7.125.3.58 GetReflection()	282
7.125.3.59 internal_default_instance()	282
7.125.3.60 IsInitialized()	282
7.125.3.61 MergeFrom()	282
7.125.3.62 mutable_column_attributes() [1/2]	282
7.125.3.63 mutable_column_attributes() [2/2]	282
7.125.3.64 mutable_column_headers() [1/2]	282
7.125.3.65 mutable_column_headers() [2/2]	283
7.125.3.66 mutable_column_headers_integer()	283
7.125.3.67 mutable_column_sources() [1/2]	283
7.125.3.68 mutable_column_sources() [2/2]	283
7.125.3.69 mutable_row_attributes() [1/2]	283
7.125.3.70 mutable_row_attributes() [2/2]	283
7.125.3.71 mutable_row_headers() [1/2]	283
7.125.3.72 mutable_row_headers() [2/2]	284
7.125.3.73 mutable_row_headers_integer()	284
7.125.3.74 mutable_row_sources() [1/2]	284
7.125.3.75 mutable_row_sources() [2/2]	284
7.125.3.76 mutable_rows() [1/2]	284
7.125.3.77 mutable_rows() [2/2]	284
7.125.3.78 New()	284
7.125.3.79 operator=() [1/2]	285
7.125.3.80 operator=() [2/2]	285
7.125.3.81 row_attributes() [1/2]	285
7.125.3.82 row_attributes() [2/2]	285
7.125.3.83 row_attributes_size()	285
7.125.3.84 row_headers() [1/2]	285
7.125.3.85 row_headers() [2/2]	285

7.125.3.86 row_headers_integer() [1/2]	286
7.125.3.87 row_headers_integer() [2/2]	286
7.125.3.88 row_headers_integer_size()	286
7.125.3.89 row_headers_size()	286
7.125.3.90 row_sources() [1/2]	286
7.125.3.91 row_sources() [2/2]	286
7.125.3.92 row_sources_size()	286
7.125.3.93 rows() [1/2]	287
7.125.3.94 rows() [2/2]	287
7.125.3.95 rows_size()	287
7.125.3.96 set_column_headers() [1/4]	287
7.125.3.97 set_column_headers() [2/4]	287
7.125.3.98 set_column_headers() [3/4]	287
7.125.3.99 set_column_headers() [4/4]	288
7.125.3.100 set_column_headers_integer()	288
7.125.3.101 set_column_sources() [1/4]	288
7.125.3.102 set_column_sources() [2/4]	288
7.125.3.103 set_column_sources() [3/4]	288
7.125.3.104 set_column_sources() [4/4]	288
7.125.3.105 set_row_headers() [1/4]	289
7.125.3.106 set_row_headers() [2/4]	289
7.125.3.107 set_row_headers() [3/4]	289
7.125.3.108 set_row_headers() [4/4]	289
7.125.3.109 set_row_headers_integer()	289
7.125.3.110 set_row_sources() [1/4]	289
7.125.3.111 set_row_sources() [2/4]	290
7.125.3.112 set_row_sources() [3/4]	290
7.125.3.113 set_row_sources() [4/4]	290
7.125.3.114 Swap()	290
7.125.3.115 UnsafeArenaSwap()	290
7.125.4 Friends And Related Function Documentation	290
7.125.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	290
7.125.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	291
7.125.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	291
7.125.4.4 swap	291
7.125.5 Member Data Documentation	291
7.125.5.1 _class_data_	291
7.125.5.2 kIndexInFileMessages	291
7.126 briar::BriarMatrixDefaultTypeInternal Struct Reference	292
7.126.1 Constructor & Destructor Documentation	292
7.126.1.1 BriarMatrixDefaultTypeInternal()	292
7.126.1.2 ~BriarMatrixDefaultTypeInternal()	293

7.126.2 Member Data Documentation	293
7.126.2.1	293
7.126.2.2 _instance	293
7.127 briar::BriarMedia Class Reference	293
7.127.1 Member Typedef Documentation	297
7.127.1.1 DataType	297
7.127.2 Member Enumeration Documentation	297
7.127.2.1 anonymous enum	297
7.127.3 Constructor & Destructor Documentation	298
7.127.3.1 BriarMedia() [1/5]	298
7.127.3.2 ~BriarMedia()	298
7.127.3.3 BriarMedia() [2/5]	298
7.127.3.4 BriarMedia() [3/5]	299
7.127.3.5 BriarMedia() [4/5]	299
7.127.3.6 BriarMedia() [5/5]	299
7.127.4 Member Function Documentation	299
7.127.4.1 _InternalParse()	299
7.127.4.2 _InternalSerialize()	299
7.127.4.3 add_metadata()	299
7.127.4.4 ByteSizeLong()	300
7.127.4.5 channels()	300
7.127.4.6 Clear()	300
7.127.4.7 clear_channels()	300
7.127.4.8 clear_data()	300
7.127.4.9 clear_datetime()	300
7.127.4.10 clear_description()	300
7.127.4.11 clear_frame_count()	300
7.127.4.12 clear_frame_end()	301
7.127.4.13 clear_frame_number()	301
7.127.4.14 clear_frame_rate()	301
7.127.4.15 clear_frame_start()	301
7.127.4.16 clear_height()	301
7.127.4.17 clear_iscropped()	301
7.127.4.18 clear_metadata()	301
7.127.4.19 clear_segment_id()	301
7.127.4.20 clear_segment_total()	302
7.127.4.21 clear_serverside_source()	302
7.127.4.22 clear_source()	302
7.127.4.23 clear_source_type()	302
7.127.4.24 clear_type()	302
7.127.4.25 clear_width()	302
7.127.4.26 CopyFrom()	302

7.127.4.27 data()	303
7.127.4.28 DataType_descriptor()	303
7.127.4.29 DataType_IsValid()	303
7.127.4.30 DataType_Name()	303
7.127.4.31 DataType_Parse()	303
7.127.4.32 datetime()	303
7.127.4.33 default_instance()	303
7.127.4.34 description()	304
7.127.4.35 descriptor()	304
7.127.4.36 frame_count()	304
7.127.4.37 frame_end()	304
7.127.4.38 frame_number()	304
7.127.4.39 frame_rate()	304
7.127.4.40 frame_start()	304
7.127.4.41 GetCachedSize()	305
7.127.4.42 GetClassData()	305
7.127.4.43 GetDescriptor()	305
7.127.4.44 GetMetadata()	305
7.127.4.45 GetReflection()	305
7.127.4.46 height()	305
7.127.4.47 internal_default_instance()	305
7.127.4.48 iscropped()	306
7.127.4.49 IsInitialized()	306
7.127.4.50 MergeFrom()	306
7.127.4.51 metadata() [1/2]	306
7.127.4.52 metadata() [2/2]	306
7.127.4.53 metadata_size()	306
7.127.4.54 mutable_data()	306
7.127.4.55 mutable_datetime()	307
7.127.4.56 mutable_description()	307
7.127.4.57 mutable_metadata() [1/2]	307
7.127.4.58 mutable_metadata() [2/2]	307
7.127.4.59 mutable_serverside_source()	307
7.127.4.60 mutable_source()	307
7.127.4.61 New()	307
7.127.4.62 operator=() [1/2]	308
7.127.4.63 operator=() [2/2]	308
7.127.4.64 release_data()	308
7.127.4.65 release_datetime()	308
7.127.4.66 release_description()	308
7.127.4.67 release_serverside_source()	308
7.127.4.68 release_source()	308

7.127.4.69 segment_id()	309
7.127.4.70 segment_total()	309
7.127.4.71 serverside_source()	309
7.127.4.72 set_allocated_data()	309
7.127.4.73 set_allocated_datetime()	309
7.127.4.74 set_allocated_description()	309
7.127.4.75 set_allocated_serverside_source()	309
7.127.4.76 set_allocated_source()	310
7.127.4.77 set_channels()	310
7.127.4.78 set_data() [1/2]	310
7.127.4.79 set_data() [2/2]	310
7.127.4.80 set_datetime() [1/2]	310
7.127.4.81 set_datetime() [2/2]	310
7.127.4.82 set_description() [1/2]	311
7.127.4.83 set_description() [2/2]	311
7.127.4.84 set_frame_count()	311
7.127.4.85 set_frame_end()	311
7.127.4.86 set_frame_number()	311
7.127.4.87 set_frame_rate()	311
7.127.4.88 set_frame_start()	312
7.127.4.89 set_height()	312
7.127.4.90 set_iscropped()	312
7.127.4.91 set_segment_id()	312
7.127.4.92 set_segment_total()	312
7.127.4.93 set_serverside_source() [1/2]	312
7.127.4.94 set_serverside_source() [2/2]	313
7.127.4.95 set_source() [1/2]	313
7.127.4.96 set_source() [2/2]	313
7.127.4.97 set_source_type()	313
7.127.4.98 set_type()	313
7.127.4.99 set_width()	313
7.127.4.100 source()	314
7.127.4.101 source_type()	314
7.127.4.102 Swap()	314
7.127.4.103 type()	314
7.127.4.104 UnsafeArenaSwap()	314
7.127.4.105 width()	314
7.127.5 Friends And Related Function Documentation	314
7.127.5.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	314
7.127.5.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	315
7.127.5.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	315
7.127.5.4 swap	315

7.127.6 Member Data Documentation	315
7.127.6.1 <code>_class_data_</code>	315
7.127.6.2 <code>DataType_ARRAYSIZE</code>	315
7.127.6.3 <code>DataType_MAX</code>	315
7.127.6.4 <code>DataType_MIN</code>	316
7.127.6.5 <code>EPS</code>	316
7.127.6.6 <code>FLOAT32</code>	316
7.127.6.7 <code>GENERIC_IMAGE</code>	316
7.127.6.8 <code>GENERIC_VIDEO</code>	316
7.127.6.9 <code>GIF</code>	317
7.127.6.10 <code>H264</code>	317
7.127.6.11 <code>H265</code>	317
7.127.6.12 <code>JPG</code>	317
7.127.6.13 <code>kIndexInFileMessages</code>	317
7.127.6.14 <code>MJPG</code>	318
7.127.6.15 <code>MONO16</code>	318
7.127.6.16 <code>MONO8</code>	318
7.127.6.17 <code>MP4</code>	318
7.127.6.18 <code>PNG</code>	318
7.127.6.19 <code>RAW</code>	319
7.127.6.20 <code>RGB16</code>	319
7.127.6.21 <code>RGB8</code>	319
7.127.6.22 <code>RGBA16</code>	319
7.127.6.23 <code>RGBA8</code>	319
7.127.6.24 <code>SOURCE_ONLY</code>	320
7.127.6.25 <code>TIF</code>	320
7.127.6.26 <code>URL</code>	320
7.128 <code>briar::BriarMediaDefaultTypeInternal</code> Struct Reference	320
7.128.1 Constructor & Destructor Documentation	321
7.128.1.1 <code>BriarMediaDefaultTypeInternal()</code>	321
7.128.1.2 <code>~BriarMediaDefaultTypeInternal()</code>	321
7.128.2 Member Data Documentation	321
7.128.2.1	321
7.128.2.2 <code>_instance</code>	321
7.129 <code>briar::BriarPoint2D</code> Class Reference	322
7.129.1 Member Enumeration Documentation	324
7.129.1.1 <code>anonymous enum</code>	324
7.129.2 Constructor & Destructor Documentation	324
7.129.2.1 <code>BriarPoint2D() [1/5]</code>	324
7.129.2.2 <code>~BriarPoint2D()</code>	324
7.129.2.3 <code>BriarPoint2D() [2/5]</code>	324
7.129.2.4 <code>BriarPoint2D() [3/5]</code>	325

7.129.2.5 BriarPoint2D() [4/5]	325
7.129.2.6 BriarPoint2D() [5/5]	325
7.129.3 Member Function Documentation	325
7.129.3.1 _InternalParse()	325
7.129.3.2 _InternalSerialize()	325
7.129.3.3 ByteSizeLong()	325
7.129.3.4 Clear()	326
7.129.3.5 clear_x()	326
7.129.3.6 clear_y()	326
7.129.3.7 CopyFrom()	326
7.129.3.8 default_instance()	326
7.129.3.9 descriptor()	326
7.129.3.10 GetCachedSize()	326
7.129.3.11 GetClassData()	327
7.129.3.12 GetDescriptor()	327
7.129.3.13 GetMetadata()	327
7.129.3.14 GetReflection()	327
7.129.3.15 internal_default_instance()	327
7.129.3.16 IsInitialized()	327
7.129.3.17 MergeFrom()	327
7.129.3.18 New()	328
7.129.3.19 operator=() [1/2]	328
7.129.3.20 operator=() [2/2]	328
7.129.3.21 set_x()	328
7.129.3.22 set_y()	328
7.129.3.23 Swap()	328
7.129.3.24 UnsafeArenaSwap()	328
7.129.3.25 x()	329
7.129.3.26 y()	329
7.129.4 Friends And Related Function Documentation	329
7.129.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	329
7.129.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	329
7.129.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	329
7.129.4.4 swap	329
7.129.5 Member Data Documentation	329
7.129.5.1 _class_data_	330
7.129.5.2 kIndexInFileMessages	330
7.130 briar::BriarPoint2DDefaultTypeInternal Struct Reference	330
7.130.1 Constructor & Destructor Documentation	331
7.130.1.1 BriarPoint2DDefaultTypeInternal()	331
7.130.1.2 ~BriarPoint2DDefaultTypeInternal()	331
7.130.2 Member Data Documentation	331

7.130.2.1	331
7.130.2.2 _instance	331
7.131 briar::BriarProgress Class Reference	332
7.131.1 Member Enumeration Documentation	334
7.131.1.1 anonymous enum	334
7.131.2 Constructor & Destructor Documentation	334
7.131.2.1 BriarProgress() [1/5]	334
7.131.2.2 ~BriarProgress()	334
7.131.2.3 BriarProgress() [2/5]	334
7.131.2.4 BriarProgress() [3/5]	335
7.131.2.5 BriarProgress() [4/5]	335
7.131.2.6 BriarProgress() [5/5]	335
7.131.3 Member Function Documentation	335
7.131.3.1 _InternalParse()	335
7.131.3.2 _InternalSerialize()	335
7.131.3.3 ByteSizeLong()	335
7.131.3.4 Clear()	336
7.131.3.5 clear_currentstep()	336
7.131.3.6 clear_totalsteps()	336
7.131.3.7 CopyFrom()	336
7.131.3.8 currentstep()	336
7.131.3.9 default_instance()	336
7.131.3.10 descriptor()	336
7.131.3.11 GetCachedSize()	337
7.131.3.12 GetClassData()	337
7.131.3.13 GetDescriptor()	337
7.131.3.14 GetMetadata()	337
7.131.3.15 GetReflection()	337
7.131.3.16 internal_default_instance()	337
7.131.3.17 IsInitialized()	337
7.131.3.18 MergeFrom()	338
7.131.3.19 New()	338
7.131.3.20 operator=() [1/2]	338
7.131.3.21 operator=() [2/2]	338
7.131.3.22 set_currentstep()	338
7.131.3.23 set_totalsteps()	338
7.131.3.24 Swap()	338
7.131.3.25 totalsteps()	339
7.131.3.26 UnsafeArenaSwap()	339
7.131.4 Friends And Related Function Documentation	339
7.131.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	339
7.131.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	339

7.131.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	339
7.131.4.4 swap	339
7.131.5 Member Data Documentation	339
7.131.5.1 _class_data_	340
7.131.5.2 kIndexInFileMessages	340
7.132 briar::BriarProgressDefaultTypeInternal Struct Reference	340
7.132.1 Constructor & Destructor Documentation	341
7.132.1.1 BriarProgressDefaultTypeInternal()	341
7.132.1.2 ~BriarProgressDefaultTypeInternal()	341
7.132.2 Member Data Documentation	341
7.132.2.1	341
7.132.2.2 _instance	341
7.133 briar::BriarRect Class Reference	342
7.133.1 Member Enumeration Documentation	344
7.133.1.1 anonymous enum	344
7.133.2 Constructor & Destructor Documentation	344
7.133.2.1 BriarRect() [1/5]	344
7.133.2.2 ~BriarRect()	344
7.133.2.3 BriarRect() [2/5]	344
7.133.2.4 BriarRect() [3/5]	345
7.133.2.5 BriarRect() [4/5]	345
7.133.2.6 BriarRect() [5/5]	345
7.133.3 Member Function Documentation	345
7.133.3.1 _InternalParse()	345
7.133.3.2 _InternalSerialize()	345
7.133.3.3 ByteSizeLong()	345
7.133.3.4 Clear()	346
7.133.3.5 clear_height()	346
7.133.3.6 clear_width()	346
7.133.3.7 clear_x()	346
7.133.3.8 clear_y()	346
7.133.3.9 CopyFrom()	346
7.133.3.10 default_instance()	346
7.133.3.11 descriptor()	347
7.133.3.12 GetCachedSize()	347
7.133.3.13 GetClassData()	347
7.133.3.14 GetDescriptor()	347
7.133.3.15 GetMetadata()	347
7.133.3.16 GetReflection()	347
7.133.3.17 height()	347
7.133.3.18 internal_default_instance()	348
7.133.3.19 IsInitialized()	348

7.133.3.20 MergeFrom()	348
7.133.3.21 New()	348
7.133.3.22 operator=() [1/2]	348
7.133.3.23 operator=() [2/2]	348
7.133.3.24 set_height()	348
7.133.3.25 set_width()	349
7.133.3.26 set_x()	349
7.133.3.27 set_y()	349
7.133.3.28 Swap()	349
7.133.3.29 UnsafeArenaSwap()	349
7.133.3.30 width()	349
7.133.3.31 x()	349
7.133.3.32 y()	350
7.133.4 Friends And Related Function Documentation	350
7.133.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	350
7.133.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	350
7.133.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	350
7.133.4.4 swap	350
7.133.5 Member Data Documentation	350
7.133.5.1 _class_data	350
7.133.5.2 kIndexInFileMessages	351
7.134 briar::BriarRectDefaultTypeInternal Struct Reference	351
7.134.1 Constructor & Destructor Documentation	352
7.134.1.1 BriarRectDefaultTypeInternal()	352
7.134.1.2 ~BriarRectDefaultTypeInternal()	352
7.134.2 Member Data Documentation	352
7.134.2.1	352
7.134.2.2 _instance	352
7.135 briar::BriarServiceConfigurationReply Class Reference	353
7.135.1 Member Enumeration Documentation	355
7.135.1.1 anonymous enum	355
7.135.2 Constructor & Destructor Documentation	356
7.135.2.1 BriarServiceConfigurationReply() [1/5]	356
7.135.2.2 ~BriarServiceConfigurationReply()	356
7.135.2.3 BriarServiceConfigurationReply() [2/5]	356
7.135.2.4 BriarServiceConfigurationReply() [3/5]	356
7.135.2.5 BriarServiceConfigurationReply() [4/5]	356
7.135.2.6 BriarServiceConfigurationReply() [5/5]	356
7.135.3 Member Function Documentation	356
7.135.3.1 _InternalParse()	357
7.135.3.2 _InternalSerialize()	357
7.135.3.3 add_port_list() [1/5]	357

7.135.3.4 add_port_list() [2/5]	357
7.135.3.5 add_port_list() [3/5]	357
7.135.3.6 add_port_list() [4/5]	357
7.135.3.7 add_port_list() [5/5]	357
7.135.3.8 base_port()	358
7.135.3.9 ByteSizeLong()	358
7.135.3.10 Clear()	358
7.135.3.11 clear_base_port()	358
7.135.3.12 clear_number_of_processes_per_port()	358
7.135.3.13 clear_number_of_service_ports()	358
7.135.3.14 clear_number_of_threads_per_process()	358
7.135.3.15 clear_port_list()	358
7.135.3.16 clear_reporting_process_number()	359
7.135.3.17 CopyFrom()	359
7.135.3.18 default_instance()	359
7.135.3.19 descriptor()	359
7.135.3.20 GetCachedSize()	359
7.135.3.21 GetClassData()	359
7.135.3.22 GetDescriptor()	359
7.135.3.23 GetMetadata()	360
7.135.3.24 GetReflection()	360
7.135.3.25 internal_default_instance()	360
7.135.3.26 IsInitialized()	360
7.135.3.27 MergeFrom()	360
7.135.3.28 mutable_base_port()	360
7.135.3.29 mutable_port_list() [1/2]	360
7.135.3.30 mutable_port_list() [2/2]	361
7.135.3.31 New()	361
7.135.3.32 number_of_processes_per_port()	361
7.135.3.33 number_of_service_ports()	361
7.135.3.34 number_of_threads_per_process()	361
7.135.3.35 operator=() [1/2]	361
7.135.3.36 operator=() [2/2]	361
7.135.3.37 port_list() [1/2]	362
7.135.3.38 port_list() [2/2]	362
7.135.3.39 port_list_size()	362
7.135.3.40 release_base_port()	362
7.135.3.41 reporting_process_number()	362
7.135.3.42 set_allocated_base_port()	362
7.135.3.43 set_base_port() [1/2]	362
7.135.3.44 set_base_port() [2/2]	363
7.135.3.45 set_number_of_processes_per_port()	363

7.135.3.46 set_number_of_service_ports()	363
7.135.3.47 set_number_of_threads_per_process()	363
7.135.3.48 set_port_list() [1/4]	363
7.135.3.49 set_port_list() [2/4]	363
7.135.3.50 set_port_list() [3/4]	364
7.135.3.51 set_port_list() [4/4]	364
7.135.3.52 set_reporting_process_number()	364
7.135.3.53 Swap()	364
7.135.3.54 UnsafeArenaSwap()	364
7.135.4 Friends And Related Function Documentation	364
7.135.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	364
7.135.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	365
7.135.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	365
7.135.4.4 swap	365
7.135.5 Member Data Documentation	365
7.135.5.1 _class_data_	365
7.135.5.2 kIndexInFileMessages	365
7.136 briar::BriarServiceConfigurationReplyDefaultTypeInternal Struct Reference	366
7.136.1 Constructor & Destructor Documentation	366
7.136.1.1 BriarServiceConfigurationReplyDefaultTypeInternal()	366
7.136.1.2 ~BriarServiceConfigurationReplyDefaultTypeInternal()	367
7.136.2 Member Data Documentation	367
7.136.2.1	367
7.136.2.2 _instance	367
7.137 briar::BriarServiceConfigurationRequest Class Reference	367
7.137.1 Constructor & Destructor Documentation	369
7.137.1.1 BriarServiceConfigurationRequest() [1/5]	369
7.137.1.2 BriarServiceConfigurationRequest() [2/5]	369
7.137.1.3 BriarServiceConfigurationRequest() [3/5]	369
7.137.1.4 BriarServiceConfigurationRequest() [4/5]	369
7.137.1.5 BriarServiceConfigurationRequest() [5/5]	370
7.137.2 Member Function Documentation	370
7.137.2.1 CopyFrom()	370
7.137.2.2 default_instance()	370
7.137.2.3 descriptor()	370
7.137.2.4 GetClassData()	370
7.137.2.5 GetDescriptor()	370
7.137.2.6 GetMetadata()	371
7.137.2.7 GetReflection()	371
7.137.2.8 internal_default_instance()	371
7.137.2.9 MergeFrom()	371
7.137.2.10 New()	371

7.137.2.11 operator=() [1/2]	371
7.137.2.12 operator=() [2/2]	371
7.137.2.13 Swap()	372
7.137.2.14 UnsafeArenaSwap()	372
7.137.3 Friends And Related Function Documentation	372
7.137.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	372
7.137.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	372
7.137.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	372
7.137.3.4 swap	372
7.137.4 Member Data Documentation	372
7.137.4.1 _class_data_	373
7.137.4.2 kIndexInFileMessages	373
7.138 briar::BriarServiceConfigurationRequestDefaultTypeInternal Struct Reference	373
7.138.1 Constructor & Destructor Documentation	374
7.138.1.1 BriarServiceConfigurationRequestDefaultTypeInternal()	374
7.138.1.2 ~BriarServiceConfigurationRequestDefaultTypeInternal()	374
7.138.2 Member Data Documentation	374
7.138.2.1	374
7.138.2.2 _instance	374
7.139 briar::BriarVector Class Reference	375
7.139.1 Member Enumeration Documentation	377
7.139.1.1 anonymous enum	377
7.139.2 Constructor & Destructor Documentation	377
7.139.2.1 BriarVector() [1/5]	377
7.139.2.2 ~BriarVector()	377
7.139.2.3 BriarVector() [2/5]	377
7.139.2.4 BriarVector() [3/5]	378
7.139.2.5 BriarVector() [4/5]	378
7.139.2.6 BriarVector() [5/5]	378
7.139.3 Member Function Documentation	378
7.139.3.1 _InternalParse()	378
7.139.3.2 _InternalSerialize()	378
7.139.3.3 add_data()	378
7.139.3.4 ByteSizeLong()	379
7.139.3.5 Clear()	379
7.139.3.6 clear_data()	379
7.139.3.7 CopyFrom()	379
7.139.3.8 data() [1/2]	379
7.139.3.9 data() [2/2]	379
7.139.3.10 data_size()	379
7.139.3.11 default_instance()	380
7.139.3.12 descriptor()	380

7.139.3.13 GetCachedSize()	380
7.139.3.14 GetClassData()	380
7.139.3.15 GetDescriptor()	380
7.139.3.16 GetMetadata()	380
7.139.3.17 GetReflection()	380
7.139.3.18 internal_default_instance()	381
7.139.3.19 IsInitialized()	381
7.139.3.20 MergeFrom()	381
7.139.3.21 mutable_data()	381
7.139.3.22 New()	381
7.139.3.23 operator=() [1/2]	381
7.139.3.24 operator=() [2/2]	381
7.139.3.25 set_data()	382
7.139.3.26 Swap()	382
7.139.3.27 UnsafeArenaSwap()	382
7.139.4 Friends And Related Function Documentation	382
7.139.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	382
7.139.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	382
7.139.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	382
7.139.4.4 swap	383
7.139.5 Member Data Documentation	383
7.139.5.1 _class_data_	383
7.139.5.2 kIndexInFileMessages	383
7.140 briar::BriarVectorDefaultTypeInternal Struct Reference	383
7.140.1 Constructor & Destructor Documentation	384
7.140.1.1 BriarVectorDefaultTypeInternal()	384
7.140.1.2 ~BriarVectorDefaultTypeInternal()	384
7.140.2 Member Data Documentation	384
7.140.2.1	384
7.140.2.2 _instance	384
7.141 briar::ClusterConfidence Class Reference	385
7.141.1 Member Enumeration Documentation	387
7.141.1.1 anonymous enum	387
7.141.2 Constructor & Destructor Documentation	387
7.141.2.1 ClusterConfidence() [1/5]	387
7.141.2.2 ~ClusterConfidence()	387
7.141.2.3 ClusterConfidence() [2/5]	387
7.141.2.4 ClusterConfidence() [3/5]	387
7.141.2.5 ClusterConfidence() [4/5]	388
7.141.2.6 ClusterConfidence() [5/5]	388
7.141.3 Member Function Documentation	388
7.141.3.1 _InternalParse()	388

7.141.3.2 <code>_InternalSerialize()</code>	388
7.141.3.3 <code>ByteSizeLong()</code>	388
7.141.3.4 <code>Clear()</code>	388
7.141.3.5 <code>clear_confidences()</code>	389
7.141.3.6 <code>confidences()</code>	389
7.141.3.7 <code>CopyFrom()</code>	389
7.141.3.8 <code>default_instance()</code>	389
7.141.3.9 <code>descriptor()</code>	389
7.141.3.10 <code>GetCachedSize()</code>	389
7.141.3.11 <code>GetClassData()</code>	389
7.141.3.12 <code>GetDescriptor()</code>	390
7.141.3.13 <code>GetMetadata()</code>	390
7.141.3.14 <code>GetReflection()</code>	390
7.141.3.15 <code>internal_default_instance()</code>	390
7.141.3.16 <code>IsInitialized()</code>	390
7.141.3.17 <code>MergeFrom()</code>	390
7.141.3.18 <code>New()</code>	390
7.141.3.19 <code>operator=() [1/2]</code>	391
7.141.3.20 <code>operator=() [2/2]</code>	391
7.141.3.21 <code>set_confidences()</code>	391
7.141.3.22 <code>Swap()</code>	391
7.141.3.23 <code>UnsafeArenaSwap()</code>	391
7.141.4 Friends And Related Function Documentation	391
7.141.4.1 <code>::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper</code>	391
7.141.4.2 <code>::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata</code>	392
7.141.4.3 <code>::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto</code>	392
7.141.4.4 <code>swap</code>	392
7.141.5 Member Data Documentation	392
7.141.5.1 <code>_class_data_</code>	392
7.141.5.2 <code>kIndexInFileMessages</code>	392
7.142 briar::ClusterConfidenceDefaultTypeInternal Struct Reference	393
7.142.1 Constructor & Destructor Documentation	393
7.142.1.1 <code>ClusterConfidenceDefaultTypeInternal()</code>	393
7.142.1.2 <code>~ClusterConfidenceDefaultTypeInternal()</code>	394
7.142.2 Member Data Documentation	394
7.142.2.1	394
7.142.2.2 <code>_instance</code>	394
7.143 briar::ClusterIds Class Reference	394
7.143.1 Member Enumeration Documentation	396
7.143.1.1 <code>anonymous enum</code>	396
7.143.2 Constructor & Destructor Documentation	397
7.143.2.1 <code>ClusterIds() [1/5]</code>	397

7.143.2.2 ~ClusterIds()	397
7.143.2.3 ClusterIds() [2/5]	397
7.143.2.4 ClusterIds() [3/5]	397
7.143.2.5 ClusterIds() [4/5]	397
7.143.2.6 ClusterIds() [5/5]	397
7.143.3 Member Function Documentation	398
7.143.3.1 _InternalParse()	398
7.143.3.2 _InternalSerialize()	398
7.143.3.3 add_ids() [1/5]	398
7.143.3.4 add_ids() [2/5]	398
7.143.3.5 add_ids() [3/5]	398
7.143.3.6 add_ids() [4/5]	398
7.143.3.7 add_ids() [5/5]	399
7.143.3.8 ByteSizeLong()	399
7.143.3.9 Clear()	399
7.143.3.10 clear_ids()	399
7.143.3.11 CopyFrom()	399
7.143.3.12 default_instance()	399
7.143.3.13 descriptor()	399
7.143.3.14 GetCachedSize()	400
7.143.3.15 GetClassData()	400
7.143.3.16 GetDescriptor()	400
7.143.3.17 GetMetadata()	400
7.143.3.18 GetReflection()	400
7.143.3.19 ids() [1/2]	400
7.143.3.20 ids() [2/2]	400
7.143.3.21 ids_size()	401
7.143.3.22 internal_default_instance()	401
7.143.3.23 IsInitialized()	401
7.143.3.24 MergeFrom()	401
7.143.3.25 mutable_ids() [1/2]	401
7.143.3.26 mutable_ids() [2/2]	401
7.143.3.27 New()	401
7.143.3.28 operator=() [1/2]	402
7.143.3.29 operator=() [2/2]	402
7.143.3.30 set_ids() [1/4]	402
7.143.3.31 set_ids() [2/4]	402
7.143.3.32 set_ids() [3/4]	402
7.143.3.33 set_ids() [4/4]	402
7.143.3.34 Swap()	403
7.143.3.35 UnsafeArenaSwap()	403
7.143.4 Friends And Related Function Documentation	403

7.143.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	403
7.143.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	403
7.143.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	403
7.143.4.4 swap	403
7.143.5 Member Data Documentation	403
7.143.5.1 _class_data_	404
7.143.5.2 kIndexInFileMessages	404
7.144 briar::ClusterIdsDefaultTypeInternal Struct Reference	404
7.144.1 Constructor & Destructor Documentation	405
7.144.1.1 ClusterIdsDefaultTypeInternal()	405
7.144.1.2 ~ClusterIdsDefaultTypeInternal()	405
7.144.2 Member Data Documentation	405
7.144.2.1	405
7.144.2.2 _instance	405
7.145 briar::ClusterReply Class Reference	406
7.145.1 Member Enumeration Documentation	408
7.145.1.1 anonymous enum	408
7.145.2 Constructor & Destructor Documentation	409
7.145.2.1 ClusterReply() [1/5]	409
7.145.2.2 ~ClusterReply()	409
7.145.2.3 ClusterReply() [2/5]	409
7.145.2.4 ClusterReply() [3/5]	409
7.145.2.5 ClusterReply() [4/5]	409
7.145.2.6 ClusterReply() [5/5]	409
7.145.3 Member Function Documentation	409
7.145.3.1 _InternalParse()	410
7.145.3.2 _InternalSerialize()	410
7.145.3.3 add_cluster_confidences()	410
7.145.3.4 add_cluster_ids()	410
7.145.3.5 ByteSizeLong()	410
7.145.3.6 Clear()	410
7.145.3.7 clear_cluster_confidences()	410
7.145.3.8 clear_cluster_ids()	411
7.145.3.9 clear_durations()	411
7.145.3.10 clear_errors()	411
7.145.3.11 clear_progress()	411
7.145.3.12 cluster_confidences() [1/2]	411
7.145.3.13 cluster_confidences() [2/2]	411
7.145.3.14 cluster_confidences_size()	411
7.145.3.15 cluster_ids() [1/2]	412
7.145.3.16 cluster_ids() [2/2]	412
7.145.3.17 cluster_ids_size()	412

7.145.3.18 CopyFrom()	412
7.145.3.19 default_instance()	412
7.145.3.20 descriptor()	412
7.145.3.21 durations()	412
7.145.3.22 errors()	413
7.145.3.23 GetCachedSize()	413
7.145.3.24 GetClassData()	413
7.145.3.25 GetDescriptor()	413
7.145.3.26 GetMetadata()	413
7.145.3.27 GetReflection()	413
7.145.3.28 has_durations()	413
7.145.3.29 has_errors()	414
7.145.3.30 has_progress()	414
7.145.3.31 internal_default_instance()	414
7.145.3.32 IsInitialized()	414
7.145.3.33 MergeFrom()	414
7.145.3.34 mutable_cluster_confidences() [1/2]	414
7.145.3.35 mutable_cluster_confidences() [2/2]	414
7.145.3.36 mutable_cluster_ids() [1/2]	415
7.145.3.37 mutable_cluster_ids() [2/2]	415
7.145.3.38 mutable_durations()	415
7.145.3.39 mutable_errors()	415
7.145.3.40 mutable_progress()	415
7.145.3.41 New()	415
7.145.3.42 operator=() [1/2]	415
7.145.3.43 operator=() [2/2]	416
7.145.3.44 progress()	416
7.145.3.45 release_durations()	416
7.145.3.46 release_errors()	416
7.145.3.47 release_progress()	416
7.145.3.48 set_allocated_durations()	416
7.145.3.49 set_allocated_errors()	416
7.145.3.50 set_allocated_progress()	417
7.145.3.51 Swap()	417
7.145.3.52 unsafe_arena_release_durations()	417
7.145.3.53 unsafe_arena_release_errors()	417
7.145.3.54 unsafe_arena_release_progress()	417
7.145.3.55 unsafe_arena_set_allocated_durations()	417
7.145.3.56 unsafe_arena_set_allocated_errors()	417
7.145.3.57 unsafe_arena_set_allocated_progress()	418
7.145.3.58 UnsafeArenaSwap()	418
7.145.4 Friends And Related Function Documentation	418

7.145.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	418
7.145.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	418
7.145.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	418
7.145.4.4 swap	418
7.145.5 Member Data Documentation	418
7.145.5.1 _class_data_	419
7.145.5.2 kIndexInFileMessages	419
7.146 briar::ClusterReplyDefaultTypeInternal Struct Reference	419
7.146.1 Constructor & Destructor Documentation	420
7.146.1.1 ClusterReplyDefaultTypeInternal()	420
7.146.1.2 ~ClusterReplyDefaultTypeInternal()	420
7.146.2 Member Data Documentation	420
7.146.2.1	420
7.146.2.2 _instance	420
7.147 briar::ClusterRequest Class Reference	421
7.147.1 Member Enumeration Documentation	423
7.147.1.1 anonymous enum	423
7.147.2 Constructor & Destructor Documentation	423
7.147.2.1 ClusterRequest() [1/5]	423
7.147.2.2 ~ClusterRequest()	423
7.147.2.3 ClusterRequest() [2/5]	423
7.147.2.4 ClusterRequest() [3/5]	424
7.147.2.5 ClusterRequest() [4/5]	424
7.147.2.6 ClusterRequest() [5/5]	424
7.147.3 Member Function Documentation	424
7.147.3.1 _InternalParse()	424
7.147.3.2 _InternalSerialize()	424
7.147.3.3 ByteSizeLong()	424
7.147.3.4 Clear()	425
7.147.3.5 clear_database()	425
7.147.3.6 clear_durations()	425
7.147.3.7 CopyFrom()	425
7.147.3.8 database()	425
7.147.3.9 default_instance()	425
7.147.3.10 descriptor()	425
7.147.3.11 durations()	426
7.147.3.12 GetCachedSize()	426
7.147.3.13 GetClassData()	426
7.147.3.14 GetDescriptor()	426
7.147.3.15 GetMetadata()	426
7.147.3.16 GetReflection()	426
7.147.3.17 has_database()	426

7.147.3.18 has_durations()	427
7.147.3.19 internal_default_instance()	427
7.147.3.20 IsInitialized()	427
7.147.3.21 MergeFrom()	427
7.147.3.22 mutable_database()	427
7.147.3.23 mutable_durations()	427
7.147.3.24 New()	427
7.147.3.25 operator=() [1/2]	428
7.147.3.26 operator=() [2/2]	428
7.147.3.27 release_database()	428
7.147.3.28 release_durations()	428
7.147.3.29 set_allocated_database()	428
7.147.3.30 set_allocated_durations()	428
7.147.3.31 Swap()	428
7.147.3.32 unsafe_arena_release_database()	429
7.147.3.33 unsafe_arena_release_durations()	429
7.147.3.34 unsafe_arena_set_allocated_database()	429
7.147.3.35 unsafe_arena_set_allocated_durations()	429
7.147.3.36 UnsafeArenaSwap()	429
7.147.4 Friends And Related Function Documentation	429
7.147.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	429
7.147.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	429
7.147.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	430
7.147.4.4 swap	430
7.147.5 Member Data Documentation	430
7.147.5.1 _class_data_	430
7.147.5.2 kIndexInFileMessages	430
7.148 briar::ClusterRequestDefaultTypeInternal Struct Reference	431
7.148.1 Constructor & Destructor Documentation	431
7.148.1.1 ClusterRequestDefaultTypeInternal()	431
7.148.1.2 ~ClusterRequestDefaultTypeInternal()	432
7.148.2 Member Data Documentation	432
7.148.2.1	432
7.148.2.2 _instance	432
7.149 briar::DatabaseCheckpointReply Class Reference	432
7.149.1 Member Enumeration Documentation	434
7.149.1.1 anonymous enum	434
7.149.2 Constructor & Destructor Documentation	435
7.149.2.1 DatabaseCheckpointReply() [1/5]	435
7.149.2.2 ~DatabaseCheckpointReply()	435
7.149.2.3 DatabaseCheckpointReply() [2/5]	435
7.149.2.4 DatabaseCheckpointReply() [3/5]	435

7.149.2.5 DatabaseCheckpointReply() [4/5]	435
7.149.2.6 DatabaseCheckpointReply() [5/5]	436
7.149.3 Member Function Documentation	436
7.149.3.1 _InternalParse()	436
7.149.3.2 _InternalSerialize()	436
7.149.3.3 ByteSizeLong()	436
7.149.3.4 Clear()	436
7.149.3.5 clear_durations()	436
7.149.3.6 clear_errors()	437
7.149.3.7 clear_exists()	437
7.149.3.8 CopyFrom()	437
7.149.3.9 default_instance()	437
7.149.3.10 descriptor()	437
7.149.3.11 durations()	437
7.149.3.12 errors()	437
7.149.3.13 exists()	438
7.149.3.14 GetCachedSize()	438
7.149.3.15 GetClassData()	438
7.149.3.16 GetDescriptor()	438
7.149.3.17 GetMetadata()	438
7.149.3.18 GetReflection()	438
7.149.3.19 has_durations()	438
7.149.3.20 has_errors()	439
7.149.3.21 internal_default_instance()	439
7.149.3.22 IsInitialized()	439
7.149.3.23 MergeFrom()	439
7.149.3.24 mutable_durations()	439
7.149.3.25 mutable_errors()	439
7.149.3.26 New()	439
7.149.3.27 operator=() [1/2]	440
7.149.3.28 operator=() [2/2]	440
7.149.3.29 release_durations()	440
7.149.3.30 release_errors()	440
7.149.3.31 set_allocated_durations()	440
7.149.3.32 set_allocated_errors()	440
7.149.3.33 set_exists()	440
7.149.3.34 Swap()	441
7.149.3.35 unsafe_arena_release_durations()	441
7.149.3.36 unsafe_arena_release_errors()	441
7.149.3.37 unsafe_arena_set_allocated_durations()	441
7.149.3.38 unsafe_arena_set_allocated_errors()	441
7.149.3.39 UnsafeArenaSwap()	441

7.149.4 Friends And Related Function Documentation	441
7.149.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	442
7.149.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	442
7.149.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	442
7.149.4.4 swap	442
7.149.5 Member Data Documentation	442
7.149.5.1 _class_data_	442
7.149.5.2 kIndexInFileMessages	442
7.150 briar::DatabaseCheckpointReplyDefaultTypeInternal Struct Reference	443
7.150.1 Constructor & Destructor Documentation	443
7.150.1.1 DatabaseCheckpointReplyDefaultTypeInternal()	443
7.150.1.2 ~DatabaseCheckpointReplyDefaultTypeInternal()	444
7.150.2 Member Data Documentation	444
7.150.2.1	444
7.150.2.2 _instance	444
7.151 briar::DatabaseCheckpointRequest Class Reference	444
7.151.1 Member Enumeration Documentation	447
7.151.1.1 anonymous enum	447
7.151.2 Constructor & Destructor Documentation	448
7.151.2.1 DatabaseCheckpointRequest() [1/5]	448
7.151.2.2 ~DatabaseCheckpointRequest()	448
7.151.2.3 DatabaseCheckpointRequest() [2/5]	448
7.151.2.4 DatabaseCheckpointRequest() [3/5]	448
7.151.2.5 DatabaseCheckpointRequest() [4/5]	448
7.151.2.6 DatabaseCheckpointRequest() [5/5]	449
7.151.3 Member Function Documentation	449
7.151.3.1 _InternalParse()	449
7.151.3.2 _InternalSerialize()	449
7.151.3.3 ByteSizeLong()	449
7.151.3.4 Clear()	449
7.151.3.5 clear_database()	449
7.151.3.6 clear_durations()	450
7.151.3.7 clear_errors()	450
7.151.3.8 CopyFrom()	450
7.151.3.9 database()	450
7.151.3.10 default_instance()	450
7.151.3.11 descriptor()	450
7.151.3.12 durations()	450
7.151.3.13 errors()	451
7.151.3.14 GetCachedSize()	451
7.151.3.15 GetClassData()	451
7.151.3.16 GetDescriptor()	451

7.151.3.17 GetMetadata()	451
7.151.3.18 GetReflection()	451
7.151.3.19 has_database()	451
7.151.3.20 has_durations()	452
7.151.3.21 has_errors()	452
7.151.3.22 internal_default_instance()	452
7.151.3.23 IsInitialized()	452
7.151.3.24 MergeFrom()	452
7.151.3.25 mutable_database()	452
7.151.3.26 mutable_durations()	452
7.151.3.27 mutable_errors()	453
7.151.3.28 New()	453
7.151.3.29 operator=() [1/2]	453
7.151.3.30 operator=() [2/2]	453
7.151.3.31 release_database()	453
7.151.3.32 release_durations()	453
7.151.3.33 release_errors()	453
7.151.3.34 set_allocated_database()	454
7.151.3.35 set_allocated_durations()	454
7.151.3.36 set_allocated_errors()	454
7.151.3.37 Swap()	454
7.151.3.38 unsafe_arena_release_database()	454
7.151.3.39 unsafe_arena_release_durations()	454
7.151.3.40 unsafe_arena_release_errors()	454
7.151.3.41 unsafe_arena_set_allocated_database()	455
7.151.3.42 unsafe_arena_set_allocated_durations()	455
7.151.3.43 unsafe_arena_set_allocated_errors()	455
7.151.3.44 UnsafeArenaSwap()	455
7.151.4 Friends And Related Function Documentation	455
7.151.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	455
7.151.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	455
7.151.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	456
7.151.4.4 swap	456
7.151.5 Member Data Documentation	456
7.151.5.1 _class_data_	456
7.151.5.2 kIndexInFileMessages	456
7.152 briar::DatabaseCheckpointRequestDefaultTypeInternal Struct Reference	457
7.152.1 Constructor & Destructor Documentation	457
7.152.1.1 DatabaseCheckpointRequestDefaultTypeInternal()	457
7.152.1.2 ~DatabaseCheckpointRequestDefaultTypeInternal()	458
7.152.2 Member Data Documentation	458
7.152.2.1	458

7.152.2.2 _instance	458
7.153 briar::DatabaseCheckpointSubjectRequest Class Reference	458
7.153.1 Member Enumeration Documentation	461
7.153.1.1 anonymous enum	461
7.153.2 Constructor & Destructor Documentation	461
7.153.2.1 DatabaseCheckpointSubjectRequest() [1/5]	461
7.153.2.2 ~DatabaseCheckpointSubjectRequest()	461
7.153.2.3 DatabaseCheckpointSubjectRequest() [2/5]	461
7.153.2.4 DatabaseCheckpointSubjectRequest() [3/5]	462
7.153.2.5 DatabaseCheckpointSubjectRequest() [4/5]	462
7.153.2.6 DatabaseCheckpointSubjectRequest() [5/5]	462
7.153.3 Member Function Documentation	462
7.153.3.1 _InternalParse()	462
7.153.3.2 _InternalSerialize()	462
7.153.3.3 ByteSizeLong()	462
7.153.3.4 Clear()	463
7.153.3.5 clear_database()	463
7.153.3.6 clear_durations()	463
7.153.3.7 clear_errors()	463
7.153.3.8 clear_subject_id()	463
7.153.3.9 CopyFrom()	463
7.153.3.10 database()	463
7.153.3.11 default_instance()	464
7.153.3.12 descriptor()	464
7.153.3.13 durations()	464
7.153.3.14 errors()	464
7.153.3.15 GetCachedSize()	464
7.153.3.16 GetClassData()	464
7.153.3.17 GetDescriptor()	464
7.153.3.18 GetMetadata()	465
7.153.3.19 GetReflection()	465
7.153.3.20 has_database()	465
7.153.3.21 has_durations()	465
7.153.3.22 has_errors()	465
7.153.3.23 internal_default_instance()	465
7.153.3.24 IsInitialized()	465
7.153.3.25 MergeFrom()	466
7.153.3.26 mutable_database()	466
7.153.3.27 mutable_durations()	466
7.153.3.28 mutable_errors()	466
7.153.3.29 mutable_subject_id()	466
7.153.3.30 New()	466

7.153.3.31 operator=() [1/2]	466
7.153.3.32 operator=() [2/2]	467
7.153.3.33 release_database()	467
7.153.3.34 release_durations()	467
7.153.3.35 release_errors()	467
7.153.3.36 release_subject_id()	467
7.153.3.37 set_allocated_database()	467
7.153.3.38 set_allocated_durations()	467
7.153.3.39 set_allocated_errors()	468
7.153.3.40 set_allocated_subject_id()	468
7.153.3.41 set_subject_id() [1/2]	468
7.153.3.42 set_subject_id() [2/2]	468
7.153.3.43 subject_id()	468
7.153.3.44 Swap()	468
7.153.3.45 unsafe_arena_release_database()	469
7.153.3.46 unsafe_arena_release_durations()	469
7.153.3.47 unsafe_arena_release_errors()	469
7.153.3.48 unsafe_arena_set_allocated_database()	469
7.153.3.49 unsafe_arena_set_allocated_durations()	469
7.153.3.50 unsafe_arena_set_allocated_errors()	469
7.153.3.51 UnsafeArenaSwap()	469
7.153.4 Friends And Related Function Documentation	470
7.153.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	470
7.153.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	470
7.153.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	470
7.153.4.4 swap	470
7.153.5 Member Data Documentation	470
7.153.5.1 _class_data_	470
7.153.5.2 kIndexInFileMessages	471
7.154 briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal Struct Reference	471
7.154.1 Constructor & Destructor Documentation	472
7.154.1.1 DatabaseCheckpointSubjectRequestDefaultTypeInternal()	472
7.154.1.2 ~DatabaseCheckpointSubjectRequestDefaultTypeInternal()	472
7.154.2 Member Data Documentation	472
7.154.2.1	472
7.154.2.2 _instance	472
7.155 briar::DatabaseCreateReply Class Reference	473
7.155.1 Member Enumeration Documentation	475
7.155.1.1 anonymous enum	475
7.155.2 Constructor & Destructor Documentation	475
7.155.2.1 DatabaseCreateReply() [1/5]	475
7.155.2.2 ~DatabaseCreateReply()	475

7.155.2.3 DatabaseCreateReply() [2/5]	476
7.155.2.4 DatabaseCreateReply() [3/5]	476
7.155.2.5 DatabaseCreateReply() [4/5]	476
7.155.2.6 DatabaseCreateReply() [5/5]	476
7.155.3 Member Function Documentation	476
7.155.3.1 _InternalParse()	476
7.155.3.2 _InternalSerialize()	476
7.155.3.3 ByteSizeLong()	477
7.155.3.4 Clear()	477
7.155.3.5 clear_durations()	477
7.155.3.6 clear_errors()	477
7.155.3.7 clear_ids()	477
7.155.3.8 CopyFrom()	477
7.155.3.9 default_instance()	477
7.155.3.10 descriptor()	478
7.155.3.11 durations()	478
7.155.3.12 errors()	478
7.155.3.13 GetCachedSize()	478
7.155.3.14 GetClassData()	478
7.155.3.15 GetDescriptor()	478
7.155.3.16 GetMetadata()	478
7.155.3.17 GetReflection()	479
7.155.3.18 has_durations()	479
7.155.3.19 has_errors()	479
7.155.3.20 has_ids()	479
7.155.3.21 ids()	479
7.155.3.22 internal_default_instance()	479
7.155.3.23 IsInitialized()	479
7.155.3.24 MergeFrom()	480
7.155.3.25 mutable_durations()	480
7.155.3.26 mutable_errors()	480
7.155.3.27 mutable_ids()	480
7.155.3.28 New()	480
7.155.3.29 operator=() [1/2]	480
7.155.3.30 operator=() [2/2]	480
7.155.3.31 release_durations()	481
7.155.3.32 release_errors()	481
7.155.3.33 release_ids()	481
7.155.3.34 set_allocated_durations()	481
7.155.3.35 set_allocated_errors()	481
7.155.3.36 set_allocated_ids()	481
7.155.3.37 Swap()	481

7.155.3.38 unsafe_arena_release_durations()	482
7.155.3.39 unsafe_arena_release_errors()	482
7.155.3.40 unsafe_arena_release_ids()	482
7.155.3.41 unsafe_arena_set_allocated_durations()	482
7.155.3.42 unsafe_arena_set_allocated_errors()	482
7.155.3.43 unsafe_arena_set_allocated_ids()	482
7.155.3.44 UnsafeArenaSwap()	482
7.155.4 Friends And Related Function Documentation	483
7.155.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	483
7.155.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	483
7.155.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	483
7.155.4.4 swap	483
7.155.5 Member Data Documentation	483
7.155.5.1 _class_data_	483
7.155.5.2 kIndexInFileMessages	484
7.156 briar::DatabaseCreateReplyDefaultTypeInternal Struct Reference	484
7.156.1 Constructor & Destructor Documentation	485
7.156.1.1 DatabaseCreateReplyDefaultTypeInternal()	485
7.156.1.2 ~DatabaseCreateReplyDefaultTypeInternal()	485
7.156.2 Member Data Documentation	485
7.156.2.1	485
7.156.2.2 _instance	485
7.157 briar::DatabaseCreateRequest Class Reference	486
7.157.1 Member Enumeration Documentation	488
7.157.1.1 anonymous enum	488
7.157.2 Constructor & Destructor Documentation	488
7.157.2.1 DatabaseCreateRequest() [1/5]	488
7.157.2.2 ~DatabaseCreateRequest()	488
7.157.2.3 DatabaseCreateRequest() [2/5]	489
7.157.2.4 DatabaseCreateRequest() [3/5]	489
7.157.2.5 DatabaseCreateRequest() [4/5]	489
7.157.2.6 DatabaseCreateRequest() [5/5]	489
7.157.3 Member Function Documentation	489
7.157.3.1 _InternalParse()	489
7.157.3.2 _InternalSerialize()	489
7.157.3.3 ByteSizeLong()	490
7.157.3.4 Clear()	490
7.157.3.5 clear_database()	490
7.157.3.6 clear_durations()	490
7.157.3.7 clear_tmpls()	490
7.157.3.8 CopyFrom()	490
7.157.3.9 database()	490

7.157.3.10 default_instance()	491
7.157.3.11 descriptor()	491
7.157.3.12 durations()	491
7.157.3.13 GetCachedSize()	491
7.157.3.14 GetClassData()	491
7.157.3.15 GetDescriptor()	491
7.157.3.16 GetMetadata()	491
7.157.3.17 GetReflection()	492
7.157.3.18 has_database()	492
7.157.3.19 has_durations()	492
7.157.3.20 has_tmpls()	492
7.157.3.21 internal_default_instance()	492
7.157.3.22 IsInitialized()	492
7.157.3.23 MergeFrom()	492
7.157.3.24 mutable_database()	493
7.157.3.25 mutable_durations()	493
7.157.3.26 mutable_tmpls()	493
7.157.3.27 New()	493
7.157.3.28 operator=() [1/2]	493
7.157.3.29 operator=() [2/2]	493
7.157.3.30 release_database()	493
7.157.3.31 release_durations()	494
7.157.3.32 release_tmpls()	494
7.157.3.33 set_allocated_database()	494
7.157.3.34 set_allocated_durations()	494
7.157.3.35 set_allocated_tmpls()	494
7.157.3.36 Swap()	494
7.157.3.37 tmpls()	494
7.157.3.38 unsafe_arena_release_database()	495
7.157.3.39 unsafe_arena_release_durations()	495
7.157.3.40 unsafe_arena_release_tmpls()	495
7.157.3.41 unsafe_arena_set_allocated_database()	495
7.157.3.42 unsafe_arena_set_allocated_durations()	495
7.157.3.43 unsafe_arena_set_allocated_tmpls()	495
7.157.3.44 UnsafeArenaSwap()	495
7.157.4 Friends And Related Function Documentation	496
7.157.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	496
7.157.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	496
7.157.4.3 ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eproto	496
7.157.4.4 swap	496
7.157.5 Member Data Documentation	496
7.157.5.1 _class_data_	496

7.157.5.2 kIndexInFileMessages	497
7.158 briar::DatabaseCreateRequestDefaultTypeInternal Struct Reference	497
7.158.1 Constructor & Destructor Documentation	498
7.158.1.1 DatabaseCreateRequestDefaultTypeInternal()	498
7.158.1.2 ~DatabaseCreateRequestDefaultTypeInternal()	498
7.158.2 Member Data Documentation	498
7.158.2.1	498
7.158.2.2 _instance	498
7.159 briar::DatabaseDeleteReply Class Reference	499
7.159.1 Member Enumeration Documentation	501
7.159.1.1 anonymous enum	501
7.159.2 Constructor & Destructor Documentation	501
7.159.2.1 DatabaseDeleteReply() [1/5]	501
7.159.2.2 ~DatabaseDeleteReply()	501
7.159.2.3 DatabaseDeleteReply() [2/5]	502
7.159.2.4 DatabaseDeleteReply() [3/5]	502
7.159.2.5 DatabaseDeleteReply() [4/5]	502
7.159.2.6 DatabaseDeleteReply() [5/5]	502
7.159.3 Member Function Documentation	502
7.159.3.1 _InternalParse()	502
7.159.3.2 _InternalSerialize()	502
7.159.3.3 ByteSizeLong()	503
7.159.3.4 Clear()	503
7.159.3.5 clear_durations()	503
7.159.3.6 clear_entry_count()	503
7.159.3.7 clear_errors()	503
7.159.3.8 clear_exists()	503
7.159.3.9 CopyFrom()	503
7.159.3.10 default_instance()	504
7.159.3.11 descriptor()	504
7.159.3.12 durations()	504
7.159.3.13 entry_count()	504
7.159.3.14 errors()	504
7.159.3.15 exists()	504
7.159.3.16 GetCachedSize()	504
7.159.3.17 GetClassData()	505
7.159.3.18 GetDescriptor()	505
7.159.3.19 GetMetadata()	505
7.159.3.20 GetReflection()	505
7.159.3.21 has_durations()	505
7.159.3.22 has_errors()	505
7.159.3.23 internal_default_instance()	505

7.159.3.24 IsInitialized()	506
7.159.3.25 MergeFrom()	506
7.159.3.26 mutable_durations()	506
7.159.3.27 mutable_errors()	506
7.159.3.28 New()	506
7.159.3.29 operator=() [1/2]	506
7.159.3.30 operator=() [2/2]	506
7.159.3.31 release_durations()	507
7.159.3.32 release_errors()	507
7.159.3.33 set_allocated_durations()	507
7.159.3.34 set_allocated_errors()	507
7.159.3.35 set_entry_count()	507
7.159.3.36 set_exists()	507
7.159.3.37 Swap()	507
7.159.3.38 unsafe_arena_release_durations()	508
7.159.3.39 unsafe_arena_release_errors()	508
7.159.3.40 unsafe_arena_set_allocated_durations()	508
7.159.3.41 unsafe_arena_set_allocated_errors()	508
7.159.3.42 UnsafeArenaSwap()	508
7.159.4 Friends And Related Function Documentation	508
7.159.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	508
7.159.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	508
7.159.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	509
7.159.4.4 swap	509
7.159.5 Member Data Documentation	509
7.159.5.1 _class_data_	509
7.159.5.2 kIndexInFileMessages	509
7.160 briar::DatabaseDeleteReplyDefaultTypeInternal Struct Reference	510
7.160.1 Constructor & Destructor Documentation	510
7.160.1.1 DatabaseDeleteReplyDefaultTypeInternal()	510
7.160.1.2 ~DatabaseDeleteReplyDefaultTypeInternal()	511
7.160.2 Member Data Documentation	511
7.160.2.1	511
7.160.2.2 _instance	511
7.161 briar::DatabaseDeleteRequest Class Reference	511
7.161.1 Member Enumeration Documentation	513
7.161.1.1 anonymous enum	513
7.161.2 Constructor & Destructor Documentation	514
7.161.2.1 DatabaseDeleteRequest() [1/5]	514
7.161.2.2 ~DatabaseDeleteRequest()	514
7.161.2.3 DatabaseDeleteRequest() [2/5]	514
7.161.2.4 DatabaseDeleteRequest() [3/5]	514

7.161.2.5 DatabaseDeleteRequest() [4/5]	514
7.161.2.6 DatabaseDeleteRequest() [5/5]	515
7.161.3 Member Function Documentation	515
7.161.3.1 _InternalParse()	515
7.161.3.2 _InternalSerialize()	515
7.161.3.3 ByteSizeLong()	515
7.161.3.4 Clear()	515
7.161.3.5 clear_database()	515
7.161.3.6 clear_durations()	516
7.161.3.7 CopyFrom()	516
7.161.3.8 database()	516
7.161.3.9 default_instance()	516
7.161.3.10 descriptor()	516
7.161.3.11 durations()	516
7.161.3.12 GetCachedSize()	516
7.161.3.13 GetClassData()	517
7.161.3.14 GetDescriptor()	517
7.161.3.15 GetMetadata()	517
7.161.3.16 GetReflection()	517
7.161.3.17 has_database()	517
7.161.3.18 has_durations()	517
7.161.3.19 internal_default_instance()	517
7.161.3.20 IsInitialized()	518
7.161.3.21 MergeFrom()	518
7.161.3.22 mutable_database()	518
7.161.3.23 mutable_durations()	518
7.161.3.24 New()	518
7.161.3.25 operator=() [1/2]	518
7.161.3.26 operator=() [2/2]	518
7.161.3.27 release_database()	519
7.161.3.28 release_durations()	519
7.161.3.29 set_allocated_database()	519
7.161.3.30 set_allocated_durations()	519
7.161.3.31 Swap()	519
7.161.3.32 unsafe_arena_release_database()	519
7.161.3.33 unsafe_arena_release_durations()	519
7.161.3.34 unsafe_arena_set_allocated_database()	520
7.161.3.35 unsafe_arena_set_allocated_durations()	520
7.161.3.36 UnsafeArenaSwap()	520
7.161.4 Friends And Related Function Documentation	520
7.161.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	520
7.161.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	520

7.161.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	520
7.161.4.4 swap	520
7.161.5 Member Data Documentation	521
7.161.5.1 _class_data_	521
7.161.5.2 kIndexInFileMessages	521
7.162 briar::DatabaseDeleteRequestDefaultTypeInternal Struct Reference	521
7.162.1 Constructor & Destructor Documentation	522
7.162.1.1 DatabaseDeleteRequestDefaultTypeInternal()	522
7.162.1.2 ~DatabaseDeleteRequestDefaultTypeInternal()	522
7.162.2 Member Data Documentation	522
7.162.2.1	522
7.162.2.2 _instance	522
7.163 briar::DatabaseFinalizeReply Class Reference	523
7.163.1 Member Enumeration Documentation	525
7.163.1.1 anonymous enum	525
7.163.2 Constructor & Destructor Documentation	525
7.163.2.1 DatabaseFinalizeReply() [1/5]	525
7.163.2.2 ~DatabaseFinalizeReply()	525
7.163.2.3 DatabaseFinalizeReply() [2/5]	526
7.163.2.4 DatabaseFinalizeReply() [3/5]	526
7.163.2.5 DatabaseFinalizeReply() [4/5]	526
7.163.2.6 DatabaseFinalizeReply() [5/5]	526
7.163.3 Member Function Documentation	526
7.163.3.1 _InternalParse()	526
7.163.3.2 _InternalSerialize()	526
7.163.3.3 ByteSizeLong()	527
7.163.3.4 Clear()	527
7.163.3.5 clear_durations()	527
7.163.3.6 clear_errors()	527
7.163.3.7 clear_exists()	527
7.163.3.8 CopyFrom()	527
7.163.3.9 default_instance()	527
7.163.3.10 descriptor()	528
7.163.3.11 durations()	528
7.163.3.12 errors()	528
7.163.3.13 exists()	528
7.163.3.14 GetCachedSize()	528
7.163.3.15 GetClassData()	528
7.163.3.16 GetDescriptor()	528
7.163.3.17 GetMetadata()	529
7.163.3.18 GetReflection()	529
7.163.3.19 has_durations()	529

7.163.3.20 has_errors()	529
7.163.3.21 internal_default_instance()	529
7.163.3.22 IsInitialized()	529
7.163.3.23 MergeFrom()	529
7.163.3.24 mutable_durations()	530
7.163.3.25 mutable_errors()	530
7.163.3.26 New()	530
7.163.3.27 operator=() [1/2]	530
7.163.3.28 operator=() [2/2]	530
7.163.3.29 release_durations()	530
7.163.3.30 release_errors()	530
7.163.3.31 set_allocated_durations()	531
7.163.3.32 set_allocated_errors()	531
7.163.3.33 set_exists()	531
7.163.3.34 Swap()	531
7.163.3.35 unsafe_arena_release_durations()	531
7.163.3.36 unsafe_arena_release_errors()	531
7.163.3.37 unsafe_arena_set_allocated_durations()	531
7.163.3.38 unsafe_arena_set_allocated_errors()	532
7.163.3.39 UnsafeArenaSwap()	532
7.163.4 Friends And Related Function Documentation	532
7.163.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	532
7.163.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	532
7.163.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	532
7.163.4.4 swap	532
7.163.5 Member Data Documentation	532
7.163.5.1 _class_data_	533
7.163.5.2 kIndexInFileMessages	533
7.164 briar::DatabaseFinalizeReplyDefaultTypeInternal Struct Reference	533
7.164.1 Constructor & Destructor Documentation	534
7.164.1.1 DatabaseFinalizeReplyDefaultTypeInternal()	534
7.164.1.2 ~DatabaseFinalizeReplyDefaultTypeInternal()	534
7.164.2 Member Data Documentation	534
7.164.2.1	534
7.164.2.2 _instance	534
7.165 briar::DatabaseFinalizeRequest Class Reference	535
7.165.1 Member Enumeration Documentation	537
7.165.1.1 anonymous enum	537
7.165.2 Constructor & Destructor Documentation	537
7.165.2.1 DatabaseFinalizeRequest() [1/5]	537
7.165.2.2 ~DatabaseFinalizeRequest()	537
7.165.2.3 DatabaseFinalizeRequest() [2/5]	537

7.165.2.4 DatabaseFinalizeRequest() [3/5]	538
7.165.2.5 DatabaseFinalizeRequest() [4/5]	538
7.165.2.6 DatabaseFinalizeRequest() [5/5]	538
7.165.3 Member Function Documentation	538
7.165.3.1 _InternalParse()	538
7.165.3.2 _InternalSerialize()	538
7.165.3.3 ByteSizeLong()	538
7.165.3.4 Clear()	539
7.165.3.5 clear_database()	539
7.165.3.6 CopyFrom()	539
7.165.3.7 database()	539
7.165.3.8 default_instance()	539
7.165.3.9 descriptor()	539
7.165.3.10 GetCachedSize()	539
7.165.3.11 GetClassData()	540
7.165.3.12 GetDescriptor()	540
7.165.3.13 GetMetadata()	540
7.165.3.14 GetReflection()	540
7.165.3.15 has_database()	540
7.165.3.16 internal_default_instance()	540
7.165.3.17 IsInitialized()	540
7.165.3.18 MergeFrom()	541
7.165.3.19 mutable_database()	541
7.165.3.20 New()	541
7.165.3.21 operator=() [1/2]	541
7.165.3.22 operator=() [2/2]	541
7.165.3.23 release_database()	541
7.165.3.24 set_allocated_database()	541
7.165.3.25 Swap()	542
7.165.3.26 unsafe_arena_release_database()	542
7.165.3.27 unsafe_arena_set_allocated_database()	542
7.165.3.28 UnsafeArenaSwap()	542
7.165.4 Friends And Related Function Documentation	542
7.165.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	542
7.165.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	542
7.165.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	542
7.165.4.4 swap	543
7.165.5 Member Data Documentation	543
7.165.5.1 _class_data	543
7.165.5.2 kIndexInFileMessages	543
7.166 briar::DatabaseFinalizeRequestDefaultTypeInternal Struct Reference	544
7.166.1 Constructor & Destructor Documentation	544

7.166.1.1 DatabaseFinalizeRequestDefaultTypeInternal()	544
7.166.1.2 ~DatabaseFinalizeRequestDefaultTypeInternal()	545
7.166.2 Member Data Documentation	545
7.166.2.1	545
7.166.2.2 _instance	545
7.167 briar::DatabaseHasEntryReply Class Reference	545
7.167.1 Member Enumeration Documentation	547
7.167.1.1 anonymous enum	547
7.167.2 Constructor & Destructor Documentation	548
7.167.2.1 DatabaseHasEntryReply() [1/5]	548
7.167.2.2 ~DatabaseHasEntryReply()	548
7.167.2.3 DatabaseHasEntryReply() [2/5]	548
7.167.2.4 DatabaseHasEntryReply() [3/5]	548
7.167.2.5 DatabaseHasEntryReply() [4/5]	548
7.167.2.6 DatabaseHasEntryReply() [5/5]	549
7.167.3 Member Function Documentation	549
7.167.3.1 _InternalParse()	549
7.167.3.2 _InternalSerialize()	549
7.167.3.3 ByteSizeLong()	549
7.167.3.4 Clear()	549
7.167.3.5 clear_exists()	549
7.167.3.6 clear_is_complete()	550
7.167.3.7 clear_progress()	550
7.167.3.8 CopyFrom()	550
7.167.3.9 default_instance()	550
7.167.3.10 descriptor()	550
7.167.3.11 exists()	550
7.167.3.12 GetCachedSize()	550
7.167.3.13 GetClassData()	551
7.167.3.14 GetDescriptor()	551
7.167.3.15 GetMetadata()	551
7.167.3.16 GetReflection()	551
7.167.3.17 has_progress()	551
7.167.3.18 internal_default_instance()	551
7.167.3.19 is_complete()	551
7.167.3.20 IsInitialized()	552
7.167.3.21 MergeFrom()	552
7.167.3.22 mutable_progress()	552
7.167.3.23 New()	552
7.167.3.24 operator=() [1/2]	552
7.167.3.25 operator=() [2/2]	552
7.167.3.26 progress()	552

7.167.3.27 release_progress()	553
7.167.3.28 set_allocated_progress()	553
7.167.3.29 set_exists()	553
7.167.3.30 set_is_complete()	553
7.167.3.31 Swap()	553
7.167.3.32 unsafe_arena_release_progress()	553
7.167.3.33 unsafe_arena_set_allocated_progress()	553
7.167.3.34 UnsafeArenaSwap()	554
7.167.4 Friends And Related Function Documentation	554
7.167.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	554
7.167.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	554
7.167.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	554
7.167.4.4 swap	554
7.167.5 Member Data Documentation	554
7.167.5.1 _class_data_	554
7.167.5.2 kIndexInFileMessages	555
7.168 briar::DatabaseHasEntryReplyDefaultTypeInternal Struct Reference	555
7.168.1 Constructor & Destructor Documentation	556
7.168.1.1 DatabaseHasEntryReplyDefaultTypeInternal()	556
7.168.1.2 ~DatabaseHasEntryReplyDefaultTypeInternal()	556
7.168.2 Member Data Documentation	556
7.168.2.1	556
7.168.2.2 _instance	556
7.169 briar::DatabaseHasEntryRequest Class Reference	557
7.169.1 Member Enumeration Documentation	559
7.169.1.1 anonymous enum	559
7.169.2 Constructor & Destructor Documentation	559
7.169.2.1 DatabaseHasEntryRequest() [1/5]	559
7.169.2.2 ~DatabaseHasEntryRequest()	559
7.169.2.3 DatabaseHasEntryRequest() [2/5]	560
7.169.2.4 DatabaseHasEntryRequest() [3/5]	560
7.169.2.5 DatabaseHasEntryRequest() [4/5]	560
7.169.2.6 DatabaseHasEntryRequest() [5/5]	560
7.169.3 Member Function Documentation	560
7.169.3.1 _InternalParse()	560
7.169.3.2 _InternalSerialize()	560
7.169.3.3 ByteSizeLong()	561
7.169.3.4 Clear()	561
7.169.3.5 clear_database()	561
7.169.3.6 clear_entry_id()	561
7.169.3.7 CopyFrom()	561
7.169.3.8 database()	561

7.169.3.9 default_instance()	561
7.169.3.10 descriptor()	562
7.169.3.11 entry_id()	562
7.169.3.12 GetCachedSize()	562
7.169.3.13 GetClassData()	562
7.169.3.14 GetDescriptor()	562
7.169.3.15 GetMetadata()	562
7.169.3.16 GetReflection()	562
7.169.3.17 has_database()	563
7.169.3.18 internal_default_instance()	563
7.169.3.19 IsInitialized()	563
7.169.3.20 MergeFrom()	563
7.169.3.21 mutable_database()	563
7.169.3.22 mutable_entry_id()	563
7.169.3.23 New()	563
7.169.3.24 operator=() [1/2]	564
7.169.3.25 operator=() [2/2]	564
7.169.3.26 release_database()	564
7.169.3.27 release_entry_id()	564
7.169.3.28 set_allocated_database()	564
7.169.3.29 set_allocated_entry_id()	564
7.169.3.30 set_entry_id() [1/2]	564
7.169.3.31 set_entry_id() [2/2]	565
7.169.3.32 Swap()	565
7.169.3.33 unsafe_arena_release_database()	565
7.169.3.34 unsafe_arena_set_allocated_database()	565
7.169.3.35 UnsafeArenaSwap()	565
7.169.4 Friends And Related Function Documentation	565
7.169.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	565
7.169.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	566
7.169.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	566
7.169.4.4 swap	566
7.169.5 Member Data Documentation	566
7.169.5.1 _class_data	566
7.169.5.2 kIndexInFileMessages	566
7.170 briar::DatabaseHasEntryRequestDefaultTypeInternal Struct Reference	567
7.170.1 Constructor & Destructor Documentation	567
7.170.1.1 DatabaseHasEntryRequestDefaultTypeInternal()	567
7.170.1.2 ~DatabaseHasEntryRequestDefaultTypeInternal()	568
7.170.2 Member Data Documentation	568
7.170.2.1	568
7.170.2.2 _instance	568

7.171 briar::DatabaseInfoReply Class Reference	568
7.171.1 Member Enumeration Documentation	570
7.171.1.1 anonymous enum	570
7.171.2 Constructor & Destructor Documentation	571
7.171.2.1 DatabaseInfoReply() [1/5]	571
7.171.2.2 ~DatabaseInfoReply()	571
7.171.2.3 DatabaseInfoReply() [2/5]	571
7.171.2.4 DatabaseInfoReply() [3/5]	571
7.171.2.5 DatabaseInfoReply() [4/5]	571
7.171.2.6 DatabaseInfoReply() [5/5]	572
7.171.3 Member Function Documentation	572
7.171.3.1 _InternalParse()	572
7.171.3.2 _InternalSerialize()	572
7.171.3.3 ByteSizeLong()	572
7.171.3.4 Clear()	572
7.171.3.5 clear_duration()	572
7.171.3.6 clear_exists()	573
7.171.3.7 clear_info()	573
7.171.3.8 CopyFrom()	573
7.171.3.9 default_instance()	573
7.171.3.10 descriptor()	573
7.171.3.11 duration()	573
7.171.3.12 exists()	573
7.171.3.13 GetCachedSize()	574
7.171.3.14 GetClassData()	574
7.171.3.15 GetDescriptor()	574
7.171.3.16 GetMetadata()	574
7.171.3.17 GetReflection()	574
7.171.3.18 has_duration()	574
7.171.3.19 has_info()	574
7.171.3.20 info()	575
7.171.3.21 internal_default_instance()	575
7.171.3.22 IsInitialized()	575
7.171.3.23 MergeFrom()	575
7.171.3.24 mutable_duration()	575
7.171.3.25 mutable_info()	575
7.171.3.26 New()	575
7.171.3.27 operator=() [1/2]	576
7.171.3.28 operator=() [2/2]	576
7.171.3.29 release_duration()	576
7.171.3.30 release_info()	576
7.171.3.31 set_allocated_duration()	576

7.171.3.32 set_allocated_info()	576
7.171.3.33 set_exists()	576
7.171.3.34 Swap()	577
7.171.3.35 unsafe_arena_release_duration()	577
7.171.3.36 unsafe_arena_release_info()	577
7.171.3.37 unsafe_arena_set_allocated_duration()	577
7.171.3.38 unsafe_arena_set_allocated_info()	577
7.171.3.39 UnsafeArenaSwap()	577
7.171.4 Friends And Related Function Documentation	577
7.171.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	578
7.171.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	578
7.171.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	578
7.171.4.4 swap	578
7.171.5 Member Data Documentation	578
7.171.5.1 _class_data_	578
7.171.5.2 kIndexInFileMessages	578
7.172 briar::DatabaseInfoReplyDefaultTypeInternal Struct Reference	579
7.172.1 Constructor & Destructor Documentation	579
7.172.1.1 DatabaseInfoReplyDefaultTypeInternal()	579
7.172.1.2 ~DatabaseInfoReplyDefaultTypeInternal()	580
7.172.2 Member Data Documentation	580
7.172.2.1	580
7.172.2.2 _instance	580
7.173 briar::DatabaseInfoRequest Class Reference	580
7.173.1 Member Enumeration Documentation	582
7.173.1.1 anonymous enum	582
7.173.2 Constructor & Destructor Documentation	583
7.173.2.1 DatabaseInfoRequest() [1/5]	583
7.173.2.2 ~DatabaseInfoRequest()	583
7.173.2.3 DatabaseInfoRequest() [2/5]	583
7.173.2.4 DatabaseInfoRequest() [3/5]	583
7.173.2.5 DatabaseInfoRequest() [4/5]	583
7.173.2.6 DatabaseInfoRequest() [5/5]	584
7.173.3 Member Function Documentation	584
7.173.3.1 _InternalParse()	584
7.173.3.2 _InternalSerialize()	584
7.173.3.3 ByteSizeLong()	584
7.173.3.4 Clear()	584
7.173.3.5 clear_database_name()	584
7.173.3.6 clear_durations()	585
7.173.3.7 CopyFrom()	585
7.173.3.8 database_name()	585

7.173.3.9 default_instance()	585
7.173.3.10 descriptor()	585
7.173.3.11 durations()	585
7.173.3.12 GetCachedSize()	585
7.173.3.13 GetClassData()	586
7.173.3.14 GetDescriptor()	586
7.173.3.15 GetMetadata()	586
7.173.3.16 GetReflection()	586
7.173.3.17 has_durations()	586
7.173.3.18 internal_default_instance()	586
7.173.3.19 IsInitialized()	586
7.173.3.20 MergeFrom()	587
7.173.3.21 mutable_database_name()	587
7.173.3.22 mutable_durations()	587
7.173.3.23 New()	587
7.173.3.24 operator=() [1/2]	587
7.173.3.25 operator=() [2/2]	587
7.173.3.26 release_database_name()	587
7.173.3.27 release_durations()	588
7.173.3.28 set_allocated_database_name()	588
7.173.3.29 set_allocated_durations()	588
7.173.3.30 set_database_name() [1/2]	588
7.173.3.31 set_database_name() [2/2]	588
7.173.3.32 Swap()	588
7.173.3.33 unsafe_arena_release_durations()	589
7.173.3.34 unsafe_arena_set_allocated_durations()	589
7.173.3.35 UnsafeArenaSwap()	589
7.173.4 Friends And Related Function Documentation	589
7.173.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	589
7.173.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	589
7.173.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	589
7.173.4.4 swap	589
7.173.5 Member Data Documentation	590
7.173.5.1 _class_data	590
7.173.5.2 kIndexInFileMessages	590
7.174 briar::DatabaseInfoRequestDefaultTypeInternal Struct Reference	590
7.174.1 Constructor & Destructor Documentation	591
7.174.1.1 DatabaseInfoRequestDefaultTypeInternal()	591
7.174.1.2 ~DatabaseInfoRequestDefaultTypeInternal()	591
7.174.2 Member Data Documentation	591
7.174.2.1	591
7.174.2.2 _instance	591

7.175 briar::DatabaseInsertReply Class Reference	592
7.175.1 Member Enumeration Documentation	594
7.175.1.1 anonymous enum	594
7.175.2 Constructor & Destructor Documentation	594
7.175.2.1 DatabaseInsertReply() [1/5]	595
7.175.2.2 ~DatabaseInsertReply()	595
7.175.2.3 DatabaseInsertReply() [2/5]	595
7.175.2.4 DatabaseInsertReply() [3/5]	595
7.175.2.5 DatabaseInsertReply() [4/5]	595
7.175.2.6 DatabaseInsertReply() [5/5]	595
7.175.3 Member Function Documentation	595
7.175.3.1 _InternalParse()	596
7.175.3.2 _InternalSerialize()	596
7.175.3.3 ByteSizeLong()	596
7.175.3.4 Clear()	596
7.175.3.5 clear_durations()	596
7.175.3.6 clear_errors()	596
7.175.3.7 clear_exists()	596
7.175.3.8 clear_ids()	597
7.175.3.9 CopyFrom()	597
7.175.3.10 default_instance()	597
7.175.3.11 descriptor()	597
7.175.3.12 durations()	597
7.175.3.13 errors()	597
7.175.3.14 exists()	597
7.175.3.15 GetCachedSize()	598
7.175.3.16 GetClassData()	598
7.175.3.17 GetDescriptor()	598
7.175.3.18 GetMetadata()	598
7.175.3.19 GetReflection()	598
7.175.3.20 has_durations()	598
7.175.3.21 has_errors()	598
7.175.3.22 has_ids()	599
7.175.3.23 ids()	599
7.175.3.24 internal_default_instance()	599
7.175.3.25 IsInitialized()	599
7.175.3.26 MergeFrom()	599
7.175.3.27 mutable_durations()	599
7.175.3.28 mutable_errors()	599
7.175.3.29 mutable_ids()	600
7.175.3.30 New()	600
7.175.3.31 operator=() [1/2]	600

7.175.3.32 operator=() [2/2]	600
7.175.3.33 release_durations()	600
7.175.3.34 release_errors()	600
7.175.3.35 release_ids()	600
7.175.3.36 set_allocated_durations()	601
7.175.3.37 set_allocated_errors()	601
7.175.3.38 set_allocated_ids()	601
7.175.3.39 set_exists()	601
7.175.3.40 Swap()	601
7.175.3.41 unsafe_arena_release_durations()	601
7.175.3.42 unsafe_arena_release_errors()	601
7.175.3.43 unsafe_arena_release_ids()	602
7.175.3.44 unsafe_arena_set_allocated_durations()	602
7.175.3.45 unsafe_arena_set_allocated_errors()	602
7.175.3.46 unsafe_arena_set_allocated_ids()	602
7.175.3.47 UnsafeArenaSwap()	602
7.175.4 Friends And Related Function Documentation	602
7.175.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	602
7.175.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	603
7.175.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	603
7.175.4.4 swap	603
7.175.5 Member Data Documentation	603
7.175.5.1 _class_data_	603
7.175.5.2 kIndexInFileMessages	603
7.176 briar::DatabaseInsertReplyDefaultTypeInternal Struct Reference	604
7.176.1 Constructor & Destructor Documentation	604
7.176.1.1 DatabaseInsertReplyDefaultTypeInternal()	604
7.176.1.2 ~DatabaseInsertReplyDefaultTypeInternal()	605
7.176.2 Member Data Documentation	605
7.176.2.1	605
7.176.2.2 _instance	605
7.177 briar::DatabaseInsertRequest Class Reference	605
7.177.1 Member Enumeration Documentation	608
7.177.1.1 anonymous enum	608
7.177.2 Constructor & Destructor Documentation	608
7.177.2.1 DatabaseInsertRequest() [1/5]	608
7.177.2.2 ~DatabaseInsertRequest()	608
7.177.2.3 DatabaseInsertRequest() [2/5]	608
7.177.2.4 DatabaseInsertRequest() [3/5]	609
7.177.2.5 DatabaseInsertRequest() [4/5]	609
7.177.2.6 DatabaseInsertRequest() [5/5]	609
7.177.3 Member Function Documentation	609

7.177.3.1 <code>_InternalParse()</code>	609
7.177.3.2 <code>_InternalSerialize()</code>	609
7.177.3.3 <code>ByteSizeLong()</code>	609
7.177.3.4 <code>Clear()</code>	610
7.177.3.5 <code>clear_database()</code>	610
7.177.3.6 <code>clear_durations()</code>	610
7.177.3.7 <code>clear_ids()</code>	610
7.177.3.8 <code>clear_tmpls()</code>	610
7.177.3.9 <code>CopyFrom()</code>	610
7.177.3.10 <code>database()</code>	610
7.177.3.11 <code>default_instance()</code>	611
7.177.3.12 <code>descriptor()</code>	611
7.177.3.13 <code>durations()</code>	611
7.177.3.14 <code>GetCachedSize()</code>	611
7.177.3.15 <code>GetClassData()</code>	611
7.177.3.16 <code>GetDescriptor()</code>	611
7.177.3.17 <code>GetMetadata()</code>	611
7.177.3.18 <code>GetReflection()</code>	612
7.177.3.19 <code>has_database()</code>	612
7.177.3.20 <code>has_durations()</code>	612
7.177.3.21 <code>has_ids()</code>	612
7.177.3.22 <code>has_tmpls()</code>	612
7.177.3.23 <code>ids()</code>	612
7.177.3.24 <code>internal_default_instance()</code>	612
7.177.3.25 <code>IsInitialized()</code>	613
7.177.3.26 <code>MergeFrom()</code>	613
7.177.3.27 <code>mutable_database()</code>	613
7.177.3.28 <code>mutable_durations()</code>	613
7.177.3.29 <code>mutable_ids()</code>	613
7.177.3.30 <code>mutable_tmpls()</code>	613
7.177.3.31 <code>New()</code>	613
7.177.3.32 <code>operator=() [1/2]</code>	614
7.177.3.33 <code>operator=() [2/2]</code>	614
7.177.3.34 <code>release_database()</code>	614
7.177.3.35 <code>release_durations()</code>	614
7.177.3.36 <code>release_ids()</code>	614
7.177.3.37 <code>release_tmpls()</code>	614
7.177.3.38 <code>set_allocated_database()</code>	614
7.177.3.39 <code>set_allocated_durations()</code>	615
7.177.3.40 <code>set_allocated_ids()</code>	615
7.177.3.41 <code>set_allocated_tmpls()</code>	615
7.177.3.42 <code>Swap()</code>	615

7.177.3.43 <code>tmpls()</code>	615
7.177.3.44 <code>unsafe_arena_release_database()</code>	615
7.177.3.45 <code>unsafe_arena_release_durations()</code>	615
7.177.3.46 <code>unsafe_arena_release_ids()</code>	616
7.177.3.47 <code>unsafe_arena_release_tmpls()</code>	616
7.177.3.48 <code>unsafe_arena_set_allocated_database()</code>	616
7.177.3.49 <code>unsafe_arena_set_allocated_durations()</code>	616
7.177.3.50 <code>unsafe_arena_set_allocated_ids()</code>	616
7.177.3.51 <code>unsafe_arena_set_allocated_tmpls()</code>	616
7.177.3.52 <code>UnsafeArenaSwap()</code>	616
7.177.4 Friends And Related Function Documentation	617
7.177.4.1 <code>::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper</code>	617
7.177.4.2 <code>::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata</code>	617
7.177.4.3 <code>::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto</code>	617
7.177.4.4 <code>swap</code>	617
7.177.5 Member Data Documentation	617
7.177.5.1 <code>_class_data_</code>	617
7.177.5.2 <code>kIndexInFileMessages</code>	618
7.178 <code>briar::DatabaseInsertRequestDefaultTypeInternal</code> Struct Reference	618
7.178.1 Constructor & Destructor Documentation	619
7.178.1.1 <code>DatabaseInsertRequestDefaultTypeInternal()</code>	619
7.178.1.2 <code>~DatabaseInsertRequestDefaultTypeInternal()</code>	619
7.178.2 Member Data Documentation	619
7.178.2.1	619
7.178.2.2 <code>_instance</code>	619
7.179 <code>briar::DatabaseListentriesReply</code> Class Reference	620
7.179.1 Member Enumeration Documentation	622
7.179.1.1 <code>anonymous enum</code>	622
7.179.2 Constructor & Destructor Documentation	622
7.179.2.1 <code>DatabaseListentriesReply() [1/5]</code>	623
7.179.2.2 <code>~DatabaseListentriesReply()</code>	623
7.179.2.3 <code>DatabaseListentriesReply() [2/5]</code>	623
7.179.2.4 <code>DatabaseListentriesReply() [3/5]</code>	623
7.179.2.5 <code>DatabaseListentriesReply() [4/5]</code>	623
7.179.2.6 <code>DatabaseListentriesReply() [5/5]</code>	623
7.179.3 Member Function Documentation	623
7.179.3.1 <code>_InternalParse()</code>	624
7.179.3.2 <code>_InternalSerialize()</code>	624
7.179.3.3 <code>add_entry_attributes()</code>	624
7.179.3.4 <code>add_entry_ids() [1/5]</code>	624
7.179.3.5 <code>add_entry_ids() [2/5]</code>	624
7.179.3.6 <code>add_entry_ids() [3/5]</code>	624

7.179.3.7 add_entry_ids() [4/5]	624
7.179.3.8 add_entry_ids() [5/5]	625
7.179.3.9 ByteSizeLong()	625
7.179.3.10 Clear()	625
7.179.3.11 clear_durations()	625
7.179.3.12 clear_entry_attributes()	625
7.179.3.13 clear_entry_ids()	625
7.179.3.14 clear_exists()	625
7.179.3.15 CopyFrom()	626
7.179.3.16 default_instance()	626
7.179.3.17 descriptor()	626
7.179.3.18 durations()	626
7.179.3.19 entry_attributes() [1/2]	626
7.179.3.20 entry_attributes() [2/2]	626
7.179.3.21 entry_attributes_size()	626
7.179.3.22 entry_ids() [1/2]	627
7.179.3.23 entry_ids() [2/2]	627
7.179.3.24 entry_ids_size()	627
7.179.3.25 exists()	627
7.179.3.26 GetCachedSize()	627
7.179.3.27 GetClassData()	627
7.179.3.28 GetDescriptor()	627
7.179.3.29 GetMetadata()	628
7.179.3.30 GetReflection()	628
7.179.3.31 has_durations()	628
7.179.3.32 internal_default_instance()	628
7.179.3.33 IsInitialized()	628
7.179.3.34 MergeFrom()	628
7.179.3.35 mutable_durations()	628
7.179.3.36 mutable_entry_attributes() [1/2]	629
7.179.3.37 mutable_entry_attributes() [2/2]	629
7.179.3.38 mutable_entry_ids() [1/2]	629
7.179.3.39 mutable_entry_ids() [2/2]	629
7.179.3.40 New()	629
7.179.3.41 operator=() [1/2]	629
7.179.3.42 operator=() [2/2]	629
7.179.3.43 release_durations()	630
7.179.3.44 set_allocated_durations()	630
7.179.3.45 set_entry_ids() [1/4]	630
7.179.3.46 set_entry_ids() [2/4]	630
7.179.3.47 set_entry_ids() [3/4]	630
7.179.3.48 set_entry_ids() [4/4]	630

7.179.3.49 set_exists()	631
7.179.3.50 Swap()	631
7.179.3.51 unsafe_arena_release_durations()	631
7.179.3.52 unsafe_arena_set_allocated_durations()	631
7.179.3.53 UnsafeArenaSwap()	631
7.179.4 Friends And Related Function Documentation	631
7.179.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	631
7.179.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	632
7.179.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	632
7.179.4.4 swap	632
7.179.5 Member Data Documentation	632
7.179.5.1 _class_data_	632
7.179.5.2 kIndexInFileMessages	632
7.180 briar::DatabaseListentriesReplyDefaultTypeInternal Struct Reference	633
7.180.1 Constructor & Destructor Documentation	633
7.180.1.1 DatabaseListentriesReplyDefaultTypeInternal()	633
7.180.1.2 ~DatabaseListentriesReplyDefaultTypeInternal()	634
7.180.2 Member Data Documentation	634
7.180.2.1	634
7.180.2.2 _instance	634
7.181 briar::DatabaseListEntriesRequest Class Reference	634
7.181.1 Member Enumeration Documentation	636
7.181.1.1 anonymous enum	636
7.181.2 Constructor & Destructor Documentation	637
7.181.2.1 DatabaseListEntriesRequest() [1/5]	637
7.181.2.2 ~DatabaseListEntriesRequest()	637
7.181.2.3 DatabaseListEntriesRequest() [2/5]	637
7.181.2.4 DatabaseListEntriesRequest() [3/5]	637
7.181.2.5 DatabaseListEntriesRequest() [4/5]	637
7.181.2.6 DatabaseListEntriesRequest() [5/5]	638
7.181.3 Member Function Documentation	638
7.181.3.1 _InternalParse()	638
7.181.3.2 _InternalSerialize()	638
7.181.3.3 ByteSizeLong()	638
7.181.3.4 Clear()	638
7.181.3.5 clear_database_name()	638
7.181.3.6 clear_durations()	639
7.181.3.7 CopyFrom()	639
7.181.3.8 database_name()	639
7.181.3.9 default_instance()	639
7.181.3.10 descriptor()	639
7.181.3.11 durations()	639

7.181.3.12 GetCachedSize()	639
7.181.3.13 GetClassData()	640
7.181.3.14 GetDescriptor()	640
7.181.3.15 GetMetadata()	640
7.181.3.16 GetReflection()	640
7.181.3.17 has_durations()	640
7.181.3.18 internal_default_instance()	640
7.181.3.19 IsInitialized()	640
7.181.3.20 MergeFrom()	641
7.181.3.21 mutable_database_name()	641
7.181.3.22 mutable_durations()	641
7.181.3.23 New()	641
7.181.3.24 operator=() [1/2]	641
7.181.3.25 operator=() [2/2]	641
7.181.3.26 release_database_name()	641
7.181.3.27 release_durations()	642
7.181.3.28 set_allocated_database_name()	642
7.181.3.29 set_allocated_durations()	642
7.181.3.30 set_database_name() [1/2]	642
7.181.3.31 set_database_name() [2/2]	642
7.181.3.32 Swap()	642
7.181.3.33 unsafe_arena_release_durations()	643
7.181.3.34 unsafe_arena_set_allocated_durations()	643
7.181.3.35 UnsafeArenaSwap()	643
7.181.4 Friends And Related Function Documentation	643
7.181.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	643
7.181.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	643
7.181.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	643
7.181.4.4 swap	643
7.181.5 Member Data Documentation	644
7.181.5.1 _class_data_	644
7.181.5.2 kIndexInFileMessages	644
7.182 briar::DatabaseListEntriesRequestDefaultTypeInternal Struct Reference	644
7.182.1 Constructor & Destructor Documentation	645
7.182.1.1 DatabaseListEntriesRequestDefaultTypeInternal()	645
7.182.1.2 ~DatabaseListEntriesRequestDefaultTypeInternal()	645
7.182.2 Member Data Documentation	645
7.182.2.1	645
7.182.2.2 _instance	645
7.183 briar::DatabaseListReply Class Reference	646
7.183.1 Member Enumeration Documentation	648
7.183.1.1 anonymous enum	648

7.183.2 Constructor & Destructor Documentation	648
7.183.2.1 DatabaseListReply() [1/5]	648
7.183.2.2 ~DatabaseListReply()	648
7.183.2.3 DatabaseListReply() [2/5]	648
7.183.2.4 DatabaseListReply() [3/5]	649
7.183.2.5 DatabaseListReply() [4/5]	649
7.183.2.6 DatabaseListReply() [5/5]	649
7.183.3 Member Function Documentation	649
7.183.3.1 _InternalParse()	649
7.183.3.2 _InternalSerialize()	649
7.183.3.3 add_database_names() [1/5]	649
7.183.3.4 add_database_names() [2/5]	650
7.183.3.5 add_database_names() [3/5]	650
7.183.3.6 add_database_names() [4/5]	650
7.183.3.7 add_database_names() [5/5]	650
7.183.3.8 ByteSizeLong()	650
7.183.3.9 Clear()	650
7.183.3.10 clear_database_names()	650
7.183.3.11 CopyFrom()	651
7.183.3.12 database_names() [1/2]	651
7.183.3.13 database_names() [2/2]	651
7.183.3.14 database_names_size()	651
7.183.3.15 default_instance()	651
7.183.3.16 descriptor()	651
7.183.3.17 GetCachedSize()	651
7.183.3.18 GetClassData()	652
7.183.3.19 GetDescriptor()	652
7.183.3.20 GetMetadata()	652
7.183.3.21 GetReflection()	652
7.183.3.22 internal_default_instance()	652
7.183.3.23 IsInitialized()	652
7.183.3.24 MergeFrom()	652
7.183.3.25 mutable_database_names() [1/2]	653
7.183.3.26 mutable_database_names() [2/2]	653
7.183.3.27 New()	653
7.183.3.28 operator=() [1/2]	653
7.183.3.29 operator=() [2/2]	653
7.183.3.30 set_database_names() [1/4]	653
7.183.3.31 set_database_names() [2/4]	653
7.183.3.32 set_database_names() [3/4]	654
7.183.3.33 set_database_names() [4/4]	654
7.183.3.34 Swap()	654

7.183.3.35 UnsafeArenaSwap()	654
7.183.4 Friends And Related Function Documentation	654
7.183.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	654
7.183.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	654
7.183.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	655
7.183.4.4 swap	655
7.183.5 Member Data Documentation	655
7.183.5.1 _class_data_	655
7.183.5.2 kIndexInFileMessages	655
7.184 briar::DatabaseListReplyDefaultTypeInternal Struct Reference	656
7.184.1 Constructor & Destructor Documentation	656
7.184.1.1 DatabaseListReplyDefaultTypeInternal()	656
7.184.1.2 ~DatabaseListReplyDefaultTypeInternal()	657
7.184.2 Member Data Documentation	657
7.184.2.1	657
7.184.2.2 _instance	657
7.185 briar::DatabaseListRequest Class Reference	657
7.185.1 Member Enumeration Documentation	659
7.185.1.1 anonymous enum	659
7.185.2 Constructor & Destructor Documentation	660
7.185.2.1 DatabaseListRequest() [1/5]	660
7.185.2.2 ~DatabaseListRequest()	660
7.185.2.3 DatabaseListRequest() [2/5]	660
7.185.2.4 DatabaseListRequest() [3/5]	660
7.185.2.5 DatabaseListRequest() [4/5]	660
7.185.2.6 DatabaseListRequest() [5/5]	660
7.185.3 Member Function Documentation	660
7.185.3.1 _InternalParse()	661
7.185.3.2 _InternalSerialize()	661
7.185.3.3 ByteSizeLong()	661
7.185.3.4 Clear()	661
7.185.3.5 clear_regex()	661
7.185.3.6 CopyFrom()	661
7.185.3.7 default_instance()	661
7.185.3.8 descriptor()	662
7.185.3.9 GetCachedSize()	662
7.185.3.10 GetClassData()	662
7.185.3.11 GetDescriptor()	662
7.185.3.12 GetMetadata()	662
7.185.3.13 GetReflection()	662
7.185.3.14 internal_default_instance()	662
7.185.3.15 IsInitialized()	663

7.185.3.16 MergeFrom()	663
7.185.3.17 mutable_regex()	663
7.185.3.18 New()	663
7.185.3.19 operator=() [1/2]	663
7.185.3.20 operator=() [2/2]	663
7.185.3.21 regex()	663
7.185.3.22 release_regex()	664
7.185.3.23 set_allocated_regex()	664
7.185.3.24 set_regex() [1/2]	664
7.185.3.25 set_regex() [2/2]	664
7.185.3.26 Swap()	664
7.185.3.27 UnsafeArenaSwap()	664
7.185.4 Friends And Related Function Documentation	664
7.185.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	665
7.185.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	665
7.185.4.3 ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eproto	665
7.185.4.4 swap	665
7.185.5 Member Data Documentation	665
7.185.5.1 _class_data	665
7.185.5.2 kIndexInFileMessages	665
7.186 briar::DatabaseListRequestDefaultTypeInternal Struct Reference	666
7.186.1 Constructor & Destructor Documentation	666
7.186.1.1 DatabaseListRequestDefaultTypeInternal()	666
7.186.1.2 ~DatabaseListRequestDefaultTypeInternal()	667
7.186.2 Member Data Documentation	667
7.186.2.1	667
7.186.2.2 _instance	667
7.187 briar::DatabaseLoadReply Class Reference	667
7.187.1 Member Enumeration Documentation	670
7.187.1.1 anonymous enum	670
7.187.2 Constructor & Destructor Documentation	670
7.187.2.1 DatabaseLoadReply() [1/5]	670
7.187.2.2 ~DatabaseLoadReply()	670
7.187.2.3 DatabaseLoadReply() [2/5]	670
7.187.2.4 DatabaseLoadReply() [3/5]	671
7.187.2.5 DatabaseLoadReply() [4/5]	671
7.187.2.6 DatabaseLoadReply() [5/5]	671
7.187.3 Member Function Documentation	671
7.187.3.1 _InternalParse()	671
7.187.3.2 _InternalSerialize()	671
7.187.3.3 ByteSizeLong()	671
7.187.3.4 Clear()	672

7.187.3.5 clear_durations()	672
7.187.3.6 clear_errors()	672
7.187.3.7 clear_exists()	672
7.187.3.8 clear_ids()	672
7.187.3.9 clear_records()	672
7.187.3.10 CopyFrom()	672
7.187.3.11 default_instance()	673
7.187.3.12 descriptor()	673
7.187.3.13 durations()	673
7.187.3.14 errors()	673
7.187.3.15 exists()	673
7.187.3.16 GetCachedSize()	673
7.187.3.17 GetClassData()	673
7.187.3.18 GetDescriptor()	674
7.187.3.19 GetMetadata()	674
7.187.3.20 GetReflection()	674
7.187.3.21 has_durations()	674
7.187.3.22 has_errors()	674
7.187.3.23 has_ids()	674
7.187.3.24 has_records()	674
7.187.3.25 ids()	675
7.187.3.26 internal_default_instance()	675
7.187.3.27 IsInitialized()	675
7.187.3.28 MergeFrom()	675
7.187.3.29 mutable_durations()	675
7.187.3.30 mutable_errors()	675
7.187.3.31 mutable_ids()	675
7.187.3.32 mutable_records()	676
7.187.3.33 New()	676
7.187.3.34 operator=() [1/2]	676
7.187.3.35 operator=() [2/2]	676
7.187.3.36 records()	676
7.187.3.37 release_durations()	676
7.187.3.38 release_errors()	676
7.187.3.39 release_ids()	677
7.187.3.40 release_records()	677
7.187.3.41 set_allocated_durations()	677
7.187.3.42 set_allocated_errors()	677
7.187.3.43 set_allocated_ids()	677
7.187.3.44 set_allocated_records()	677
7.187.3.45 set_exists()	677
7.187.3.46 Swap()	678

7.187.3.47 unsafe_arena_release_durations()	678
7.187.3.48 unsafe_arena_release_errors()	678
7.187.3.49 unsafe_arena_release_ids()	678
7.187.3.50 unsafe_arena_release_records()	678
7.187.3.51 unsafe_arena_set_allocated_durations()	678
7.187.3.52 unsafe_arena_set_allocated_errors()	678
7.187.3.53 unsafe_arena_set_allocated_ids()	679
7.187.3.54 unsafe_arena_set_allocated_records()	679
7.187.3.55 UnsafeArenaSwap()	679
7.187.4 Friends And Related Function Documentation	679
7.187.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	679
7.187.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	679
7.187.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	679
7.187.4.4 swap	679
7.187.5 Member Data Documentation	680
7.187.5.1 _class_data_	680
7.187.5.2 kIndexInFileMessages	680
7.188 briar::DatabaseLoadReplyDefaultTypeInternal Struct Reference	680
7.188.1 Constructor & Destructor Documentation	681
7.188.1.1 DatabaseLoadReplyDefaultTypeInternal()	681
7.188.1.2 ~DatabaseLoadReplyDefaultTypeInternal()	681
7.188.2 Member Data Documentation	681
7.188.2.1	681
7.188.2.2 _instance	681
7.189 briar::DatabaseLoadRequest Class Reference	682
7.189.1 Member Enumeration Documentation	684
7.189.1.1 anonymous enum	684
7.189.2 Constructor & Destructor Documentation	684
7.189.2.1 DatabaseLoadRequest() [1/5]	684
7.189.2.2 ~DatabaseLoadRequest()	684
7.189.2.3 DatabaseLoadRequest() [2/5]	684
7.189.2.4 DatabaseLoadRequest() [3/5]	685
7.189.2.5 DatabaseLoadRequest() [4/5]	685
7.189.2.6 DatabaseLoadRequest() [5/5]	685
7.189.3 Member Function Documentation	685
7.189.3.1 _InternalParse()	685
7.189.3.2 _InternalSerialize()	685
7.189.3.3 ByteSizeLong()	685
7.189.3.4 Clear()	686
7.189.3.5 clear_database()	686
7.189.3.6 clear_durations()	686
7.189.3.7 CopyFrom()	686

7.189.3.8 database()	686
7.189.3.9 default_instance()	686
7.189.3.10 descriptor()	686
7.189.3.11 durations()	687
7.189.3.12 GetCachedSize()	687
7.189.3.13 GetClassData()	687
7.189.3.14 GetDescriptor()	687
7.189.3.15 GetMetadata()	687
7.189.3.16 GetReflection()	687
7.189.3.17 has_database()	687
7.189.3.18 has_durations()	688
7.189.3.19 internal_default_instance()	688
7.189.3.20 IsInitialized()	688
7.189.3.21 MergeFrom()	688
7.189.3.22 mutable_database()	688
7.189.3.23 mutable_durations()	688
7.189.3.24 New()	688
7.189.3.25 operator=() [1/2]	689
7.189.3.26 operator=() [2/2]	689
7.189.3.27 release_database()	689
7.189.3.28 release_durations()	689
7.189.3.29 set_allocated_database()	689
7.189.3.30 set_allocated_durations()	689
7.189.3.31 Swap()	689
7.189.3.32 unsafe_arena_release_database()	690
7.189.3.33 unsafe_arena_release_durations()	690
7.189.3.34 unsafe_arena_set_allocated_database()	690
7.189.3.35 unsafe_arena_set_allocated_durations()	690
7.189.3.36 UnsafeArenaSwap()	690
7.189.4 Friends And Related Function Documentation	690
7.189.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	690
7.189.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	690
7.189.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	691
7.189.4.4 swap	691
7.189.5 Member Data Documentation	691
7.189.5.1 _class_data_	691
7.189.5.2 kIndexInFileMessages	691
7.190 briar::DatabaseLoadRequestDefaultTypeInternal Struct Reference	692
7.190.1 Constructor & Destructor Documentation	692
7.190.1.1 DatabaseLoadRequestDefaultTypeInternal()	692
7.190.1.2 ~DatabaseLoadRequestDefaultTypeInternal()	693
7.190.2 Member Data Documentation	693

7.190.2.1	693
7.190.2.2 _instance	693
7.191 briar::DatabaseMergeReply Class Reference	693
7.191.1 Member Enumeration Documentation	695
7.191.1.1 anonymous enum	695
7.191.2 Constructor & Destructor Documentation	696
7.191.2.1 DatabaseMergeReply() [1/5]	696
7.191.2.2 ~DatabaseMergeReply()	696
7.191.2.3 DatabaseMergeReply() [2/5]	696
7.191.2.4 DatabaseMergeReply() [3/5]	696
7.191.2.5 DatabaseMergeReply() [4/5]	696
7.191.2.6 DatabaseMergeReply() [5/5]	697
7.191.3 Member Function Documentation	697
7.191.3.1 _InternalParse()	697
7.191.3.2 _InternalSerialize()	697
7.191.3.3 add_exists()	697
7.191.3.4 ByteSizeLong()	697
7.191.3.5 Clear()	697
7.191.3.6 clear_durations()	698
7.191.3.7 clear_entry_count()	698
7.191.3.8 clear_exists()	698
7.191.3.9 CopyFrom()	698
7.191.3.10 default_instance()	698
7.191.3.11 descriptor()	698
7.191.3.12 durations()	698
7.191.3.13 entry_count()	699
7.191.3.14 exists() [1/2]	699
7.191.3.15 exists() [2/2]	699
7.191.3.16 exists_size()	699
7.191.3.17 GetCachedSize()	699
7.191.3.18 GetClassData()	699
7.191.3.19 GetDescriptor()	699
7.191.3.20 GetMetadata()	700
7.191.3.21 GetReflection()	700
7.191.3.22 has_durations()	700
7.191.3.23 internal_default_instance()	700
7.191.3.24 IsInitialized()	700
7.191.3.25 MergeFrom()	700
7.191.3.26 mutable_durations()	700
7.191.3.27 mutable_exists()	701
7.191.3.28 New()	701
7.191.3.29 operator=() [1/2]	701

7.191.3.30 operator=() [2/2]	701
7.191.3.31 release_durations()	701
7.191.3.32 set_allocated_durations()	701
7.191.3.33 set_entry_count()	701
7.191.3.34 set_exists()	702
7.191.3.35 Swap()	702
7.191.3.36 unsafe_arena_release_durations()	702
7.191.3.37 unsafe_arena_set_allocated_durations()	702
7.191.3.38 UnsafeArenaSwap()	702
7.191.4 Friends And Related Function Documentation	702
7.191.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	702
7.191.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	703
7.191.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	703
7.191.4.4 swap	703
7.191.5 Member Data Documentation	703
7.191.5.1 _class_data_	703
7.191.5.2 kIndexInFileMessages	703
7.192 briar::DatabaseMergeReplyDefaultTypeInternal Struct Reference	704
7.192.1 Constructor & Destructor Documentation	704
7.192.1.1 DatabaseMergeReplyDefaultTypeInternal()	704
7.192.1.2 ~DatabaseMergeReplyDefaultTypeInternal()	705
7.192.2 Member Data Documentation	705
7.192.2.1	705
7.192.2.2 _instance	705
7.193 briar::DatabaseMergeRequest Class Reference	705
7.193.1 Member Enumeration Documentation	707
7.193.1.1 anonymous enum	707
7.193.2 Constructor & Destructor Documentation	708
7.193.2.1 DatabaseMergeRequest() [1/5]	708
7.193.2.2 ~DatabaseMergeRequest()	708
7.193.2.3 DatabaseMergeRequest() [2/5]	708
7.193.2.4 DatabaseMergeRequest() [3/5]	708
7.193.2.5 DatabaseMergeRequest() [4/5]	708
7.193.2.6 DatabaseMergeRequest() [5/5]	709
7.193.3 Member Function Documentation	709
7.193.3.1 _InternalParse()	709
7.193.3.2 _InternalSerialize()	709
7.193.3.3 add_database_list()	709
7.193.3.4 ByteSizeLong()	709
7.193.3.5 Clear()	709
7.193.3.6 clear_database_list()	710
7.193.3.7 clear_durations()	710

7.193.3.8 clear_output_database()	710
7.193.3.9 CopyFrom()	710
7.193.3.10 database_list() [1/2]	710
7.193.3.11 database_list() [2/2]	710
7.193.3.12 database_list_size()	710
7.193.3.13 default_instance()	711
7.193.3.14 descriptor()	711
7.193.3.15 durations()	711
7.193.3.16 GetCachedSize()	711
7.193.3.17 GetClassData()	711
7.193.3.18 GetDescriptor()	711
7.193.3.19 GetMetadata()	711
7.193.3.20 GetReflection()	712
7.193.3.21 has_durations()	712
7.193.3.22 has_output_database()	712
7.193.3.23 internal_default_instance()	712
7.193.3.24 IsInitialized()	712
7.193.3.25 MergeFrom()	712
7.193.3.26 mutable_database_list() [1/2]	712
7.193.3.27 mutable_database_list() [2/2]	713
7.193.3.28 mutable_durations()	713
7.193.3.29 mutable_output_database()	713
7.193.3.30 New()	713
7.193.3.31 operator=() [1/2]	713
7.193.3.32 operator=() [2/2]	713
7.193.3.33 output_database()	713
7.193.3.34 release_durations()	714
7.193.3.35 release_output_database()	714
7.193.3.36 set_allocated_durations()	714
7.193.3.37 set_allocated_output_database()	714
7.193.3.38 Swap()	714
7.193.3.39 unsafe_arena_release_durations()	714
7.193.3.40 unsafe_arena_release_output_database()	714
7.193.3.41 unsafe_arena_set_allocated_durations()	715
7.193.3.42 unsafe_arena_set_allocated_output_database()	715
7.193.3.43 UnsafeArenaSwap()	715
7.193.4 Friends And Related Function Documentation	715
7.193.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	715
7.193.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	715
7.193.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	715
7.193.4.4 swap	715
7.193.5 Member Data Documentation	716

7.193.5.1 <code>_class_data</code>	716
7.193.5.2 <code>kIndexInFileMessages</code>	716
7.194 <code>briar::DatabaseMergeRequestDefaultTypeInternal</code> Struct Reference	716
7.194.1 Constructor & Destructor Documentation	717
7.194.1.1 <code>DatabaseMergeRequestDefaultTypeInternal()</code>	717
7.194.1.2 <code>~DatabaseMergeRequestDefaultTypeInternal()</code>	717
7.194.2 Member Data Documentation	717
7.194.2.1	717
7.194.2.2 <code>_instance</code>	717
7.195 <code>briar::DatabaseMoveEntryReply</code> Class Reference	718
7.195.1 Member Enumeration Documentation	720
7.195.1.1 <code>anonymous enum</code>	720
7.195.2 Constructor & Destructor Documentation	720
7.195.2.1 <code>DatabaseMoveEntryReply()</code> [1/5]	720
7.195.2.2 <code>~DatabaseMoveEntryReply()</code>	720
7.195.2.3 <code>DatabaseMoveEntryReply()</code> [2/5]	720
7.195.2.4 <code>DatabaseMoveEntryReply()</code> [3/5]	721
7.195.2.5 <code>DatabaseMoveEntryReply()</code> [4/5]	721
7.195.2.6 <code>DatabaseMoveEntryReply()</code> [5/5]	721
7.195.3 Member Function Documentation	721
7.195.3.1 <code>_InternalParse()</code>	721
7.195.3.2 <code>_InternalSerialize()</code>	721
7.195.3.3 <code>ByteSizeLong()</code>	721
7.195.3.4 <code>Clear()</code>	722
7.195.3.5 <code>clear_progress()</code>	722
7.195.3.6 <code>clear_success()</code>	722
7.195.3.7 <code>CopyFrom()</code>	722
7.195.3.8 <code>default_instance()</code>	722
7.195.3.9 <code>descriptor()</code>	722
7.195.3.10 <code>GetCachedSize()</code>	722
7.195.3.11 <code>GetClassData()</code>	723
7.195.3.12 <code>GetDescriptor()</code>	723
7.195.3.13 <code>GetMetadata()</code>	723
7.195.3.14 <code>GetReflection()</code>	723
7.195.3.15 <code>has_progress()</code>	723
7.195.3.16 <code>internal_default_instance()</code>	723
7.195.3.17 <code>IsInitialized()</code>	723
7.195.3.18 <code>MergeFrom()</code>	724
7.195.3.19 <code>mutable_progress()</code>	724
7.195.3.20 <code>New()</code>	724
7.195.3.21 <code>operator=()</code> [1/2]	724
7.195.3.22 <code>operator=()</code> [2/2]	724

7.195.3.23 progress()	724
7.195.3.24 release_progress()	724
7.195.3.25 set_allocated_progress()	725
7.195.3.26 set_success()	725
7.195.3.27 success()	725
7.195.3.28 Swap()	725
7.195.3.29 unsafe_arena_release_progress()	725
7.195.3.30 unsafe_arena_set_allocated_progress()	725
7.195.3.31 UnsafeArenaSwap()	725
7.195.4 Friends And Related Function Documentation	726
7.195.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	726
7.195.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	726
7.195.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	726
7.195.4.4 swap	726
7.195.5 Member Data Documentation	726
7.195.5.1 _class_data_	726
7.195.5.2 kIndexInFileMessages	727
7.196 briar::DatabaseMoveEntryReplyDefaultTypeInternal Struct Reference	727
7.196.1 Constructor & Destructor Documentation	728
7.196.1.1 DatabaseMoveEntryReplyDefaultTypeInternal()	728
7.196.1.2 ~DatabaseMoveEntryReplyDefaultTypeInternal()	728
7.196.2 Member Data Documentation	728
7.196.2.1	728
7.196.2.2 _instance	728
7.197 briar::DatabaseMoveEntryRequest Class Reference	729
7.197.1 Member Enumeration Documentation	731
7.197.1.1 anonymous enum	731
7.197.2 Constructor & Destructor Documentation	731
7.197.2.1 DatabaseMoveEntryRequest() [1/5]	732
7.197.2.2 ~DatabaseMoveEntryRequest()	732
7.197.2.3 DatabaseMoveEntryRequest() [2/5]	732
7.197.2.4 DatabaseMoveEntryRequest() [3/5]	732
7.197.2.5 DatabaseMoveEntryRequest() [4/5]	732
7.197.2.6 DatabaseMoveEntryRequest() [5/5]	732
7.197.3 Member Function Documentation	732
7.197.3.1 _InternalParse()	733
7.197.3.2 _InternalSerialize()	733
7.197.3.3 ByteSizeLong()	733
7.197.3.4 Clear()	733
7.197.3.5 clear_entry_id()	733
7.197.3.6 clear_from_database()	733
7.197.3.7 clear_should_copy()	733

7.197.3.8 clear_to_database()	734
7.197.3.9 CopyFrom()	734
7.197.3.10 default_instance()	734
7.197.3.11 descriptor()	734
7.197.3.12 entry_id()	734
7.197.3.13 from_database()	734
7.197.3.14 GetCachedSize()	734
7.197.3.15 GetClassData()	735
7.197.3.16 GetDescriptor()	735
7.197.3.17 GetMetadata()	735
7.197.3.18 GetReflection()	735
7.197.3.19 has_from_database()	735
7.197.3.20 has_to_database()	735
7.197.3.21 internal_default_instance()	735
7.197.3.22 IsInitialized()	736
7.197.3.23 MergeFrom()	736
7.197.3.24 mutable_entry_id()	736
7.197.3.25 mutable_from_database()	736
7.197.3.26 mutable_to_database()	736
7.197.3.27 New()	736
7.197.3.28 operator=() [1/2]	736
7.197.3.29 operator=() [2/2]	737
7.197.3.30 release_entry_id()	737
7.197.3.31 release_from_database()	737
7.197.3.32 release_to_database()	737
7.197.3.33 set_allocated_entry_id()	737
7.197.3.34 set_allocated_from_database()	737
7.197.3.35 set_allocated_to_database()	737
7.197.3.36 set_entry_id() [1/2]	738
7.197.3.37 set_entry_id() [2/2]	738
7.197.3.38 set_should_copy()	738
7.197.3.39 should_copy()	738
7.197.3.40 Swap()	738
7.197.3.41 to_database()	738
7.197.3.42 unsafe_arena_release_from_database()	738
7.197.3.43 unsafe_arena_release_to_database()	739
7.197.3.44 unsafe_arena_set_allocated_from_database()	739
7.197.3.45 unsafe_arena_set_allocated_to_database()	739
7.197.3.46 UnsafeArenaSwap()	739
7.197.4 Friends And Related Function Documentation	739
7.197.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	739
7.197.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	739

7.197.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	740
7.197.4.4 swap	740
7.197.5 Member Data Documentation	740
7.197.5.1 _class_data_	740
7.197.5.2 kIndexInFileMessages	740
7.198 briar::DatabaseMoveEntryRequestDefaultTypeInternal Struct Reference	741
7.198.1 Constructor & Destructor Documentation	741
7.198.1.1 DatabaseMoveEntryRequestDefaultTypeInternal()	741
7.198.1.2 ~DatabaseMoveEntryRequestDefaultTypeInternal()	742
7.198.2 Member Data Documentation	742
7.198.2.1	742
7.198.2.2 _instance	742
7.199 briar::DatabaseRemoveTmplsReply Class Reference	742
7.199.1 Member Enumeration Documentation	744
7.199.1.1 anonymous enum	744
7.199.2 Constructor & Destructor Documentation	745
7.199.2.1 DatabaseRemoveTmplsReply() [1/5]	745
7.199.2.2 ~DatabaseRemoveTmplsReply()	745
7.199.2.3 DatabaseRemoveTmplsReply() [2/5]	745
7.199.2.4 DatabaseRemoveTmplsReply() [3/5]	745
7.199.2.5 DatabaseRemoveTmplsReply() [4/5]	745
7.199.2.6 DatabaseRemoveTmplsReply() [5/5]	746
7.199.3 Member Function Documentation	746
7.199.3.1 _InternalParse()	746
7.199.3.2 _InternalSerialize()	746
7.199.3.3 ByteSizeLong()	746
7.199.3.4 Clear()	746
7.199.3.5 clear_durations()	746
7.199.3.6 clear_errors()	747
7.199.3.7 CopyFrom()	747
7.199.3.8 default_instance()	747
7.199.3.9 descriptor()	747
7.199.3.10 durations()	747
7.199.3.11 errors()	747
7.199.3.12 GetCachedSize()	747
7.199.3.13 GetClassData()	748
7.199.3.14 GetDescriptor()	748
7.199.3.15 GetMetadata()	748
7.199.3.16 GetReflection()	748
7.199.3.17 has_durations()	748
7.199.3.18 has_errors()	748
7.199.3.19 internal_default_instance()	748

7.199.3.20 IsInitialized()	749
7.199.3.21 MergeFrom()	749
7.199.3.22 mutable_durations()	749
7.199.3.23 mutable_errors()	749
7.199.3.24 New()	749
7.199.3.25 operator=() [1/2]	749
7.199.3.26 operator=() [2/2]	749
7.199.3.27 release_durations()	750
7.199.3.28 release_errors()	750
7.199.3.29 set_allocated_durations()	750
7.199.3.30 set_allocated_errors()	750
7.199.3.31 Swap()	750
7.199.3.32 unsafe_arena_release_durations()	750
7.199.3.33 unsafe_arena_release_errors()	750
7.199.3.34 unsafe_arena_set_allocated_durations()	751
7.199.3.35 unsafe_arena_set_allocated_errors()	751
7.199.3.36 UnsafeArenaSwap()	751
7.199.4 Friends And Related Function Documentation	751
7.199.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	751
7.199.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	751
7.199.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	751
7.199.4.4 swap	751
7.199.5 Member Data Documentation	752
7.199.5.1 _class_data_	752
7.199.5.2 kIndexInFileMessages	752
7.200 briar::DatabaseRemoveTmplsReplyDefaultTypeInternal Struct Reference	752
7.200.1 Constructor & Destructor Documentation	753
7.200.1.1 DatabaseRemoveTmplsReplyDefaultTypeInternal()	753
7.200.1.2 ~DatabaseRemoveTmplsReplyDefaultTypeInternal()	753
7.200.2 Member Data Documentation	753
7.200.2.1	753
7.200.2.2 _instance	753
7.201 briar::DatabaseRemoveTmplsRequest Class Reference	754
7.201.1 Member Enumeration Documentation	756
7.201.1.1 anonymous enum	756
7.201.2 Constructor & Destructor Documentation	756
7.201.2.1 DatabaseRemoveTmplsRequest() [1/5]	756
7.201.2.2 ~DatabaseRemoveTmplsRequest()	756
7.201.2.3 DatabaseRemoveTmplsRequest() [2/5]	757
7.201.2.4 DatabaseRemoveTmplsRequest() [3/5]	757
7.201.2.5 DatabaseRemoveTmplsRequest() [4/5]	757
7.201.2.6 DatabaseRemoveTmplsRequest() [5/5]	757

7.201.3 Member Function Documentation	757
7.201.3.1 <code>_InternalParse()</code>	757
7.201.3.2 <code>_InternalSerialize()</code>	757
7.201.3.3 <code>ByteSizeLong()</code>	758
7.201.3.4 <code>Clear()</code>	758
7.201.3.5 <code>clear_database()</code>	758
7.201.3.6 <code>clear_durations()</code>	758
7.201.3.7 <code>clear_ids()</code>	758
7.201.3.8 <code>CopyFrom()</code>	758
7.201.3.9 <code>database()</code>	758
7.201.3.10 <code>default_instance()</code>	759
7.201.3.11 <code>descriptor()</code>	759
7.201.3.12 <code>durations()</code>	759
7.201.3.13 <code>GetCachedSize()</code>	759
7.201.3.14 <code>GetClassData()</code>	759
7.201.3.15 <code>GetDescriptor()</code>	759
7.201.3.16 <code>GetMetadata()</code>	759
7.201.3.17 <code>GetReflection()</code>	760
7.201.3.18 <code>has_database()</code>	760
7.201.3.19 <code>has_durations()</code>	760
7.201.3.20 <code>has_ids()</code>	760
7.201.3.21 <code>ids()</code>	760
7.201.3.22 <code>internal_default_instance()</code>	760
7.201.3.23 <code>IsInitialized()</code>	760
7.201.3.24 <code>MergeFrom()</code>	761
7.201.3.25 <code>mutable_database()</code>	761
7.201.3.26 <code>mutable_durations()</code>	761
7.201.3.27 <code>mutable_ids()</code>	761
7.201.3.28 <code>New()</code>	761
7.201.3.29 <code>operator=()</code> [1/2]	761
7.201.3.30 <code>operator=()</code> [2/2]	761
7.201.3.31 <code>release_database()</code>	762
7.201.3.32 <code>release_durations()</code>	762
7.201.3.33 <code>release_ids()</code>	762
7.201.3.34 <code>set_allocated_database()</code>	762
7.201.3.35 <code>set_allocated_durations()</code>	762
7.201.3.36 <code>set_allocated_ids()</code>	762
7.201.3.37 <code>Swap()</code>	762
7.201.3.38 <code>unsafe_arena_release_database()</code>	763
7.201.3.39 <code>unsafe_arena_release_durations()</code>	763
7.201.3.40 <code>unsafe_arena_release_ids()</code>	763
7.201.3.41 <code>unsafe_arena_set_allocated_database()</code>	763

7.201.3.42 unsafe_arena_set_allocated_durations()	763
7.201.3.43 unsafe_arena_set_allocated_ids()	763
7.201.3.44 UnsafeArenaSwap()	763
7.201.4 Friends And Related Function Documentation	764
7.201.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	764
7.201.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	764
7.201.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	764
7.201.4.4 swap	764
7.201.5 Member Data Documentation	764
7.201.5.1 _class_data_	764
7.201.5.2 kIndexInFileMessages	765
7.202 briar::DatabaseRemoveTmplsRequestDefaultTypeInternal Struct Reference	765
7.202.1 Constructor & Destructor Documentation	766
7.202.1.1 DatabaseRemoveTmplsRequestDefaultTypeInternal()	766
7.202.1.2 ~DatabaseRemoveTmplsRequestDefaultTypeInternal()	766
7.202.2 Member Data Documentation	766
7.202.2.1	766
7.202.2.2 _instance	766
7.203 briar::DatabaseRenameReply Class Reference	767
7.203.1 Member Enumeration Documentation	769
7.203.1.1 anonymous enum	769
7.203.2 Constructor & Destructor Documentation	769
7.203.2.1 DatabaseRenameReply() [1/5]	769
7.203.2.2 ~DatabaseRenameReply()	769
7.203.2.3 DatabaseRenameReply() [2/5]	770
7.203.2.4 DatabaseRenameReply() [3/5]	770
7.203.2.5 DatabaseRenameReply() [4/5]	770
7.203.2.6 DatabaseRenameReply() [5/5]	770
7.203.3 Member Function Documentation	770
7.203.3.1 _InternalParse()	770
7.203.3.2 _InternalSerialize()	770
7.203.3.3 ByteSizeLong()	771
7.203.3.4 Clear()	771
7.203.3.5 clear_durations()	771
7.203.3.6 clear_errors()	771
7.203.3.7 clear_exists()	771
7.203.3.8 CopyFrom()	771
7.203.3.9 default_instance()	771
7.203.3.10 descriptor()	772
7.203.3.11 durations()	772
7.203.3.12 errors()	772
7.203.3.13 exists()	772

7.203.3.14 GetCachedSize()	772
7.203.3.15 GetClassData()	772
7.203.3.16 GetDescriptor()	772
7.203.3.17 GetMetadata()	773
7.203.3.18 GetReflection()	773
7.203.3.19 has_durations()	773
7.203.3.20 has_errors()	773
7.203.3.21 internal_default_instance()	773
7.203.3.22 IsInitialized()	773
7.203.3.23 MergeFrom()	773
7.203.3.24 mutable_durations()	774
7.203.3.25 mutable_errors()	774
7.203.3.26 New()	774
7.203.3.27 operator=([1/2])	774
7.203.3.28 operator=([2/2])	774
7.203.3.29 release_durations()	774
7.203.3.30 release_errors()	774
7.203.3.31 set_allocated_durations()	775
7.203.3.32 set_allocated_errors()	775
7.203.3.33 set_exists()	775
7.203.3.34 Swap()	775
7.203.3.35 unsafe_arena_release_durations()	775
7.203.3.36 unsafe_arena_release_errors()	775
7.203.3.37 unsafe_arena_set_allocated_durations()	775
7.203.3.38 unsafe_arena_set_allocated_errors()	776
7.203.3.39 UnsafeArenaSwap()	776
7.203.4 Friends And Related Function Documentation	776
7.203.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	776
7.203.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	776
7.203.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	776
7.203.4.4 swap	776
7.203.5 Member Data Documentation	776
7.203.5.1 _class_data_	777
7.203.5.2 kIndexInFileMessages	777
7.204 briar::DatabaseRenameReplyDefaultTypeInternal Struct Reference	777
7.204.1 Constructor & Destructor Documentation	778
7.204.1.1 DatabaseRenameReplyDefaultTypeInternal()	778
7.204.1.2 ~DatabaseRenameReplyDefaultTypeInternal()	778
7.204.2 Member Data Documentation	778
7.204.2.1	778
7.204.2.2 _instance	778
7.205 briar::DatabaseRenameRequest Class Reference	779

7.205.1 Member Enumeration Documentation	781
7.205.1.1 anonymous enum	781
7.205.2 Constructor & Destructor Documentation	781
7.205.2.1 DatabaseRenameRequest() [1/5]	781
7.205.2.2 ~DatabaseRenameRequest()	781
7.205.2.3 DatabaseRenameRequest() [2/5]	781
7.205.2.4 DatabaseRenameRequest() [3/5]	782
7.205.2.5 DatabaseRenameRequest() [4/5]	782
7.205.2.6 DatabaseRenameRequest() [5/5]	782
7.205.3 Member Function Documentation	782
7.205.3.1 _InternalParse()	782
7.205.3.2 _InternalSerialize()	782
7.205.3.3 ByteSizeLong()	782
7.205.3.4 Clear()	783
7.205.3.5 clear_database()	783
7.205.3.6 clear_database_new()	783
7.205.3.7 CopyFrom()	783
7.205.3.8 database()	783
7.205.3.9 database_new()	783
7.205.3.10 default_instance()	783
7.205.3.11 descriptor()	784
7.205.3.12 GetCachedSize()	784
7.205.3.13 GetClassData()	784
7.205.3.14 GetDescriptor()	784
7.205.3.15 GetMetadata()	784
7.205.3.16 GetReflection()	784
7.205.3.17 has_database()	784
7.205.3.18 has_database_new()	785
7.205.3.19 internal_default_instance()	785
7.205.3.20 IsInitialized()	785
7.205.3.21 MergeFrom()	785
7.205.3.22 mutable_database()	785
7.205.3.23 mutable_database_new()	785
7.205.3.24 New()	785
7.205.3.25 operator=() [1/2]	786
7.205.3.26 operator=() [2/2]	786
7.205.3.27 release_database()	786
7.205.3.28 release_database_new()	786
7.205.3.29 set_allocated_database()	786
7.205.3.30 set_allocated_database_new()	786
7.205.3.31 Swap()	786
7.205.3.32 unsafe_arena_release_database()	787

7.205.3.33 unsafe_arena_release_database_new()	787
7.205.3.34 unsafe_arena_set_allocated_database()	787
7.205.3.35 unsafe_arena_set_allocated_database_new()	787
7.205.3.36 UnsafeArenaSwap()	787
7.205.4 Friends And Related Function Documentation	787
7.205.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	787
7.205.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	788
7.205.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	788
7.205.4.4 swap	788
7.205.5 Member Data Documentation	788
7.205.5.1 _class_data_	788
7.205.5.2 kIndexInFileMessages	788
7.206 briar::DatabaseRenameRequestDefaultTypeInternal Struct Reference	789
7.206.1 Constructor & Destructor Documentation	789
7.206.1.1 DatabaseRenameRequestDefaultTypeInternal()	789
7.206.1.2 ~DatabaseRenameRequestDefaultTypeInternal()	790
7.206.2 Member Data Documentation	790
7.206.2.1	790
7.206.2.2 _instance	790
7.207 briar::DatabaseRetrieveReply Class Reference	790
7.207.1 Member Enumeration Documentation	793
7.207.1.1 anonymous enum	793
7.207.2 Constructor & Destructor Documentation	793
7.207.2.1 DatabaseRetrieveReply() [1/5]	793
7.207.2.2 ~DatabaseRetrieveReply()	793
7.207.2.3 DatabaseRetrieveReply() [2/5]	793
7.207.2.4 DatabaseRetrieveReply() [3/5]	794
7.207.2.5 DatabaseRetrieveReply() [4/5]	794
7.207.2.6 DatabaseRetrieveReply() [5/5]	794
7.207.3 Member Function Documentation	794
7.207.3.1 _InternalParse()	794
7.207.3.2 _InternalSerialize()	794
7.207.3.3 ByteSizeLong()	794
7.207.3.4 Clear()	795
7.207.3.5 clear_durations()	795
7.207.3.6 clear_errors()	795
7.207.3.7 clear_records()	795
7.207.3.8 clear_templates()	795
7.207.3.9 CopyFrom()	795
7.207.3.10 default_instance()	795
7.207.3.11 descriptor()	796
7.207.3.12 durations()	796

7.207.3.13 errors()	796
7.207.3.14 GetCachedSize()	796
7.207.3.15 GetClassData()	796
7.207.3.16 GetDescriptor()	796
7.207.3.17 GetMetadata()	796
7.207.3.18 GetReflection()	797
7.207.3.19 has_durations()	797
7.207.3.20 has_errors()	797
7.207.3.21 has_records()	797
7.207.3.22 has_templates()	797
7.207.3.23 internal_default_instance()	797
7.207.3.24 IsInitialized()	797
7.207.3.25 MergeFrom()	798
7.207.3.26 mutable_durations()	798
7.207.3.27 mutable_errors()	798
7.207.3.28 mutable_records()	798
7.207.3.29 mutable_templates()	798
7.207.3.30 New()	798
7.207.3.31 operator=() [1/2]	798
7.207.3.32 operator=() [2/2]	799
7.207.3.33 records()	799
7.207.3.34 release_durations()	799
7.207.3.35 release_errors()	799
7.207.3.36 release_records()	799
7.207.3.37 release_templates()	799
7.207.3.38 set_allocated_durations()	799
7.207.3.39 set_allocated_errors()	800
7.207.3.40 set_allocated_records()	800
7.207.3.41 set_allocated_templates()	800
7.207.3.42 Swap()	800
7.207.3.43 templates()	800
7.207.3.44 unsafe_arena_release_durations()	800
7.207.3.45 unsafe_arena_release_errors()	800
7.207.3.46 unsafe_arena_release_records()	801
7.207.3.47 unsafe_arena_release_templates()	801
7.207.3.48 unsafe_arena_set_allocated_durations()	801
7.207.3.49 unsafe_arena_set_allocated_errors()	801
7.207.3.50 unsafe_arena_set_allocated_records()	801
7.207.3.51 unsafe_arena_set_allocated_templates()	801
7.207.3.52 UnsafeArenaSwap()	801
7.207.4 Friends And Related Function Documentation	802
7.207.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	802

7.207.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	802
7.207.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	802
7.207.4.4 swap	802
7.207.5 Member Data Documentation	802
7.207.5.1 _class_data_	802
7.207.5.2 kIndexInFileMessages	803
7.208 briar::DatabaseRetrieveReplyDefaultTypeInternal Struct Reference	803
7.208.1 Constructor & Destructor Documentation	804
7.208.1.1 DatabaseRetrieveReplyDefaultTypeInternal()	804
7.208.1.2 ~DatabaseRetrieveReplyDefaultTypeInternal()	804
7.208.2 Member Data Documentation	804
7.208.2.1	804
7.208.2.2 _instance	804
7.209 briar::DatabaseRetrieveRequest Class Reference	805
7.209.1 Member Enumeration Documentation	807
7.209.1.1 anonymous enum	807
7.209.2 Constructor & Destructor Documentation	807
7.209.2.1 DatabaseRetrieveRequest() [1/5]	807
7.209.2.2 ~DatabaseRetrieveRequest()	807
7.209.2.3 DatabaseRetrieveRequest() [2/5]	808
7.209.2.4 DatabaseRetrieveRequest() [3/5]	808
7.209.2.5 DatabaseRetrieveRequest() [4/5]	808
7.209.2.6 DatabaseRetrieveRequest() [5/5]	808
7.209.3 Member Function Documentation	808
7.209.3.1 _InternalParse()	808
7.209.3.2 _InternalSerialize()	808
7.209.3.3 ByteSizeLong()	809
7.209.3.4 Clear()	809
7.209.3.5 clear_database()	809
7.209.3.6 clear_durations()	809
7.209.3.7 clear_ids()	809
7.209.3.8 CopyFrom()	809
7.209.3.9 database()	809
7.209.3.10 default_instance()	810
7.209.3.11 descriptor()	810
7.209.3.12 durations()	810
7.209.3.13 GetCachedSize()	810
7.209.3.14 GetClassData()	810
7.209.3.15 GetDescriptor()	810
7.209.3.16 GetMetadata()	810
7.209.3.17 GetReflection()	811
7.209.3.18 has_database()	811

7.209.3.19 has_durations()	811
7.209.3.20 has_ids()	811
7.209.3.21 ids()	811
7.209.3.22 internal_default_instance()	811
7.209.3.23 IsInitialized()	811
7.209.3.24 MergeFrom()	812
7.209.3.25 mutable_database()	812
7.209.3.26 mutable_durations()	812
7.209.3.27 mutable_ids()	812
7.209.3.28 New()	812
7.209.3.29 operator=() [1/2]	812
7.209.3.30 operator=() [2/2]	812
7.209.3.31 release_database()	813
7.209.3.32 release_durations()	813
7.209.3.33 release_ids()	813
7.209.3.34 set_allocated_database()	813
7.209.3.35 set_allocated_durations()	813
7.209.3.36 set_allocated_ids()	813
7.209.3.37 Swap()	813
7.209.3.38 unsafe_arena_release_database()	814
7.209.3.39 unsafe_arena_release_durations()	814
7.209.3.40 unsafe_arena_release_ids()	814
7.209.3.41 unsafe_arena_set_allocated_database()	814
7.209.3.42 unsafe_arena_set_allocated_durations()	814
7.209.3.43 unsafe_arena_set_allocated_ids()	814
7.209.3.44 UnsafeArenaSwap()	814
7.209.4 Friends And Related Function Documentation	815
7.209.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	815
7.209.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	815
7.209.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	815
7.209.4.4 swap	815
7.209.5 Member Data Documentation	815
7.209.5.1 _class_data_	815
7.209.5.2 kIndexInFileMessages	816
7.210 briar::DatabaseRetrieveRequestDefaultTypeInternal Struct Reference	816
7.210.1 Constructor & Destructor Documentation	817
7.210.1.1 DatabaseRetrieveRequestDefaultTypeInternal()	817
7.210.1.2 ~DatabaseRetrieveRequestDefaultTypeInternal()	817
7.210.2 Member Data Documentation	817
7.210.2.1	817
7.210.2.2 _instance	817
7.211 briar::Detection Class Reference	818

7.211.1 Member Enumeration Documentation	821
7.211.1.1 anonymous enum	821
7.211.2 Constructor & Destructor Documentation	822
7.211.2.1 Detection() [1/5]	822
7.211.2.2 ~Detection()	822
7.211.2.3 Detection() [2/5]	822
7.211.2.4 Detection() [3/5]	822
7.211.2.5 Detection() [4/5]	823
7.211.2.6 Detection() [5/5]	823
7.211.3 Member Function Documentation	823
7.211.3.1 _InternalParse()	823
7.211.3.2 _InternalSerialize()	823
7.211.3.3 add_attributes()	823
7.211.3.4 attributes() [1/2]	823
7.211.3.5 attributes() [2/2]	824
7.211.3.6 attributes_size()	824
7.211.3.7 ByteSizeLong()	824
7.211.3.8 Clear()	824
7.211.3.9 clear_attributes()	824
7.211.3.10 clear_confidence()	824
7.211.3.11 clear_detection_class()	824
7.211.3.12 clear_detection_id()	825
7.211.3.13 clear_frame()	825
7.211.3.14 clear_location()	825
7.211.3.15 clear_mask()	825
7.211.3.16 clear_media()	825
7.211.3.17 clear_modality()	825
7.211.3.18 clear_tracklet_id()	825
7.211.3.19 confidence()	825
7.211.3.20 CopyFrom()	826
7.211.3.21 default_instance()	826
7.211.3.22 descriptor()	826
7.211.3.23 detection_class()	826
7.211.3.24 detection_id()	826
7.211.3.25 frame()	826
7.211.3.26 GetCachedSize()	826
7.211.3.27 GetClassData()	827
7.211.3.28 GetDescriptor()	827
7.211.3.29 GetMetadata()	827
7.211.3.30 GetReflection()	827
7.211.3.31 has_location()	827
7.211.3.32 has_mask()	827

7.211.3.33 has_media()	827
7.211.3.34 internal_default_instance()	828
7.211.3.35 IsInitialized()	828
7.211.3.36 location()	828
7.211.3.37 mask()	828
7.211.3.38 media()	828
7.211.3.39 MergeFrom()	828
7.211.3.40 modality()	828
7.211.3.41 mutable_attributes() [1/2]	829
7.211.3.42 mutable_attributes() [2/2]	829
7.211.3.43 mutable_detection_class()	829
7.211.3.44 mutable_location()	829
7.211.3.45 mutable_mask()	829
7.211.3.46 mutable_media()	829
7.211.3.47 New()	829
7.211.3.48 operator=() [1/2]	830
7.211.3.49 operator=() [2/2]	830
7.211.3.50 release_detection_class()	830
7.211.3.51 release_location()	830
7.211.3.52 release_mask()	830
7.211.3.53 release_media()	830
7.211.3.54 set_allocated_detection_class()	830
7.211.3.55 set_allocated_location()	831
7.211.3.56 set_allocated_mask()	831
7.211.3.57 set_allocated_media()	831
7.211.3.58 set_confidence()	831
7.211.3.59 set_detection_class() [1/2]	831
7.211.3.60 set_detection_class() [2/2]	831
7.211.3.61 set_detection_id()	832
7.211.3.62 set_frame()	832
7.211.3.63 set_modality()	832
7.211.3.64 set_tracklet_id()	832
7.211.3.65 Swap()	832
7.211.3.66 tracklet_id()	832
7.211.3.67 unsafe_arena_release_location()	832
7.211.3.68 unsafe_arena_release_mask()	833
7.211.3.69 unsafe_arena_release_media()	833
7.211.3.70 unsafe_arena_set_allocated_location()	833
7.211.3.71 unsafe_arena_set_allocated_mask()	833
7.211.3.72 unsafe_arena_set_allocated_media()	833
7.211.3.73 UnsafeArenaSwap()	833
7.211.4 Friends And Related Function Documentation	833

7.211.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	834
7.211.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	834
7.211.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	834
7.211.4.4 swap	834
7.211.5 Member Data Documentation	834
7.211.5.1 _class_data_	834
7.211.5.2 kIndexInFileMessages	834
7.212 briar::DetectionDefaultTypeInternal Struct Reference	835
7.212.1 Constructor & Destructor Documentation	835
7.212.1.1 DetectionDefaultTypeInternal()	835
7.212.1.2 ~DetectionDefaultTypeInternal()	836
7.212.2 Member Data Documentation	836
7.212.2.1	836
7.212.2.2 _instance	836
7.213 briar::DetectionOptions Class Reference	836
7.213.1 Member Enumeration Documentation	840
7.213.1.1 anonymous enum	840
7.213.2 Constructor & Destructor Documentation	840
7.213.2.1 DetectionOptions() [1/5]	841
7.213.2.2 ~DetectionOptions()	841
7.213.2.3 DetectionOptions() [2/5]	841
7.213.2.4 DetectionOptions() [3/5]	841
7.213.2.5 DetectionOptions() [4/5]	841
7.213.2.6 DetectionOptions() [5/5]	841
7.213.3 Member Function Documentation	841
7.213.3.1 _InternalParse()	842
7.213.3.2 _InternalSerialize()	842
7.213.3.3 add_attributes()	842
7.213.3.4 algorithm_id()	842
7.213.3.5 attributes() [1/2]	842
7.213.3.6 attributes() [2/2]	842
7.213.3.7 attributes_size()	842
7.213.3.8 best()	843
7.213.3.9 body_min_height()	843
7.213.3.10 body_threshold()	843
7.213.3.11 ByteSizeLong()	843
7.213.3.12 Clear()	843
7.213.3.13 clear_algorithm_id()	843
7.213.3.14 clear_attributes()	843
7.213.3.15 clear_best()	843
7.213.3.16 clear_body_min_height()	844
7.213.3.17 clear_body_threshold()	844

7.213.3.18 clear_debug()	844
7.213.3.19 clear_detect_batch()	844
7.213.3.20 clear_enable_metadata()	844
7.213.3.21 clear_face_min_height()	844
7.213.3.22 clear_face_threshold()	844
7.213.3.23 clear_modality()	844
7.213.3.24 clear_return_media()	845
7.213.3.25 clear_tracking_options()	845
7.213.3.26 CopyFrom()	845
7.213.3.27 debug()	845
7.213.3.28 default_instance()	845
7.213.3.29 descriptor()	845
7.213.3.30 detect_batch()	845
7.213.3.31 enable_metadata()	846
7.213.3.32 face_min_height()	846
7.213.3.33 face_threshold()	846
7.213.3.34 GetCachedSize()	846
7.213.3.35 GetClassData()	846
7.213.3.36 GetDescriptor()	846
7.213.3.37 GetMetadata()	846
7.213.3.38 GetReflection()	847
7.213.3.39 has_algorithm_id()	847
7.213.3.40 has_best()	847
7.213.3.41 has_body_min_height()	847
7.213.3.42 has_body_threshold()	847
7.213.3.43 has_debug()	847
7.213.3.44 has_detect_batch()	847
7.213.3.45 has_enable_metadata()	848
7.213.3.46 has_face_min_height()	848
7.213.3.47 has_face_threshold()	848
7.213.3.48 has_return_media()	848
7.213.3.49 has_tracking_options()	848
7.213.3.50 internal_default_instance()	848
7.213.3.51 IsInitialized()	848
7.213.3.52 MergeFrom()	849
7.213.3.53 modality()	849
7.213.3.54 mutable_algorithm_id()	849
7.213.3.55 mutable_attributes() [1/2]	849
7.213.3.56 mutable_attributes() [2/2]	849
7.213.3.57 mutable_best()	849
7.213.3.58 mutable_body_min_height()	849
7.213.3.59 mutable_body_threshold()	850

7.213.3.60 mutable_debug()	850
7.213.3.61 mutable_detect_batch()	850
7.213.3.62 mutable_enable_metadata()	850
7.213.3.63 mutable_face_min_height()	850
7.213.3.64 mutable_face_threshold()	850
7.213.3.65 mutable_return_media()	850
7.213.3.66 mutable_tracking_options()	850
7.213.3.67 New()	851
7.213.3.68 operator=() [1/2]	851
7.213.3.69 operator=() [2/2]	851
7.213.3.70 release_algorithm_id()	851
7.213.3.71 release_best()	851
7.213.3.72 release_body_min_height()	851
7.213.3.73 release_body_threshold()	851
7.213.3.74 release_debug()	852
7.213.3.75 release_detect_batch()	852
7.213.3.76 release_enable_metadata()	852
7.213.3.77 release_face_min_height()	852
7.213.3.78 release_face_threshold()	852
7.213.3.79 release_return_media()	852
7.213.3.80 release_tracking_options()	852
7.213.3.81 return_media()	852
7.213.3.82 set_allocated_algorithm_id()	853
7.213.3.83 set_allocated_best()	853
7.213.3.84 set_allocated_body_min_height()	853
7.213.3.85 set_allocated_body_threshold()	853
7.213.3.86 set_allocated_debug()	853
7.213.3.87 set_allocated_detect_batch()	853
7.213.3.88 set_allocated_enable_metadata()	853
7.213.3.89 set_allocated_face_min_height()	854
7.213.3.90 set_allocated_face_threshold()	854
7.213.3.91 set_allocated_return_media()	854
7.213.3.92 set_allocated_tracking_options()	854
7.213.3.93 set_modality()	854
7.213.3.94 Swap()	854
7.213.3.95 tracking_options()	854
7.213.3.96 unsafe_arena_release_algorithm_id()	855
7.213.3.97 unsafe_arena_release_best()	855
7.213.3.98 unsafe_arena_release_body_min_height()	855
7.213.3.99 unsafe_arena_release_body_threshold()	855
7.213.3.100 unsafe_arena_release_debug()	855
7.213.3.101 unsafe_arena_release_detect_batch()	855

7.213.3.102 unsafe_arena_release_enable_metadata()	855
7.213.3.103 unsafe_arena_release_face_min_height()	855
7.213.3.104 unsafe_arena_release_face_threshold()	856
7.213.3.105 unsafe_arena_release_return_media()	856
7.213.3.106 unsafe_arena_release_tracking_options()	856
7.213.3.107 unsafe_arena_set_allocated_algorithm_id()	856
7.213.3.108 unsafe_arena_set_allocated_best()	856
7.213.3.109 unsafe_arena_set_allocated_body_min_height()	856
7.213.3.110 unsafe_arena_set_allocated_body_threshold()	856
7.213.3.111 unsafe_arena_set_allocated_debug()	857
7.213.3.112 unsafe_arena_set_allocated_detect_batch()	857
7.213.3.113 unsafe_arena_set_allocated_enable_metadata()	857
7.213.3.114 unsafe_arena_set_allocated_face_min_height()	857
7.213.3.115 unsafe_arena_set_allocated_face_threshold()	857
7.213.3.116 unsafe_arena_set_allocated_return_media()	857
7.213.3.117 unsafe_arena_set_allocated_tracking_options()	857
7.213.3.118 UnsafeArenaSwap()	858
7.213.4 Friends And Related Function Documentation	858
7.213.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	858
7.213.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	858
7.213.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	858
7.213.4.4 swap	858
7.213.5 Member Data Documentation	858
7.213.5.1 _class_data_	858
7.213.5.2 kIndexInFileMessages	859
7.214 briar::DetectionOptionsDefaultTypeInternal Struct Reference	859
7.214.1 Constructor & Destructor Documentation	860
7.214.1.1 DetectionOptionsDefaultTypeInternal()	860
7.214.1.2 ~DetectionOptionsDefaultTypeInternal()	860
7.214.2 Member Data Documentation	860
7.214.2.1	860
7.214.2.2 _instance	860
7.215 briar::DetectReply Class Reference	861
7.215.1 Member Enumeration Documentation	863
7.215.1.1 anonymous enum	863
7.215.2 Constructor & Destructor Documentation	864
7.215.2.1 DetectReply() [1/5]	864
7.215.2.2 ~DetectReply()	864
7.215.2.3 DetectReply() [2/5]	864
7.215.2.4 DetectReply() [3/5]	864
7.215.2.5 DetectReply() [4/5]	864
7.215.2.6 DetectReply() [5/5]	865

7.215.3 Member Function Documentation	865
7.215.3.1 <code>_InternalParse()</code>	865
7.215.3.2 <code>_InternalSerialize()</code>	865
7.215.3.3 <code>add_detections()</code>	865
7.215.3.4 <code>ByteSizeLong()</code>	865
7.215.3.5 <code>Clear()</code>	865
7.215.3.6 <code>clear_detections()</code>	866
7.215.3.7 <code>clear_durations()</code>	866
7.215.3.8 <code>clear_errors()</code>	866
7.215.3.9 <code>clear_frame_id()</code>	866
7.215.3.10 <code>clear_modality()</code>	866
7.215.3.11 <code>clear_progress()</code>	866
7.215.3.12 <code>clear_progress_only_reply()</code>	866
7.215.3.13 <code>clear_reference_media()</code>	866
7.215.3.14 <code>CopyFrom()</code>	867
7.215.3.15 <code>default_instance()</code>	867
7.215.3.16 <code>descriptor()</code>	867
7.215.3.17 <code>detections()</code> [1/2]	867
7.215.3.18 <code>detections()</code> [2/2]	867
7.215.3.19 <code>detections_size()</code>	867
7.215.3.20 <code>durations()</code>	867
7.215.3.21 <code>errors()</code>	868
7.215.3.22 <code>frame_id()</code>	868
7.215.3.23 <code>GetCachedSize()</code>	868
7.215.3.24 <code>GetClassData()</code>	868
7.215.3.25 <code>GetDescriptor()</code>	868
7.215.3.26 <code>GetMetadata()</code>	868
7.215.3.27 <code>GetReflection()</code>	868
7.215.3.28 <code>has_durations()</code>	869
7.215.3.29 <code>has_errors()</code>	869
7.215.3.30 <code>has_progress()</code>	869
7.215.3.31 <code>has_reference_media()</code>	869
7.215.3.32 <code>internal_default_instance()</code>	869
7.215.3.33 <code>IsInitialized()</code>	869
7.215.3.34 <code>MergeFrom()</code>	869
7.215.3.35 <code>modality()</code>	870
7.215.3.36 <code>mutable_detections()</code> [1/2]	870
7.215.3.37 <code>mutable_detections()</code> [2/2]	870
7.215.3.38 <code>mutable_durations()</code>	870
7.215.3.39 <code>mutable_errors()</code>	870
7.215.3.40 <code>mutable_progress()</code>	870
7.215.3.41 <code>mutable_reference_media()</code>	870

7.215.3.42 New()	871
7.215.3.43 operator=() [1/2]	871
7.215.3.44 operator=() [2/2]	871
7.215.3.45 progress()	871
7.215.3.46 progress_only_reply()	871
7.215.3.47 reference_media()	871
7.215.3.48 release_durations()	871
7.215.3.49 release_errors()	872
7.215.3.50 release_progress()	872
7.215.3.51 release_reference_media()	872
7.215.3.52 set_allocated_durations()	872
7.215.3.53 set_allocated_errors()	872
7.215.3.54 set_allocated_progress()	872
7.215.3.55 set_allocated_reference_media()	872
7.215.3.56 set_frame_id()	873
7.215.3.57 set_modality()	873
7.215.3.58 set_progress_only_reply()	873
7.215.3.59 Swap()	873
7.215.3.60 unsafe_arena_release_durations()	873
7.215.3.61 unsafe_arena_release_errors()	873
7.215.3.62 unsafe_arena_release_progress()	873
7.215.3.63 unsafe_arena_release_reference_media()	874
7.215.3.64 unsafe_arena_set_allocated_durations()	874
7.215.3.65 unsafe_arena_set_allocated_errors()	874
7.215.3.66 unsafe_arena_set_allocated_progress()	874
7.215.3.67 unsafe_arena_set_allocated_reference_media()	874
7.215.3.68 UnsafeArenaSwap()	874
7.215.4 Friends And Related Function Documentation	874
7.215.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	875
7.215.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	875
7.215.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	875
7.215.4.4 swap	875
7.215.5 Member Data Documentation	875
7.215.5.1 _class_data	875
7.215.5.2 kIndexInFileMessages	875
7.216 briar::DetectReplyDefaultTypeInternal Struct Reference	876
7.216.1 Constructor & Destructor Documentation	876
7.216.1.1 DetectReplyDefaultTypeInternal()	876
7.216.1.2 ~DetectReplyDefaultTypeInternal()	877
7.216.2 Member Data Documentation	877
7.216.2.1	877
7.216.2.2 _instance	877

7.217 briar::DetectRequest Class Reference	877
7.217.1 Member Enumeration Documentation	880
7.217.1.1 anonymous enum	880
7.217.2 Constructor & Destructor Documentation	881
7.217.2.1 DetectRequest() [1/5]	881
7.217.2.2 ~DetectRequest()	881
7.217.2.3 DetectRequest() [2/5]	881
7.217.2.4 DetectRequest() [3/5]	881
7.217.2.5 DetectRequest() [4/5]	881
7.217.2.6 DetectRequest() [5/5]	881
7.217.3 Member Function Documentation	881
7.217.3.1 _InternalParse()	882
7.217.3.2 _InternalSerialize()	882
7.217.3.3 ByteSizeLong()	882
7.217.3.4 Clear()	882
7.217.3.5 clear_detect_options()	882
7.217.3.6 clear_durations()	882
7.217.3.7 clear_entry_name()	882
7.217.3.8 clear_entry_type()	883
7.217.3.9 clear_frame()	883
7.217.3.10 clear_media()	883
7.217.3.11 clear_media_id()	883
7.217.3.12 clear_subject_id()	883
7.217.3.13 CopyFrom()	883
7.217.3.14 default_instance()	883
7.217.3.15 descriptor()	884
7.217.3.16 detect_options()	884
7.217.3.17 durations()	884
7.217.3.18 entry_name()	884
7.217.3.19 entry_type()	884
7.217.3.20 frame()	884
7.217.3.21 GetCachedSize()	884
7.217.3.22 GetClassData()	885
7.217.3.23 GetDescriptor()	885
7.217.3.24 GetMetadata()	885
7.217.3.25 GetReflection()	885
7.217.3.26 has_detect_options()	885
7.217.3.27 has_durations()	885
7.217.3.28 has_media()	885
7.217.3.29 internal_default_instance()	886
7.217.3.30 IsInitialized()	886
7.217.3.31 media()	886

7.217.3.32 media_id()	886
7.217.3.33 MergeFrom()	886
7.217.3.34 mutable_detect_options()	886
7.217.3.35 mutable_durations()	886
7.217.3.36 mutable_entry_name()	887
7.217.3.37 mutable_media()	887
7.217.3.38 mutable_media_id()	887
7.217.3.39 mutable_subject_id()	887
7.217.3.40 New()	887
7.217.3.41 operator=() [1/2]	887
7.217.3.42 operator=() [2/2]	887
7.217.3.43 release_detect_options()	888
7.217.3.44 release_durations()	888
7.217.3.45 release_entry_name()	888
7.217.3.46 release_media()	888
7.217.3.47 release_media_id()	888
7.217.3.48 release_subject_id()	888
7.217.3.49 set_allocated_detect_options()	888
7.217.3.50 set_allocated_durations()	889
7.217.3.51 set_allocated_entry_name()	889
7.217.3.52 set_allocated_media()	889
7.217.3.53 set_allocated_media_id()	889
7.217.3.54 set_allocated_subject_id()	889
7.217.3.55 set_entry_name() [1/2]	889
7.217.3.56 set_entry_name() [2/2]	890
7.217.3.57 set_entry_type()	890
7.217.3.58 set_frame()	890
7.217.3.59 set_media_id() [1/2]	890
7.217.3.60 set_media_id() [2/2]	890
7.217.3.61 set_subject_id() [1/2]	890
7.217.3.62 set_subject_id() [2/2]	891
7.217.3.63 subject_id()	891
7.217.3.64 Swap()	891
7.217.3.65 unsafe_arena_release_detect_options()	891
7.217.3.66 unsafe_arena_release_durations()	891
7.217.3.67 unsafe_arena_release_media()	891
7.217.3.68 unsafe_arena_set_allocated_detect_options()	891
7.217.3.69 unsafe_arena_set_allocated_durations()	892
7.217.3.70 unsafe_arena_set_allocated_media()	892
7.217.3.71 UnsafeArenaSwap()	892
7.217.4 Friends And Related Function Documentation	892
7.217.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	892

7.217.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	892
7.217.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	892
7.217.4.4 swap	892
7.217.5 Member Data Documentation	893
7.217.5.1 _class_data_	893
7.217.5.2 kIndexInFileMessages	893
7.218 briar::DetectRequestDefaultTypeInternal Struct Reference	893
7.218.1 Constructor & Destructor Documentation	894
7.218.1.1 DetectRequestDefaultTypeInternal()	894
7.218.1.2 ~DetectRequestDefaultTypeInternal()	894
7.218.2 Member Data Documentation	894
7.218.2.1	894
7.218.2.2 _instance	894
7.219 briar::Empty Class Reference	895
7.219.1 Constructor & Destructor Documentation	896
7.219.1.1 Empty() [1/5]	896
7.219.1.2 Empty() [2/5]	896
7.219.1.3 Empty() [3/5]	896
7.219.1.4 Empty() [4/5]	897
7.219.1.5 Empty() [5/5]	897
7.219.2 Member Function Documentation	897
7.219.2.1 CopyFrom()	897
7.219.2.2 default_instance()	897
7.219.2.3 descriptor()	897
7.219.2.4 GetClassData()	897
7.219.2.5 GetDescriptor()	898
7.219.2.6 GetMetadata()	898
7.219.2.7 GetReflection()	898
7.219.2.8 internal_default_instance()	898
7.219.2.9 MergeFrom()	898
7.219.2.10 New()	898
7.219.2.11 operator=() [1/2]	898
7.219.2.12 operator=() [2/2]	899
7.219.2.13 Swap()	899
7.219.2.14 UnsafeArenaSwap()	899
7.219.3 Friends And Related Function Documentation	899
7.219.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	899
7.219.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	899
7.219.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	899
7.219.3.4 swap	899
7.219.4 Member Data Documentation	900
7.219.4.1 _class_data_	900

7.219.4.2 kIndexInFileMessages	900
7.220 briar::EmptyDefaultTypeInternal Struct Reference	900
7.220.1 Constructor & Destructor Documentation	901
7.220.1.1 EmptyDefaultTypeInternal()	901
7.220.1.2 ~EmptyDefaultTypeInternal()	901
7.220.2 Member Data Documentation	901
7.220.2.1	901
7.220.2.2 _instance	901
7.221 briar::EnhanceOptions Class Reference	902
7.221.1 Member Enumeration Documentation	904
7.221.1.1 anonymous enum	904
7.221.2 Constructor & Destructor Documentation	905
7.221.2.1 EnhanceOptions() [1/5]	905
7.221.2.2 ~EnhanceOptions()	905
7.221.2.3 EnhanceOptions() [2/5]	905
7.221.2.4 EnhanceOptions() [3/5]	905
7.221.2.5 EnhanceOptions() [4/5]	905
7.221.2.6 EnhanceOptions() [5/5]	905
7.221.3 Member Function Documentation	905
7.221.3.1 _InternalParse()	906
7.221.3.2 _InternalSerialize()	906
7.221.3.3 add_attributes()	906
7.221.3.4 algorithm_id()	906
7.221.3.5 attributes() [1/2]	906
7.221.3.6 attributes() [2/2]	906
7.221.3.7 attributes_size()	906
7.221.3.8 ByteSizeLong()	907
7.221.3.9 Clear()	907
7.221.3.10 clear_algorithm_id()	907
7.221.3.11 clear_attributes()	907
7.221.3.12 clear_cropped()	907
7.221.3.13 clear_enhance_batch()	907
7.221.3.14 clear_modality()	907
7.221.3.15 clear_return_media()	907
7.221.3.16 CopyFrom()	908
7.221.3.17 cropped()	908
7.221.3.18 default_instance()	908
7.221.3.19 descriptor()	908
7.221.3.20 enhance_batch()	908
7.221.3.21 GetCachedSize()	908
7.221.3.22 GetClassData()	908
7.221.3.23 GetDescriptor()	909

7.221.3.24 GetMetadata()	909
7.221.3.25 GetReflection()	909
7.221.3.26 has_algorithm_id()	909
7.221.3.27 has_enhance_batch()	909
7.221.3.28 has_return_media()	909
7.221.3.29 internal_default_instance()	909
7.221.3.30 IsInitialized()	910
7.221.3.31 MergeFrom()	910
7.221.3.32 modality()	910
7.221.3.33 mutable_algorithm_id()	910
7.221.3.34 mutable_attributes() [1/2]	910
7.221.3.35 mutable_attributes() [2/2]	910
7.221.3.36 mutable_enhance_batch()	910
7.221.3.37 mutable_return_media()	911
7.221.3.38 New()	911
7.221.3.39 operator=() [1/2]	911
7.221.3.40 operator=() [2/2]	911
7.221.3.41 release_algorithm_id()	911
7.221.3.42 release_enhance_batch()	911
7.221.3.43 release_return_media()	911
7.221.3.44 return_media()	912
7.221.3.45 set_allocated_algorithm_id()	912
7.221.3.46 set_allocated_enhance_batch()	912
7.221.3.47 set_allocated_return_media()	912
7.221.3.48 set_cropped()	912
7.221.3.49 set_modality()	912
7.221.3.50 Swap()	912
7.221.3.51 unsafe_arena_release_algorithm_id()	913
7.221.3.52 unsafe_arena_release_enhance_batch()	913
7.221.3.53 unsafe_arena_release_return_media()	913
7.221.3.54 unsafe_arena_set_allocated_algorithm_id()	913
7.221.3.55 unsafe_arena_set_allocated_enhance_batch()	913
7.221.3.56 unsafe_arena_set_allocated_return_media()	913
7.221.3.57 UnsafeArenaSwap()	913
7.221.4 Friends And Related Function Documentation	914
7.221.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	914
7.221.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	914
7.221.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	914
7.221.4.4 swap	914
7.221.5 Member Data Documentation	914
7.221.5.1 _class_data_	914
7.221.5.2 kIndexInFileMessages	915

7.222 briar::EnhanceOptionsDefaultTypeInternal Struct Reference	915
7.222.1 Constructor & Destructor Documentation	916
7.222.1.1 EnhanceOptionsDefaultTypeInternal()	916
7.222.1.2 ~EnhanceOptionsDefaultTypeInternal()	916
7.222.2 Member Data Documentation	916
7.222.2.1	916
7.222.2.2 _instance	916
7.223 briar::EnhanceReply Class Reference	917
7.223.1 Member Enumeration Documentation	919
7.223.1.1 anonymous enum	919
7.223.2 Constructor & Destructor Documentation	919
7.223.2.1 EnhanceReply() [1/5]	920
7.223.2.2 ~EnhanceReply()	920
7.223.2.3 EnhanceReply() [2/5]	920
7.223.2.4 EnhanceReply() [3/5]	920
7.223.2.5 EnhanceReply() [4/5]	920
7.223.2.6 EnhanceReply() [5/5]	920
7.223.3 Member Function Documentation	920
7.223.3.1 _InternalParse()	921
7.223.3.2 _InternalSerialize()	921
7.223.3.3 ByteSizeLong()	921
7.223.3.4 Clear()	921
7.223.3.5 clear_durations()	921
7.223.3.6 clear_errors()	921
7.223.3.7 clear_media()	921
7.223.3.8 clear_progress()	922
7.223.3.9 clear_progress_only_reply()	922
7.223.3.10 CopyFrom()	922
7.223.3.11 default_instance()	922
7.223.3.12 descriptor()	922
7.223.3.13 durations()	922
7.223.3.14 errors()	922
7.223.3.15 GetCachedSize()	923
7.223.3.16 GetClassData()	923
7.223.3.17 GetDescriptor()	923
7.223.3.18 GetMetadata()	923
7.223.3.19 GetReflection()	923
7.223.3.20 has_durations()	923
7.223.3.21 has_errors()	923
7.223.3.22 has_media()	924
7.223.3.23 has_progress()	924
7.223.3.24 internal_default_instance()	924

7.223.3.25 IsInitialized()	924
7.223.3.26 media()	924
7.223.3.27 MergeFrom()	924
7.223.3.28 mutable_durations()	924
7.223.3.29 mutable_errors()	925
7.223.3.30 mutable_media()	925
7.223.3.31 mutable_progress()	925
7.223.3.32 New()	925
7.223.3.33 operator=() [1/2]	925
7.223.3.34 operator=() [2/2]	925
7.223.3.35 progress()	925
7.223.3.36 progress_only_reply()	926
7.223.3.37 release_durations()	926
7.223.3.38 release_errors()	926
7.223.3.39 release_media()	926
7.223.3.40 release_progress()	926
7.223.3.41 set_allocated_durations()	926
7.223.3.42 set_allocated_errors()	926
7.223.3.43 set_allocated_media()	927
7.223.3.44 set_allocated_progress()	927
7.223.3.45 set_progress_only_reply()	927
7.223.3.46 Swap()	927
7.223.3.47 unsafe_arena_release_durations()	927
7.223.3.48 unsafe_arena_release_errors()	927
7.223.3.49 unsafe_arena_release_media()	927
7.223.3.50 unsafe_arena_release_progress()	928
7.223.3.51 unsafe_arena_set_allocated_durations()	928
7.223.3.52 unsafe_arena_set_allocated_errors()	928
7.223.3.53 unsafe_arena_set_allocated_media()	928
7.223.3.54 unsafe_arena_set_allocated_progress()	928
7.223.3.55 UnsafeArenaSwap()	928
7.223.4 Friends And Related Function Documentation	928
7.223.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	929
7.223.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	929
7.223.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	929
7.223.4.4 swap	929
7.223.5 Member Data Documentation	929
7.223.5.1 _class_data_	929
7.223.5.2 kIndexInFileMessages	929
7.224 briar::EnhanceReplyDefaultTypeInternal Struct Reference	930
7.224.1 Constructor & Destructor Documentation	930
7.224.1.1 EnhanceReplyDefaultTypeInternal()	930

7.224.1.2 ~EnhanceReplyDefaultTypeInternal()	931
7.224.2 Member Data Documentation	931
7.224.2.1	931
7.224.2.2 _instance	931
7.225 briar::EnhanceRequest Class Reference	931
7.225.1 Member Enumeration Documentation	934
7.225.1.1 anonymous enum	934
7.225.2 Constructor & Destructor Documentation	934
7.225.2.1 EnhanceRequest() [1/5]	934
7.225.2.2 ~EnhanceRequest()	934
7.225.2.3 EnhanceRequest() [2/5]	935
7.225.2.4 EnhanceRequest() [3/5]	935
7.225.2.5 EnhanceRequest() [4/5]	935
7.225.2.6 EnhanceRequest() [5/5]	935
7.225.3 Member Function Documentation	935
7.225.3.1 _InternalParse()	935
7.225.3.2 _InternalSerialize()	935
7.225.3.3 add_metadata()	936
7.225.3.4 add_options()	936
7.225.3.5 ByteSizeLong()	936
7.225.3.6 Clear()	936
7.225.3.7 clear_durations()	936
7.225.3.8 clear_enhance_options()	936
7.225.3.9 clear_frame_id()	936
7.225.3.10 clear_media()	936
7.225.3.11 clear_metadata()	937
7.225.3.12 clear_options()	937
7.225.3.13 CopyFrom()	937
7.225.3.14 default_instance()	937
7.225.3.15 descriptor()	937
7.225.3.16 durations()	937
7.225.3.17 enhance_options()	937
7.225.3.18 frame_id()	938
7.225.3.19 GetCachedSize()	938
7.225.3.20 GetClassData()	938
7.225.3.21 GetDescriptor()	938
7.225.3.22 GetMetadata()	938
7.225.3.23 GetReflection()	938
7.225.3.24 has_durations()	938
7.225.3.25 has_enhance_options()	939
7.225.3.26 has_media()	939
7.225.3.27 internal_default_instance()	939

7.225.3.28 IsInitialized()	939
7.225.3.29 media()	939
7.225.3.30 MergeFrom()	939
7.225.3.31 metadata() [1/2]	939
7.225.3.32 metadata() [2/2]	940
7.225.3.33 metadata_size()	940
7.225.3.34 mutable_durations()	940
7.225.3.35 mutable_enhance_options()	940
7.225.3.36 mutable_media()	940
7.225.3.37 mutable_metadata() [1/2]	940
7.225.3.38 mutable_metadata() [2/2]	940
7.225.3.39 mutable_options() [1/2]	941
7.225.3.40 mutable_options() [2/2]	941
7.225.3.41 New()	941
7.225.3.42 operator=() [1/2]	941
7.225.3.43 operator=() [2/2]	941
7.225.3.44 options() [1/2]	941
7.225.3.45 options() [2/2]	941
7.225.3.46 options_size()	942
7.225.3.47 release_durations()	942
7.225.3.48 release_enhance_options()	942
7.225.3.49 release_media()	942
7.225.3.50 set_allocated_durations()	942
7.225.3.51 set_allocated_enhance_options()	942
7.225.3.52 set_allocated_media()	942
7.225.3.53 set_frame_id()	943
7.225.3.54 Swap()	943
7.225.3.55 unsafe_arena_release_durations()	943
7.225.3.56 unsafe_arena_release_enhance_options()	943
7.225.3.57 unsafe_arena_release_media()	943
7.225.3.58 unsafe_arena_set_allocated_durations()	943
7.225.3.59 unsafe_arena_set_allocated_enhance_options()	943
7.225.3.60 unsafe_arena_set_allocated_media()	944
7.225.3.61 UnsafeArenaSwap()	944
7.225.4 Friends And Related Function Documentation	944
7.225.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	944
7.225.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	944
7.225.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	944
7.225.4.4 swap	944
7.225.5 Member Data Documentation	944
7.225.5.1 _class_data_	945
7.225.5.2 kIndexInFileMessages	945

7.226 briar::EnhanceRequestDefaultTypeInternal Struct Reference	945
7.226.1 Constructor & Destructor Documentation	946
7.226.1.1 EnhanceRequestDefaultTypeInternal()	946
7.226.1.2 ~EnhanceRequestDefaultTypeInternal()	946
7.226.2 Member Data Documentation	946
7.226.2.1	946
7.226.2.2 _instance	946
7.227 briar::EnrollCustomRequest Class Reference	947
7.227.1 Member Enumeration Documentation	950
7.227.1.1 anonymous enum	950
7.227.2 Constructor & Destructor Documentation	950
7.227.2.1 EnrollCustomRequest() [1/5]	950
7.227.2.2 ~EnrollCustomRequest()	950
7.227.2.3 EnrollCustomRequest() [2/5]	950
7.227.2.4 EnrollCustomRequest() [3/5]	950
7.227.2.5 EnrollCustomRequest() [4/5]	951
7.227.2.6 EnrollCustomRequest() [5/5]	951
7.227.3 Member Function Documentation	951
7.227.3.1 _InternalParse()	951
7.227.3.2 _InternalSerialize()	951
7.227.3.3 ByteSizeLong()	951
7.227.3.4 Clear()	951
7.227.3.5 clear_database()	952
7.227.3.6 clear_detect_options()	952
7.227.3.7 clear_durations()	952
7.227.3.8 clear_enroll_options()	952
7.227.3.9 clear_extract_options()	952
7.227.3.10 clear_sigset_encoded()	952
7.227.3.11 clear_sigset_name()	952
7.227.3.12 CopyFrom()	952
7.227.3.13 database()	953
7.227.3.14 default_instance()	953
7.227.3.15 descriptor()	953
7.227.3.16 detect_options()	953
7.227.3.17 durations()	953
7.227.3.18 enroll_options()	953
7.227.3.19 extract_options()	953
7.227.3.20 GetCachedSize()	954
7.227.3.21 GetClassData()	954
7.227.3.22 GetDescriptor()	954
7.227.3.23 GetMetadata()	954
7.227.3.24 GetReflection()	954

7.227.3.25 has_database()	954
7.227.3.26 has_detect_options()	954
7.227.3.27 has_durations()	955
7.227.3.28 has_enroll_options()	955
7.227.3.29 has_extract_options()	955
7.227.3.30 internal_default_instance()	955
7.227.3.31 IsInitialized()	955
7.227.3.32 MergeFrom()	955
7.227.3.33 mutable_database()	955
7.227.3.34 mutable_detect_options()	956
7.227.3.35 mutable_durations()	956
7.227.3.36 mutable_enroll_options()	956
7.227.3.37 mutable_extract_options()	956
7.227.3.38 mutable_sigset_encoded()	956
7.227.3.39 mutable_sigset_name()	956
7.227.3.40 New()	956
7.227.3.41 operator=() [1/2]	957
7.227.3.42 operator=() [2/2]	957
7.227.3.43 release_database()	957
7.227.3.44 release_detect_options()	957
7.227.3.45 release_durations()	957
7.227.3.46 release_enroll_options()	957
7.227.3.47 release_extract_options()	957
7.227.3.48 release_sigset_encoded()	958
7.227.3.49 release_sigset_name()	958
7.227.3.50 set_allocated_database()	958
7.227.3.51 set_allocated_detect_options()	958
7.227.3.52 set_allocated_durations()	958
7.227.3.53 set_allocated_enroll_options()	958
7.227.3.54 set_allocated_extract_options()	958
7.227.3.55 set_allocated_sigset_encoded()	959
7.227.3.56 set_allocated_sigset_name()	959
7.227.3.57 set_sigset_encoded() [1/2]	959
7.227.3.58 set_sigset_encoded() [2/2]	959
7.227.3.59 set_sigset_name() [1/2]	959
7.227.3.60 set_sigset_name() [2/2]	959
7.227.3.61 sigset_encoded()	960
7.227.3.62 sigset_name()	960
7.227.3.63 Swap()	960
7.227.3.64 unsafe_arena_release_database()	960
7.227.3.65 unsafe_arena_release_detect_options()	960
7.227.3.66 unsafe_arena_release_durations()	960

7.227.3.67 unsafe_arena_release_enroll_options()	960
7.227.3.68 unsafe_arena_release_extract_options()	961
7.227.3.69 unsafe_arena_set_allocated_database()	961
7.227.3.70 unsafe_arena_set_allocated_detect_options()	961
7.227.3.71 unsafe_arena_set_allocated_durations()	961
7.227.3.72 unsafe_arena_set_allocated_enroll_options()	961
7.227.3.73 unsafe_arena_set_allocated_extract_options()	961
7.227.3.74 UnsafeArenaSwap()	961
7.227.4 Friends And Related Function Documentation	962
7.227.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	962
7.227.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	962
7.227.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	962
7.227.4.4 swap	962
7.227.5 Member Data Documentation	962
7.227.5.1 _class_data_	962
7.227.5.2 kIndexInFileMessages	963
7.228 briar::EnrollCustomRequestDefaultTypeInternal Struct Reference	963
7.228.1 Constructor & Destructor Documentation	964
7.228.1.1 EnrollCustomRequestDefaultTypeInternal()	964
7.228.1.2 ~EnrollCustomRequestDefaultTypeInternal()	964
7.228.2 Member Data Documentation	964
7.228.2.1	964
7.228.2.2 _instance	964
7.229 briar::EnrollmentInfo Class Reference	965
7.229.1 Member Enumeration Documentation	968
7.229.1.1 anonymous enum	968
7.229.2 Constructor & Destructor Documentation	968
7.229.2.1 EnrollmentInfo() [1/5]	968
7.229.2.2 ~EnrollmentInfo()	968
7.229.2.3 EnrollmentInfo() [2/5]	968
7.229.2.4 EnrollmentInfo() [3/5]	968
7.229.2.5 EnrollmentInfo() [4/5]	969
7.229.2.6 EnrollmentInfo() [5/5]	969
7.229.3 Member Function Documentation	969
7.229.3.1 _InternalParse()	969
7.229.3.2 _InternalSerialize()	969
7.229.3.3 add_attributes()	969
7.229.3.4 attributes() [1/2]	969
7.229.3.5 attributes() [2/2]	970
7.229.3.6 attributes_size()	970
7.229.3.7 ByteSizeLong()	970
7.229.3.8 Clear()	970

7.229.3.9 clear_attributes()	970
7.229.3.10 clear_database_id()	970
7.229.3.11 clear_media_id()	970
7.229.3.12 clear_name()	971
7.229.3.13 clear_source()	971
7.229.3.14 clear_subject_id()	971
7.229.3.15 clear_type()	971
7.229.3.16 CopyFrom()	971
7.229.3.17 database_id()	971
7.229.3.18 default_instance()	971
7.229.3.19 descriptor()	972
7.229.3.20 GetCachedSize()	972
7.229.3.21 GetClassData()	972
7.229.3.22 GetDescriptor()	972
7.229.3.23 GetMetadata()	972
7.229.3.24 GetReflection()	972
7.229.3.25 internal_default_instance()	972
7.229.3.26 IsInitialized()	973
7.229.3.27 media_id()	973
7.229.3.28 MergeFrom()	973
7.229.3.29 mutable_attributes() [1/2]	973
7.229.3.30 mutable_attributes() [2/2]	973
7.229.3.31 mutable_database_id()	973
7.229.3.32 mutable_media_id()	973
7.229.3.33 mutable_name()	974
7.229.3.34 mutable_source()	974
7.229.3.35 mutable_subject_id()	974
7.229.3.36 name()	974
7.229.3.37 New()	974
7.229.3.38 operator=() [1/2]	974
7.229.3.39 operator=() [2/2]	974
7.229.3.40 release_database_id()	975
7.229.3.41 release_media_id()	975
7.229.3.42 release_name()	975
7.229.3.43 release_source()	975
7.229.3.44 release_subject_id()	975
7.229.3.45 set_allocated_database_id()	975
7.229.3.46 set_allocated_media_id()	975
7.229.3.47 set_allocated_name()	976
7.229.3.48 set_allocated_source()	976
7.229.3.49 set_allocated_subject_id()	976
7.229.3.50 set_database_id() [1/2]	976

7.229.3.51 set_database_id() [2/2]	976
7.229.3.52 set_media_id() [1/2]	976
7.229.3.53 set_media_id() [2/2]	977
7.229.3.54 set_name() [1/2]	977
7.229.3.55 set_name() [2/2]	977
7.229.3.56 set_source() [1/2]	977
7.229.3.57 set_source() [2/2]	977
7.229.3.58 set_subject_id() [1/2]	977
7.229.3.59 set_subject_id() [2/2]	978
7.229.3.60 set_type()	978
7.229.3.61 source()	978
7.229.3.62 subject_id()	978
7.229.3.63 Swap()	978
7.229.3.64 type()	978
7.229.3.65 UnsafeArenaSwap()	978
7.229.4 Friends And Related Function Documentation	979
7.229.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	979
7.229.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	979
7.229.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	979
7.229.4.4 swap	979
7.229.5 Member Data Documentation	979
7.229.5.1 _class_data_	979
7.229.5.2 kIndexInFileMessages	980
7.230 briar::EnrollmentInfoDefaultTypeInternal Struct Reference	980
7.230.1 Constructor & Destructor Documentation	981
7.230.1.1 EnrollmentInfoDefaultTypeInternal()	981
7.230.1.2 ~EnrollmentInfoDefaultTypeInternal()	981
7.230.2 Member Data Documentation	981
7.230.2.1	981
7.230.2.2 _instance	981
7.231 briar::EnrollOptions Class Reference	982
7.231.1 Member Enumeration Documentation	985
7.231.1.1 anonymous enum	986
7.231.2 Constructor & Destructor Documentation	986
7.231.2.1 EnrollOptions() [1/5]	986
7.231.2.2 ~EnrollOptions()	986
7.231.2.3 EnrollOptions() [2/5]	986
7.231.2.4 EnrollOptions() [3/5]	987
7.231.2.5 EnrollOptions() [4/5]	987
7.231.2.6 EnrollOptions() [5/5]	987
7.231.3 Member Function Documentation	987
7.231.3.1 _InternalParse()	987

7.231.3.2 _InternalSerialize()	987
7.231.3.3 add_attributes()	987
7.231.3.4 add_subject_ids() [1/5]	988
7.231.3.5 add_subject_ids() [2/5]	988
7.231.3.6 add_subject_ids() [3/5]	988
7.231.3.7 add_subject_ids() [4/5]	988
7.231.3.8 add_subject_ids() [5/5]	988
7.231.3.9 attributes() [1/2]	988
7.231.3.10 attributes() [2/2]	988
7.231.3.11 attributes_size()	989
7.231.3.12 ByteSizeLong()	989
7.231.3.13 Clear()	989
7.231.3.14 clear_attributes()	989
7.231.3.15 clear_debug()	989
7.231.3.16 clear_enroll_batch()	989
7.231.3.17 clear_enroll_flag()	989
7.231.3.18 clear_entry_type()	989
7.231.3.19 clear_media_id()	990
7.231.3.20 clear_modality()	990
7.231.3.21 clear_return_media()	990
7.231.3.22 clear_save_metadata()	990
7.231.3.23 clear_store_media()	990
7.231.3.24 clear_subject_id_integer()	990
7.231.3.25 clear_subject_ids()	990
7.231.3.26 clear_use_subject_integer_id()	990
7.231.3.27 CopyFrom()	991
7.231.3.28 debug()	991
7.231.3.29 default_instance()	991
7.231.3.30 descriptor()	991
7.231.3.31 enroll_batch()	991
7.231.3.32 enroll_flag()	991
7.231.3.33 entry_type()	991
7.231.3.34 GetCachedSize()	992
7.231.3.35 GetClassData()	992
7.231.3.36 GetDescriptor()	992
7.231.3.37 GetMetadata()	992
7.231.3.38 GetReflection()	992
7.231.3.39 has_debug()	992
7.231.3.40 has_enroll_batch()	992
7.231.3.41 has_return_media()	993
7.231.3.42 has_save_metadata()	993
7.231.3.43 has_store_media()	993

7.231.3.44 has_subject_id_integer()	993
7.231.3.45 has_use_subject_integer_id()	993
7.231.3.46 internal_default_instance()	993
7.231.3.47 IsInitialized()	993
7.231.3.48 media_id()	994
7.231.3.49 MergeFrom()	994
7.231.3.50 modality()	994
7.231.3.51 mutable_attributes() [1/2]	994
7.231.3.52 mutable_attributes() [2/2]	994
7.231.3.53 mutable_debug()	994
7.231.3.54 mutable_enroll_batch()	994
7.231.3.55 mutable_media_id()	995
7.231.3.56 mutable_return_media()	995
7.231.3.57 mutable_save_metadata()	995
7.231.3.58 mutable_store_media()	995
7.231.3.59 mutable_subject_id_integer()	995
7.231.3.60 mutable_subject_ids() [1/2]	995
7.231.3.61 mutable_subject_ids() [2/2]	995
7.231.3.62 mutable_use_subject_integer_id()	996
7.231.3.63 New()	996
7.231.3.64 operator=() [1/2]	996
7.231.3.65 operator=() [2/2]	996
7.231.3.66 release_debug()	996
7.231.3.67 release_enroll_batch()	996
7.231.3.68 release_media_id()	996
7.231.3.69 release_return_media()	997
7.231.3.70 release_save_metadata()	997
7.231.3.71 release_store_media()	997
7.231.3.72 release_subject_id_integer()	997
7.231.3.73 release_use_subject_integer_id()	997
7.231.3.74 return_media()	997
7.231.3.75 save_metadata()	997
7.231.3.76 set_allocated_debug()	997
7.231.3.77 set_allocated_enroll_batch()	998
7.231.3.78 set_allocated_media_id()	998
7.231.3.79 set_allocated_return_media()	998
7.231.3.80 set_allocated_save_metadata()	998
7.231.3.81 set_allocated_store_media()	998
7.231.3.82 set_allocated_subject_id_integer()	998
7.231.3.83 set_allocated_use_subject_integer_id()	998
7.231.3.84 set_enroll_flag()	999
7.231.3.85 set_entry_type()	999

7.231.3.86 set_media_id() [1/2]	999
7.231.3.87 set_media_id() [2/2]	999
7.231.3.88 set_modality()	999
7.231.3.89 set_subject_ids() [1/4]	999
7.231.3.90 set_subject_ids() [2/4]	1000
7.231.3.91 set_subject_ids() [3/4]	1000
7.231.3.92 set_subject_ids() [4/4]	1000
7.231.3.93 store_media()	1000
7.231.3.94 subject_id_integer()	1000
7.231.3.95 subject_ids() [1/2]	1000
7.231.3.96 subject_ids() [2/2]	1000
7.231.3.97 subject_ids_size()	1001
7.231.3.98 Swap()	1001
7.231.3.99 unsafe_arena_release_debug()	1001
7.231.3.100 unsafe_arena_release_enroll_batch()	1001
7.231.3.101 unsafe_arena_release_return_media()	1001
7.231.3.102 unsafe_arena_release_save_metadata()	1001
7.231.3.103 unsafe_arena_release_store_media()	1001
7.231.3.104 unsafe_arena_release_subject_id_integer()	1002
7.231.3.105 unsafe_arena_release_use_subject_integer_id()	1002
7.231.3.106 unsafe_arena_set_allocated_debug()	1002
7.231.3.107 unsafe_arena_set_allocated_enroll_batch()	1002
7.231.3.108 unsafe_arena_set_allocated_return_media()	1002
7.231.3.109 unsafe_arena_set_allocated_save_metadata()	1002
7.231.3.110 unsafe_arena_set_allocated_store_media()	1002
7.231.3.111 unsafe_arena_set_allocated_subject_id_integer()	1003
7.231.3.112 unsafe_arena_set_allocated_use_subject_integer_id()	1003
7.231.3.113 UnsafeArenaSwap()	1003
7.231.3.114 use_subject_integer_id()	1003
7.231.4 Friends And Related Function Documentation	1003
7.231.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1003
7.231.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1003
7.231.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1003
7.231.4.4 swap	1004
7.231.5 Member Data Documentation	1004
7.231.5.1 _class_data_	1004
7.231.5.2 kIndexInFileMessages	1004
7.232 briar::EnrollOptionsDefaultTypeInternal Struct Reference	1004
7.232.1 Constructor & Destructor Documentation	1005
7.232.1.1 EnrollOptionsDefaultTypeInternal()	1005
7.232.1.2 ~EnrollOptionsDefaultTypeInternal()	1005
7.232.2 Member Data Documentation	1005

7.232.2.1	1005
7.232.2.2 _instance	1005
7.233 briar::EnrollReply Class Reference	1006
7.233.1 Member Enumeration Documentation	1009
7.233.1.1 anonymous enum	1009
7.233.2 Constructor & Destructor Documentation	1009
7.233.2.1 EnrollReply() [1/5]	1009
7.233.2.2 ~EnrollReply()	1009
7.233.2.3 EnrollReply() [2/5]	1010
7.233.2.4 EnrollReply() [3/5]	1010
7.233.2.5 EnrollReply() [4/5]	1010
7.233.2.6 EnrollReply() [5/5]	1010
7.233.3 Member Function Documentation	1010
7.233.3.1 _InternalParse()	1010
7.233.3.2 _InternalSerialize()	1010
7.233.3.3 add_detections()	1011
7.233.3.4 add_enrollments()	1011
7.233.3.5 ByteSizeLong()	1011
7.233.3.6 Clear()	1011
7.233.3.7 clear_detect_reply()	1011
7.233.3.8 clear_detections()	1011
7.233.3.9 clear_durations()	1011
7.233.3.10 clear_enrollments()	1011
7.233.3.11 clear_errors()	1012
7.233.3.12 clear_extract_reply()	1012
7.233.3.13 clear_frame_id()	1012
7.233.3.14 clear_progress()	1012
7.233.3.15 clear_progress_only_reply()	1012
7.233.3.16 clear_track_reply()	1012
7.233.3.17 CopyFrom()	1012
7.233.3.18 default_instance()	1013
7.233.3.19 descriptor()	1013
7.233.3.20 detect_reply()	1013
7.233.3.21 detections() [1/2]	1013
7.233.3.22 detections() [2/2]	1013
7.233.3.23 detections_size()	1013
7.233.3.24 durations()	1013
7.233.3.25 enrollments() [1/2]	1014
7.233.3.26 enrollments() [2/2]	1014
7.233.3.27 enrollments_size()	1014
7.233.3.28 errors()	1014
7.233.3.29 extract_reply()	1014

7.233.3.30 frame_id()	1014
7.233.3.31 GetCachedSize()	1014
7.233.3.32 GetClassData()	1015
7.233.3.33 GetDescriptor()	1015
7.233.3.34 GetMetadata()	1015
7.233.3.35 GetReflection()	1015
7.233.3.36 has_detect_reply()	1015
7.233.3.37 has_durations()	1015
7.233.3.38 has_errors()	1015
7.233.3.39 has_extract_reply()	1016
7.233.3.40 has_progress()	1016
7.233.3.41 has_track_reply()	1016
7.233.3.42 internal_default_instance()	1016
7.233.3.43 IsInitialized()	1016
7.233.3.44 MergeFrom()	1016
7.233.3.45 mutable_detect_reply()	1016
7.233.3.46 mutable_detections() [1/2]	1017
7.233.3.47 mutable_detections() [2/2]	1017
7.233.3.48 mutable_durations()	1017
7.233.3.49 mutable_enrollments() [1/2]	1017
7.233.3.50 mutable_enrollments() [2/2]	1017
7.233.3.51 mutable_errors()	1017
7.233.3.52 mutable_extract_reply()	1017
7.233.3.53 mutable_progress()	1018
7.233.3.54 mutable_track_reply()	1018
7.233.3.55 New()	1018
7.233.3.56 operator=() [1/2]	1018
7.233.3.57 operator=() [2/2]	1018
7.233.3.58 progress()	1018
7.233.3.59 progress_only_reply()	1018
7.233.3.60 release_detect_reply()	1019
7.233.3.61 release_durations()	1019
7.233.3.62 release_errors()	1019
7.233.3.63 release_extract_reply()	1019
7.233.3.64 release_progress()	1019
7.233.3.65 release_track_reply()	1019
7.233.3.66 set_allocated_detect_reply()	1019
7.233.3.67 set_allocated_durations()	1020
7.233.3.68 set_allocated_errors()	1020
7.233.3.69 set_allocated_extract_reply()	1020
7.233.3.70 set_allocated_progress()	1020
7.233.3.71 set_allocated_track_reply()	1020

7.233.3.72 set_frame_id()	1020
7.233.3.73 set_progress_only_reply()	1020
7.233.3.74 Swap()	1021
7.233.3.75 track_reply()	1021
7.233.3.76 unsafe_arena_release_detect_reply()	1021
7.233.3.77 unsafe_arena_release_durations()	1021
7.233.3.78 unsafe_arena_release_errors()	1021
7.233.3.79 unsafe_arena_release_extract_reply()	1021
7.233.3.80 unsafe_arena_release_progress()	1021
7.233.3.81 unsafe_arena_release_track_reply()	1022
7.233.3.82 unsafe_arena_set_allocated_detect_reply()	1022
7.233.3.83 unsafe_arena_set_allocated_durations()	1022
7.233.3.84 unsafe_arena_set_allocated_errors()	1022
7.233.3.85 unsafe_arena_set_allocated_extract_reply()	1022
7.233.3.86 unsafe_arena_set_allocated_progress()	1022
7.233.3.87 unsafe_arena_set_allocated_track_reply()	1022
7.233.3.88 UnsafeArenaSwap()	1023
7.233.4 Friends And Related Function Documentation	1023
7.233.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1023
7.233.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1023
7.233.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1023
7.233.4.4 swap	1023
7.233.5 Member Data Documentation	1023
7.233.5.1 _class_data_	1023
7.233.5.2 kIndexInFileMessages	1024
7.234 briar::EnrollReplyDefaultTypeInternal Struct Reference	1024
7.234.1 Constructor & Destructor Documentation	1025
7.234.1.1 EnrollReplyDefaultTypeInternal()	1025
7.234.1.2 ~EnrollReplyDefaultTypeInternal()	1025
7.234.2 Member Data Documentation	1025
7.234.2.1	1025
7.234.2.2 _instance	1025
7.235 briar::EnrollRequest Class Reference	1026
7.235.1 Member Enumeration Documentation	1030
7.235.1.1 anonymous enum	1030
7.235.2 Constructor & Destructor Documentation	1030
7.235.2.1 EnrollRequest() [1/5]	1030
7.235.2.2 ~EnrollRequest()	1030
7.235.2.3 EnrollRequest() [2/5]	1030
7.235.2.4 EnrollRequest() [3/5]	1031
7.235.2.5 EnrollRequest() [4/5]	1031
7.235.2.6 EnrollRequest() [5/5]	1031

7.235.3 Member Function Documentation	1031
7.235.3.1 <code>_InternalParse()</code>	1031
7.235.3.2 <code>_InternalSerialize()</code>	1031
7.235.3.3 <code>add_detections()</code>	1031
7.235.3.4 <code>add_subject_ids()</code> [1/5]	1032
7.235.3.5 <code>add_subject_ids()</code> [2/5]	1032
7.235.3.6 <code>add_subject_ids()</code> [3/5]	1032
7.235.3.7 <code>add_subject_ids()</code> [4/5]	1032
7.235.3.8 <code>add_subject_ids()</code> [5/5]	1032
7.235.3.9 <code>add_tracks()</code>	1032
7.235.3.10 <code>ByteSizeLong()</code>	1032
7.235.3.11 <code>Clear()</code>	1033
7.235.3.12 <code>clear_database()</code>	1033
7.235.3.13 <code>clear_detect_options()</code>	1033
7.235.3.14 <code>clear_detections()</code>	1033
7.235.3.15 <code>clear_durations()</code>	1033
7.235.3.16 <code>clear_enroll_flag()</code>	1033
7.235.3.17 <code>clear_enroll_options()</code>	1033
7.235.3.18 <code>clear_extract_options()</code>	1033
7.235.3.19 <code>clear_frame()</code>	1034
7.235.3.20 <code>clear_media()</code>	1034
7.235.3.21 <code>clear_media_id()</code>	1034
7.235.3.22 <code>clear_record()</code>	1034
7.235.3.23 <code>clear_subject_id_integer()</code>	1034
7.235.3.24 <code>clear_subject_ids()</code>	1034
7.235.3.25 <code>clear_template_()</code>	1034
7.235.3.26 <code>clear_tracks()</code>	1034
7.235.3.27 <code>CopyFrom()</code>	1035
7.235.3.28 <code>database()</code>	1035
7.235.3.29 <code>default_instance()</code>	1035
7.235.3.30 <code>descriptor()</code>	1035
7.235.3.31 <code>detect_options()</code>	1035
7.235.3.32 <code>detections()</code> [1/2]	1035
7.235.3.33 <code>detections()</code> [2/2]	1035
7.235.3.34 <code>detections_size()</code>	1036
7.235.3.35 <code>durations()</code>	1036
7.235.3.36 <code>enroll_flag()</code>	1036
7.235.3.37 <code>enroll_options()</code>	1036
7.235.3.38 <code>extract_options()</code>	1036
7.235.3.39 <code>frame()</code>	1036
7.235.3.40 <code>GetCachedSize()</code>	1036
7.235.3.41 <code>GetClassData()</code>	1036

7.235.3.42 GetDescriptor()	1037
7.235.3.43 GetMetadata()	1037
7.235.3.44 GetReflection()	1037
7.235.3.45 has_database()	1037
7.235.3.46 has_detect_options()	1037
7.235.3.47 has_durations()	1037
7.235.3.48 has_enroll_options()	1037
7.235.3.49 has_extract_options()	1038
7.235.3.50 has_media()	1038
7.235.3.51 has_record()	1038
7.235.3.52 has_template_()	1038
7.235.3.53 internal_default_instance()	1038
7.235.3.54 IsInitialized()	1038
7.235.3.55 media()	1038
7.235.3.56 media_id()	1039
7.235.3.57 MergeFrom()	1039
7.235.3.58 mutable_database()	1039
7.235.3.59 mutable_detect_options()	1039
7.235.3.60 mutable_detections() [1/2]	1039
7.235.3.61 mutable_detections() [2/2]	1039
7.235.3.62 mutable_durations()	1039
7.235.3.63 mutable_enroll_options()	1040
7.235.3.64 mutable_extract_options()	1040
7.235.3.65 mutable_media()	1040
7.235.3.66 mutable_media_id()	1040
7.235.3.67 mutable_record()	1040
7.235.3.68 mutable_subject_ids() [1/2]	1040
7.235.3.69 mutable_subject_ids() [2/2]	1040
7.235.3.70 mutable_template_()	1041
7.235.3.71 mutable_tracks() [1/2]	1041
7.235.3.72 mutable_tracks() [2/2]	1041
7.235.3.73 New()	1041
7.235.3.74 operator=() [1/2]	1041
7.235.3.75 operator=() [2/2]	1041
7.235.3.76 record()	1041
7.235.3.77 release_database()	1042
7.235.3.78 release_detect_options()	1042
7.235.3.79 release_durations()	1042
7.235.3.80 release_enroll_options()	1042
7.235.3.81 release_extract_options()	1042
7.235.3.82 release_media()	1042
7.235.3.83 release_media_id()	1042

7.235.3.84 release_record()	1042
7.235.3.85 release_template_()	1043
7.235.3.86 set_allocated_database()	1043
7.235.3.87 set_allocated_detect_options()	1043
7.235.3.88 set_allocated_durations()	1043
7.235.3.89 set_allocated_enroll_options()	1043
7.235.3.90 set_allocated_extract_options()	1043
7.235.3.91 set_allocated_media()	1043
7.235.3.92 set_allocated_media_id()	1044
7.235.3.93 set_allocated_record()	1044
7.235.3.94 set_allocated_template_()	1044
7.235.3.95 set_enroll_flag()	1044
7.235.3.96 set_frame()	1044
7.235.3.97 set_media_id() [1/2]	1044
7.235.3.98 set_media_id() [2/2]	1045
7.235.3.99 set_subject_id_integer()	1045
7.235.3.100 set_subject_ids() [1/4]	1045
7.235.3.101 set_subject_ids() [2/4]	1045
7.235.3.102 set_subject_ids() [3/4]	1045
7.235.3.103 set_subject_ids() [4/4]	1045
7.235.3.104 subject_id_integer()	1046
7.235.3.105 subject_ids() [1/2]	1046
7.235.3.106 subject_ids() [2/2]	1046
7.235.3.107 subject_ids_size()	1046
7.235.3.108 Swap()	1046
7.235.3.109 template_()	1046
7.235.3.110 tracks() [1/2]	1046
7.235.3.111 tracks() [2/2]	1047
7.235.3.112 tracks_size()	1047
7.235.3.113 unsafe_arena_release_database()	1047
7.235.3.114 unsafe_arena_release_detect_options()	1047
7.235.3.115 unsafe_arena_release_durations()	1047
7.235.3.116 unsafe_arena_release_enroll_options()	1047
7.235.3.117 unsafe_arena_release_extract_options()	1047
7.235.3.118 unsafe_arena_release_media()	1048
7.235.3.119 unsafe_arena_release_record()	1048
7.235.3.120 unsafe_arena_release_template_()	1048
7.235.3.121 unsafe_arena_set_allocated_database()	1048
7.235.3.122 unsafe_arena_set_allocated_detect_options()	1048
7.235.3.123 unsafe_arena_set_allocated_durations()	1048
7.235.3.124 unsafe_arena_set_allocated_enroll_options()	1048
7.235.3.125 unsafe_arena_set_allocated_extract_options()	1049

7.235.3.126 unsafe_arena_set_allocated_media()	1049
7.235.3.127 unsafe_arena_set_allocated_record()	1049
7.235.3.128 unsafe_arena_set_allocated_template_()	1049
7.235.3.129 UnsafeArenaSwap()	1049
7.235.4 Friends And Related Function Documentation	1049
7.235.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1049
7.235.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1050
7.235.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1050
7.235.4.4 swap	1050
7.235.5 Member Data Documentation	1050
7.235.5.1 _class_data_	1050
7.235.5.2 kIndexInFileMessages	1050
7.236 briar::EnrollRequestDefaultTypeInternal Struct Reference	1051
7.236.1 Constructor & Destructor Documentation	1051
7.236.1.1 EnrollRequestDefaultTypeInternal()	1051
7.236.1.2 ~EnrollRequestDefaultTypeInternal()	1052
7.236.2 Member Data Documentation	1052
7.236.2.1	1052
7.236.2.2 _instance	1052
7.237 briar::ExtractOptions Class Reference	1052
7.237.1 Member Enumeration Documentation	1055
7.237.1.1 anonymous enum	1055
7.237.2 Constructor & Destructor Documentation	1055
7.237.2.1 ExtractOptions() [1/5]	1055
7.237.2.2 ~ExtractOptions()	1056
7.237.2.3 ExtractOptions() [2/5]	1056
7.237.2.4 ExtractOptions() [3/5]	1056
7.237.2.5 ExtractOptions() [4/5]	1056
7.237.2.6 ExtractOptions() [5/5]	1056
7.237.3 Member Function Documentation	1056
7.237.3.1 _InternalParse()	1056
7.237.3.2 _InternalSerialize()	1057
7.237.3.3 add_attributes()	1057
7.237.3.4 algorithm_id()	1057
7.237.3.5 attributes() [1/2]	1057
7.237.3.6 attributes() [2/2]	1057
7.237.3.7 attributes_size()	1057
7.237.3.8 ByteSizeLong()	1057
7.237.3.9 Clear()	1058
7.237.3.10 clear_algorithm_id()	1058
7.237.3.11 clear_attributes()	1058
7.237.3.12 clear_debug()	1058

7.237.3.13 clear_extract_batch()	1058
7.237.3.14 clear_flag()	1058
7.237.3.15 clear_modality()	1058
7.237.3.16 clear_return_media()	1058
7.237.3.17 CopyFrom()	1059
7.237.3.18 debug()	1059
7.237.3.19 default_instance()	1059
7.237.3.20 descriptor()	1059
7.237.3.21 extract_batch()	1059
7.237.3.22 flag()	1059
7.237.3.23 GetCachedSize()	1059
7.237.3.24 GetClassData()	1060
7.237.3.25 GetDescriptor()	1060
7.237.3.26 GetMetadata()	1060
7.237.3.27 GetReflection()	1060
7.237.3.28 has_algorithm_id()	1060
7.237.3.29 has_debug()	1060
7.237.3.30 has_extract_batch()	1060
7.237.3.31 has_return_media()	1061
7.237.3.32 internal_default_instance()	1061
7.237.3.33 IsInitialized()	1061
7.237.3.34 MergeFrom()	1061
7.237.3.35 modality()	1061
7.237.3.36 mutable_algorithm_id()	1061
7.237.3.37 mutable_attributes() [1/2]	1061
7.237.3.38 mutable_attributes() [2/2]	1062
7.237.3.39 mutable_debug()	1062
7.237.3.40 mutable_extract_batch()	1062
7.237.3.41 mutable_return_media()	1062
7.237.3.42 New()	1062
7.237.3.43 operator=() [1/2]	1062
7.237.3.44 operator=() [2/2]	1062
7.237.3.45 release_algorithm_id()	1063
7.237.3.46 release_debug()	1063
7.237.3.47 release_extract_batch()	1063
7.237.3.48 release_return_media()	1063
7.237.3.49 return_media()	1063
7.237.3.50 set_allocated_algorithm_id()	1063
7.237.3.51 set_allocated_debug()	1063
7.237.3.52 set_allocated_extract_batch()	1064
7.237.3.53 set_allocated_return_media()	1064
7.237.3.54 set_flag()	1064

7.237.3.55 set_modality()	1064
7.237.3.56 Swap()	1064
7.237.3.57 unsafe_arena_release_algorithm_id()	1064
7.237.3.58 unsafe_arena_release_debug()	1064
7.237.3.59 unsafe_arena_release_extract_batch()	1065
7.237.3.60 unsafe_arena_release_return_media()	1065
7.237.3.61 unsafe_arena_set_allocated_algorithm_id()	1065
7.237.3.62 unsafe_arena_set_allocated_debug()	1065
7.237.3.63 unsafe_arena_set_allocated_extract_batch()	1065
7.237.3.64 unsafe_arena_set_allocated_return_media()	1065
7.237.3.65 UnsafeArenaSwap()	1065
7.237.4 Friends And Related Function Documentation	1066
7.237.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1066
7.237.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1066
7.237.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1066
7.237.4.4 swap	1066
7.237.5 Member Data Documentation	1066
7.237.5.1 _class_data_	1066
7.237.5.2 kIndexInFileMessages	1067
7.238 briar::ExtractOptionsDefaultTypeInternal Struct Reference	1067
7.238.1 Constructor & Destructor Documentation	1068
7.238.1.1 ExtractOptionsDefaultTypeInternal()	1068
7.238.1.2 ~ExtractOptionsDefaultTypeInternal()	1068
7.238.2 Member Data Documentation	1068
7.238.2.1	1068
7.238.2.2 _instance	1068
7.239 briar::ExtractReply Class Reference	1069
7.239.1 Member Enumeration Documentation	1072
7.239.1.1 anonymous enum	1072
7.239.2 Constructor & Destructor Documentation	1072
7.239.2.1 ExtractReply() [1/5]	1072
7.239.2.2 ~ExtractReply()	1072
7.239.2.3 ExtractReply() [2/5]	1072
7.239.2.4 ExtractReply() [3/5]	1073
7.239.2.5 ExtractReply() [4/5]	1073
7.239.2.6 ExtractReply() [5/5]	1073
7.239.3 Member Function Documentation	1073
7.239.3.1 _InternalParse()	1073
7.239.3.2 _InternalSerialize()	1073
7.239.3.3 add_templates()	1073
7.239.3.4 ByteSizeLong()	1074
7.239.3.5 Clear()	1074

7.239.3.6 clear_detect_reply()	1074
7.239.3.7 clear_durations()	1074
7.239.3.8 clear_errors()	1074
7.239.3.9 clear_frame_id()	1074
7.239.3.10 clear_modality()	1074
7.239.3.11 clear_progress()	1074
7.239.3.12 clear_progress_only_reply()	1075
7.239.3.13 clear_templates()	1075
7.239.3.14 clear_track_reply()	1075
7.239.3.15 CopyFrom()	1075
7.239.3.16 default_instance()	1075
7.239.3.17 descriptor()	1075
7.239.3.18 detect_reply()	1075
7.239.3.19 durations()	1076
7.239.3.20 errors()	1076
7.239.3.21 frame_id()	1076
7.239.3.22 GetCachedSize()	1076
7.239.3.23 GetClassData()	1076
7.239.3.24 GetDescriptor()	1076
7.239.3.25 GetMetadata()	1076
7.239.3.26 GetReflection()	1077
7.239.3.27 has_detect_reply()	1077
7.239.3.28 has_durations()	1077
7.239.3.29 has_errors()	1077
7.239.3.30 has_progress()	1077
7.239.3.31 has_track_reply()	1077
7.239.3.32 internal_default_instance()	1077
7.239.3.33 IsInitialized()	1078
7.239.3.34 MergeFrom()	1078
7.239.3.35 modality()	1078
7.239.3.36 mutable_detect_reply()	1078
7.239.3.37 mutable_durations()	1078
7.239.3.38 mutable_errors()	1078
7.239.3.39 mutable_progress()	1078
7.239.3.40 mutable_templates() [1/2]	1079
7.239.3.41 mutable_templates() [2/2]	1079
7.239.3.42 mutable_track_reply()	1079
7.239.3.43 New()	1079
7.239.3.44 operator=() [1/2]	1079
7.239.3.45 operator=() [2/2]	1079
7.239.3.46 progress()	1079
7.239.3.47 progress_only_reply()	1080

7.239.3.48 release_detect_reply()	1080
7.239.3.49 release_durations()	1080
7.239.3.50 release_errors()	1080
7.239.3.51 release_progress()	1080
7.239.3.52 release_track_reply()	1080
7.239.3.53 set_allocated_detect_reply()	1080
7.239.3.54 set_allocated_durations()	1081
7.239.3.55 set_allocated_errors()	1081
7.239.3.56 set_allocated_progress()	1081
7.239.3.57 set_allocated_track_reply()	1081
7.239.3.58 set_frame_id()	1081
7.239.3.59 set_modality()	1081
7.239.3.60 set_progress_only_reply()	1081
7.239.3.61 Swap()	1082
7.239.3.62 templates() [1/2]	1082
7.239.3.63 templates() [2/2]	1082
7.239.3.64 templates_size()	1082
7.239.3.65 track_reply()	1082
7.239.3.66 unsafe_arena_release_detect_reply()	1082
7.239.3.67 unsafe_arena_release_durations()	1082
7.239.3.68 unsafe_arena_release_errors()	1083
7.239.3.69 unsafe_arena_release_progress()	1083
7.239.3.70 unsafe_arena_release_track_reply()	1083
7.239.3.71 unsafe_arena_set_allocated_detect_reply()	1083
7.239.3.72 unsafe_arena_set_allocated_durations()	1083
7.239.3.73 unsafe_arena_set_allocated_errors()	1083
7.239.3.74 unsafe_arena_set_allocated_progress()	1083
7.239.3.75 unsafe_arena_set_allocated_track_reply()	1084
7.239.3.76 UnsafeArenaSwap()	1084
7.239.4 Friends And Related Function Documentation	1084
7.239.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1084
7.239.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1084
7.239.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1084
7.239.4.4 swap	1084
7.239.5 Member Data Documentation	1084
7.239.5.1 _class_data_	1085
7.239.5.2 kIndexInFileMessages	1085
7.240 briar::ExtractReplyDefaultTypeInternal Struct Reference	1085
7.240.1 Constructor & Destructor Documentation	1086
7.240.1.1 ExtractReplyDefaultTypeInternal()	1086
7.240.1.2 ~ExtractReplyDefaultTypeInternal()	1086
7.240.2 Member Data Documentation	1086

7.240.2.1	1086
7.240.2.2 _instance	1086
7.241 briar::ExtractRequest Class Reference	1087
7.241.1 Member Enumeration Documentation	1089
7.241.1.1 anonymous enum	1089
7.241.2 Constructor & Destructor Documentation	1090
7.241.2.1 ExtractRequest() [1/5]	1090
7.241.2.2 ~ExtractRequest()	1090
7.241.2.3 ExtractRequest() [2/5]	1090
7.241.2.4 ExtractRequest() [3/5]	1090
7.241.2.5 ExtractRequest() [4/5]	1090
7.241.2.6 ExtractRequest() [5/5]	1090
7.241.3 Member Function Documentation	1090
7.241.3.1 _InternalParse()	1091
7.241.3.2 _InternalSerialize()	1091
7.241.3.3 add_detections()	1091
7.241.3.4 ByteSizeLong()	1091
7.241.3.5 Clear()	1091
7.241.3.6 clear_detect_options()	1091
7.241.3.7 clear_detections()	1091
7.241.3.8 clear_durations()	1092
7.241.3.9 clear_extract_options()	1092
7.241.3.10 clear_media()	1092
7.241.3.11 CopyFrom()	1092
7.241.3.12 default_instance()	1092
7.241.3.13 descriptor()	1092
7.241.3.14 detect_options()	1092
7.241.3.15 detections() [1/2]	1093
7.241.3.16 detections() [2/2]	1093
7.241.3.17 detections_size()	1093
7.241.3.18 durations()	1093
7.241.3.19 extract_options()	1093
7.241.3.20 GetCachedSize()	1093
7.241.3.21 GetClassData()	1093
7.241.3.22 GetDescriptor()	1094
7.241.3.23 GetMetadata()	1094
7.241.3.24 GetReflection()	1094
7.241.3.25 has_detect_options()	1094
7.241.3.26 has_durations()	1094
7.241.3.27 has_extract_options()	1094
7.241.3.28 has_media()	1094
7.241.3.29 internal_default_instance()	1095

7.241.3.30 IsInitialized()	1095
7.241.3.31 media()	1095
7.241.3.32 MergeFrom()	1095
7.241.3.33 mutable_detect_options()	1095
7.241.3.34 mutable_detections() [1/2]	1095
7.241.3.35 mutable_detections() [2/2]	1095
7.241.3.36 mutable_durations()	1096
7.241.3.37 mutable_extract_options()	1096
7.241.3.38 mutable_media()	1096
7.241.3.39 New()	1096
7.241.3.40 operator=() [1/2]	1096
7.241.3.41 operator=() [2/2]	1096
7.241.3.42 release_detect_options()	1096
7.241.3.43 release_durations()	1097
7.241.3.44 release_extract_options()	1097
7.241.3.45 release_media()	1097
7.241.3.46 set_allocated_detect_options()	1097
7.241.3.47 set_allocated_durations()	1097
7.241.3.48 set_allocated_extract_options()	1097
7.241.3.49 set_allocated_media()	1097
7.241.3.50 Swap()	1098
7.241.3.51 unsafe_arena_release_detect_options()	1098
7.241.3.52 unsafe_arena_release_durations()	1098
7.241.3.53 unsafe_arena_release_extract_options()	1098
7.241.3.54 unsafe_arena_release_media()	1098
7.241.3.55 unsafe_arena_set_allocated_detect_options()	1098
7.241.3.56 unsafe_arena_set_allocated_durations()	1098
7.241.3.57 unsafe_arena_set_allocated_extract_options()	1099
7.241.3.58 unsafe_arena_set_allocated_media()	1099
7.241.3.59 UnsafeArenaSwap()	1099
7.241.4 Friends And Related Function Documentation	1099
7.241.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1099
7.241.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1099
7.241.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1099
7.241.4.4 swap	1099
7.241.5 Member Data Documentation	1100
7.241.5.1 _class_data_	1100
7.241.5.2 kIndexInFileMessages	1100
7.242 briar::ExtractRequestDefaultTypeInternal Struct Reference	1100
7.242.1 Constructor & Destructor Documentation	1101
7.242.1.1 ExtractRequestDefaultTypeInternal()	1101
7.242.1.2 ~ExtractRequestDefaultTypeInternal()	1101

7.242.2 Member Data Documentation	1101
7.242.2.1	1101
7.242.2.2 _instance	1101
7.243 briar::FloatOption Class Reference	1102
7.243.1 Member Enumeration Documentation	1104
7.243.1.1 anonymous enum	1104
7.243.2 Constructor & Destructor Documentation	1104
7.243.2.1 FloatOption() [1/5]	1104
7.243.2.2 ~FloatOption()	1104
7.243.2.3 FloatOption() [2/5]	1104
7.243.2.4 FloatOption() [3/5]	1105
7.243.2.5 FloatOption() [4/5]	1105
7.243.2.6 FloatOption() [5/5]	1105
7.243.3 Member Function Documentation	1105
7.243.3.1 _InternalParse()	1105
7.243.3.2 _InternalSerialize()	1105
7.243.3.3 ByteSizeLong()	1105
7.243.3.4 Clear()	1106
7.243.3.5 clear_override_default()	1106
7.243.3.6 clear_value()	1106
7.243.3.7 CopyFrom()	1106
7.243.3.8 default_instance()	1106
7.243.3.9 descriptor()	1106
7.243.3.10 GetCachedSize()	1106
7.243.3.11 GetClassData()	1107
7.243.3.12 GetDescriptor()	1107
7.243.3.13 GetMetadata()	1107
7.243.3.14 GetReflection()	1107
7.243.3.15 internal_default_instance()	1107
7.243.3.16 IsInitialized()	1107
7.243.3.17 MergeFrom()	1107
7.243.3.18 New()	1108
7.243.3.19 operator=() [1/2]	1108
7.243.3.20 operator=() [2/2]	1108
7.243.3.21 override_default()	1108
7.243.3.22 set_override_default()	1108
7.243.3.23 set_value()	1108
7.243.3.24 Swap()	1108
7.243.3.25 UnsafeArenaSwap()	1109
7.243.3.26 value()	1109
7.243.4 Friends And Related Function Documentation	1109
7.243.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1109

7.243.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1109
7.243.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1109
7.243.4.4 swap	1109
7.243.5 Member Data Documentation	1109
7.243.5.1 _class_data_	1110
7.243.5.2 kIndexInFileMessages	1110
7.244 briar::FloatOptionDefaultTypeInternal Struct Reference	1110
7.244.1 Constructor & Destructor Documentation	1111
7.244.1.1 FloatOptionDefaultTypeInternal()	1111
7.244.1.2 ~FloatOptionDefaultTypeInternal()	1111
7.244.2 Member Data Documentation	1111
7.244.2.1	1111
7.244.2.2 _instance	1111
7.245 briar::FrameMetadata Class Reference	1112
7.245.1 Member Enumeration Documentation	1114
7.245.1.1 anonymous enum	1114
7.245.2 Constructor & Destructor Documentation	1114
7.245.2.1 FrameMetadata() [1/5]	1114
7.245.2.2 ~FrameMetadata()	1114
7.245.2.3 FrameMetadata() [2/5]	1114
7.245.2.4 FrameMetadata() [3/5]	1115
7.245.2.5 FrameMetadata() [4/5]	1115
7.245.2.6 FrameMetadata() [5/5]	1115
7.245.3 Member Function Documentation	1115
7.245.3.1 _InternalParse()	1115
7.245.3.2 _InternalSerialize()	1115
7.245.3.3 add_attributes()	1115
7.245.3.4 attributes() [1/2]	1116
7.245.3.5 attributes() [2/2]	1116
7.245.3.6 attributes_size()	1116
7.245.3.7 ByteSizeLong()	1116
7.245.3.8 Clear()	1116
7.245.3.9 clear_attributes()	1116
7.245.3.10 CopyFrom()	1116
7.245.3.11 default_instance()	1117
7.245.3.12 descriptor()	1117
7.245.3.13 GetCachedSize()	1117
7.245.3.14 GetClassData()	1117
7.245.3.15 GetDescriptor()	1117
7.245.3.16 GetMetadata()	1117
7.245.3.17 GetReflection()	1117
7.245.3.18 internal_default_instance()	1118

7.245.3.19 IsInitialized()	1118
7.245.3.20 MergeFrom()	1118
7.245.3.21 mutable_attributes() [1/2]	1118
7.245.3.22 mutable_attributes() [2/2]	1118
7.245.3.23 New()	1118
7.245.3.24 operator=() [1/2]	1118
7.245.3.25 operator=() [2/2]	1119
7.245.3.26 Swap()	1119
7.245.3.27 UnsafeArenaSwap()	1119
7.245.4 Friends And Related Function Documentation	1119
7.245.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1119
7.245.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1119
7.245.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1119
7.245.4.4 swap	1119
7.245.5 Member Data Documentation	1120
7.245.5.1 _class_data_	1120
7.245.5.2 kIndexInFileMessages	1120
7.246 briar::FrameMetadataDefaultTypeInternal Struct Reference	1120
7.246.1 Constructor & Destructor Documentation	1121
7.246.1.1 FrameMetadataDefaultTypeInternal()	1121
7.246.1.2 ~FrameMetadataDefaultTypeInternal()	1121
7.246.2 Member Data Documentation	1121
7.246.2.1	1121
7.246.2.2 _instance	1121
7.247 briar::IntOption Class Reference	1122
7.247.1 Member Enumeration Documentation	1124
7.247.1.1 anonymous enum	1124
7.247.2 Constructor & Destructor Documentation	1124
7.247.2.1 IntOption() [1/5]	1124
7.247.2.2 ~IntOption()	1124
7.247.2.3 IntOption() [2/5]	1124
7.247.2.4 IntOption() [3/5]	1125
7.247.2.5 IntOption() [4/5]	1125
7.247.2.6 IntOption() [5/5]	1125
7.247.3 Member Function Documentation	1125
7.247.3.1 _InternalParse()	1125
7.247.3.2 _InternalSerialize()	1125
7.247.3.3 ByteSizeLong()	1125
7.247.3.4 Clear()	1126
7.247.3.5 clear_override_default()	1126
7.247.3.6 clear_value()	1126
7.247.3.7 CopyFrom()	1126

7.247.3.8 default_instance()	1126
7.247.3.9 descriptor()	1126
7.247.3.10 GetCachedSize()	1126
7.247.3.11 GetClassData()	1127
7.247.3.12 GetDescriptor()	1127
7.247.3.13 GetMetadata()	1127
7.247.3.14 GetReflection()	1127
7.247.3.15 internal_default_instance()	1127
7.247.3.16 IsInitialized()	1127
7.247.3.17 MergeFrom()	1127
7.247.3.18 New()	1128
7.247.3.19 operator=() [1/2]	1128
7.247.3.20 operator=() [2/2]	1128
7.247.3.21 override_default()	1128
7.247.3.22 set_override_default()	1128
7.247.3.23 set_value()	1128
7.247.3.24 Swap()	1128
7.247.3.25 UnsafeArenaSwap()	1129
7.247.3.26 value()	1129
7.247.4 Friends And Related Function Documentation	1129
7.247.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1129
7.247.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1129
7.247.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1129
7.247.4.4 swap	1129
7.247.5 Member Data Documentation	1129
7.247.5.1 _class_data_	1130
7.247.5.2 kIndexInFileMessages	1130
7.248 briar::IntOptionDefaultTypeInternal Struct Reference	1130
7.248.1 Constructor & Destructor Documentation	1131
7.248.1.1 IntOptionDefaultTypeInternal()	1131
7.248.1.2 ~IntOptionDefaultTypeInternal()	1131
7.248.2 Member Data Documentation	1131
7.248.2.1	1131
7.248.2.2 _instance	1131
7.249 is_proto_enum< ::briar::BiometricModality > Struct Reference	1132
7.250 is_proto_enum< ::briar::BriarDataType > Struct Reference	1132
7.251 is_proto_enum< ::briar::BriarError > Struct Reference	1133
7.252 is_proto_enum< ::briar::BriarMedia_DataType > Struct Reference	1134
7.253 is_proto_enum< ::briar::BriarServiceStatus > Struct Reference	1135
7.254 is_proto_enum< ::briar::EnrollFlags > Struct Reference	1136
7.255 is_proto_enum< ::briar::EntryType > Struct Reference	1137
7.256 is_proto_enum< ::briar::ExtractFlags > Struct Reference	1138

7.257 <code>is_proto_enum< ::briar::FeatureVectorType ></code> Struct Reference	1139
7.258 <code>is_proto_enum< ::briar::SearchFlags ></code> Struct Reference	1140
7.259 <code>is_proto_enum< ::briar::VerifyFlags ></code> Struct Reference	1141
7.260 <code>is_proto_enum< ::briar::VerifyRequest_VerifyRole ></code> Struct Reference	1142
7.261 <code>briar::MediaMetadata</code> Class Reference	1143
7.261.1 Member Enumeration Documentation	1146
7.261.1.1 anonymous enum	1146
7.261.2 Constructor & Destructor Documentation	1146
7.261.2.1 <code>MediaMetadata()</code> [1/5]	1146
7.261.2.2 <code>~MediaMetadata()</code>	1146
7.261.2.3 <code>MediaMetadata()</code> [2/5]	1146
7.261.2.4 <code>MediaMetadata()</code> [3/5]	1147
7.261.2.5 <code>MediaMetadata()</code> [4/5]	1147
7.261.2.6 <code>MediaMetadata()</code> [5/5]	1147
7.261.3 Member Function Documentation	1147
7.261.3.1 <code>_InternalParse()</code>	1147
7.261.3.2 <code>_InternalSerialize()</code>	1147
7.261.3.3 <code>add_attributes()</code>	1147
7.261.3.4 <code>add_frame_metadata()</code>	1148
7.261.3.5 <code>attributes()</code> [1/2]	1148
7.261.3.6 <code>attributes()</code> [2/2]	1148
7.261.3.7 <code>attributes_size()</code>	1148
7.261.3.8 <code>ByteSizeLong()</code>	1148
7.261.3.9 <code>Clear()</code>	1148
7.261.3.10 <code>clear_attributes()</code>	1148
7.261.3.11 <code>clear_frame_metadata()</code>	1149
7.261.3.12 <code>CopyFrom()</code>	1149
7.261.3.13 <code>default_instance()</code>	1149
7.261.3.14 <code>descriptor()</code>	1149
7.261.3.15 <code>frame_metadata()</code> [1/2]	1149
7.261.3.16 <code>frame_metadata()</code> [2/2]	1149
7.261.3.17 <code>frame_metadata_size()</code>	1149
7.261.3.18 <code>GetCachedSize()</code>	1150
7.261.3.19 <code>GetClassData()</code>	1150
7.261.3.20 <code>GetDescriptor()</code>	1150
7.261.3.21 <code>GetMetadata()</code>	1150
7.261.3.22 <code>GetReflection()</code>	1150
7.261.3.23 <code>internal_default_instance()</code>	1150
7.261.3.24 <code>IsInitialized()</code>	1150
7.261.3.25 <code>MergeFrom()</code>	1151
7.261.3.26 <code>mutable_attributes()</code> [1/2]	1151
7.261.3.27 <code>mutable_attributes()</code> [2/2]	1151

7.261.3.28 mutable_frame_metadata() [1/2]	1151
7.261.3.29 mutable_frame_metadata() [2/2]	1151
7.261.3.30 New()	1151
7.261.3.31 operator=() [1/2]	1151
7.261.3.32 operator=() [2/2]	1152
7.261.3.33 Swap()	1152
7.261.3.34 UnsafeArenaSwap()	1152
7.261.4 Friends And Related Function Documentation	1152
7.261.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1152
7.261.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1152
7.261.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1152
7.261.4.4 swap	1152
7.261.5 Member Data Documentation	1153
7.261.5.1 _class_data_	1153
7.261.5.2 kIndexInFileMessages	1153
7.262 briar::MediaMetadataDefaultTypeInternal Struct Reference	1153
7.262.1 Constructor & Destructor Documentation	1154
7.262.1.1 MediaMetadataDefaultTypeInternal()	1154
7.262.1.2 ~MediaMetadataDefaultTypeInternal()	1154
7.262.2 Member Data Documentation	1154
7.262.2.1	1154
7.262.2.2 _instance	1154
7.263 briar::Record Class Reference	1155
7.263.1 Member Enumeration Documentation	1159
7.263.1.1 anonymous enum	1159
7.263.2 Constructor & Destructor Documentation	1160
7.263.2.1 Record() [1/5]	1160
7.263.2.2 ~Record()	1160
7.263.2.3 Record() [2/5]	1160
7.263.2.4 Record() [3/5]	1160
7.263.2.5 Record() [4/5]	1160
7.263.2.6 Record() [5/5]	1160
7.263.3 Member Function Documentation	1160
7.263.3.1 _InternalParse()	1161
7.263.3.2 _InternalSerialize()	1161
7.263.3.3 add_attributes()	1161
7.263.3.4 add_source_id() [1/5]	1161
7.263.3.5 add_source_id() [2/5]	1161
7.263.3.6 add_source_id() [3/5]	1161
7.263.3.7 add_source_id() [4/5]	1161
7.263.3.8 add_source_id() [5/5]	1162
7.263.3.9 algorithm()	1162

7.263.3.10 attributes() [1/2]	1162
7.263.3.11 attributes() [2/2]	1162
7.263.3.12 attributes_size()	1162
7.263.3.13 ByteSizeLong()	1162
7.263.3.14 Clear()	1162
7.263.3.15 clear_algorithm()	1163
7.263.3.16 clear_attributes()	1163
7.263.3.17 clear_database_id()	1163
7.263.3.18 clear_detection()	1163
7.263.3.19 clear_entry_id()	1163
7.263.3.20 clear_entry_type()	1163
7.263.3.21 clear_media_id()	1163
7.263.3.22 clear_media_previews()	1163
7.263.3.23 clear_modality()	1164
7.263.3.24 clear_name()	1164
7.263.3.25 clear_notes()	1164
7.263.3.26 clear_source()	1164
7.263.3.27 clear_source_id()	1164
7.263.3.28 clear_subject_id()	1164
7.263.3.29 clear_subject_previews()	1164
7.263.3.30 clear_templates()	1164
7.263.3.31 clear_tracklets()	1165
7.263.3.32 CopyFrom()	1165
7.263.3.33 database_id()	1165
7.263.3.34 default_instance()	1165
7.263.3.35 descriptor()	1165
7.263.3.36 detection()	1165
7.263.3.37 entry_id()	1165
7.263.3.38 entry_type()	1166
7.263.3.39 GetCachedSize()	1166
7.263.3.40 GetClassData()	1166
7.263.3.41 GetDescriptor()	1166
7.263.3.42 GetMetadata()	1166
7.263.3.43 GetReflection()	1166
7.263.3.44 has_database_id()	1166
7.263.3.45 has_detection()	1167
7.263.3.46 internal_default_instance()	1167
7.263.3.47 IsInitialized()	1167
7.263.3.48 media_id()	1167
7.263.3.49 media_previews()	1167
7.263.3.50 media_previews_size()	1167
7.263.3.51 MergeFrom()	1167

7.263.3.52 modality()	1168
7.263.3.53 mutable_algorithm()	1168
7.263.3.54 mutable_attributes() [1/2]	1168
7.263.3.55 mutable_attributes() [2/2]	1168
7.263.3.56 mutable_database_id()	1168
7.263.3.57 mutable_detection()	1168
7.263.3.58 mutable_entry_id()	1168
7.263.3.59 mutable_media_id()	1169
7.263.3.60 mutable_media_previews()	1169
7.263.3.61 mutable_name()	1169
7.263.3.62 mutable_notes()	1169
7.263.3.63 mutable_source()	1169
7.263.3.64 mutable_source_id() [1/2]	1169
7.263.3.65 mutable_source_id() [2/2]	1169
7.263.3.66 mutable_subject_id()	1170
7.263.3.67 mutable_subject_previews()	1170
7.263.3.68 mutable_templates()	1170
7.263.3.69 mutable_tracklets()	1170
7.263.3.70 name()	1170
7.263.3.71 New()	1170
7.263.3.72 notes()	1170
7.263.3.73 operator=() [1/2]	1171
7.263.3.74 operator=() [2/2]	1171
7.263.3.75 release_algorithm()	1171
7.263.3.76 release_database_id()	1171
7.263.3.77 release_detection()	1171
7.263.3.78 release_entry_id()	1171
7.263.3.79 release_media_id()	1171
7.263.3.80 release_name()	1172
7.263.3.81 release_notes()	1172
7.263.3.82 release_source()	1172
7.263.3.83 release_subject_id()	1172
7.263.3.84 release_templates()	1172
7.263.3.85 release_tracklets()	1172
7.263.3.86 set_algorithm() [1/2]	1172
7.263.3.87 set_algorithm() [2/2]	1173
7.263.3.88 set_allocated_algorithm()	1173
7.263.3.89 set_allocated_database_id()	1173
7.263.3.90 set_allocated_detection()	1173
7.263.3.91 set_allocated_entry_id()	1173
7.263.3.92 set_allocated_media_id()	1173
7.263.3.93 set_allocated_name()	1173

7.263.3.94 set_allocated_notes()	1174
7.263.3.95 set_allocated_source()	1174
7.263.3.96 set_allocated_subject_id()	1174
7.263.3.97 set_allocated_templates()	1174
7.263.3.98 set_allocated_tracklets()	1174
7.263.3.99 set_entry_id() [1/2]	1174
7.263.3.100 set_entry_id() [2/2]	1175
7.263.3.101 set_entry_type()	1175
7.263.3.102 set_media_id() [1/2]	1175
7.263.3.103 set_media_id() [2/2]	1175
7.263.3.104 set_modality()	1175
7.263.3.105 set_name() [1/2]	1175
7.263.3.106 set_name() [2/2]	1176
7.263.3.107 set_notes() [1/2]	1176
7.263.3.108 set_notes() [2/2]	1176
7.263.3.109 set_source() [1/2]	1176
7.263.3.110 set_source() [2/2]	1176
7.263.3.111 set_source_id() [1/4]	1176
7.263.3.112 set_source_id() [2/4]	1177
7.263.3.113 set_source_id() [3/4]	1177
7.263.3.114 set_source_id() [4/4]	1177
7.263.3.115 set_subject_id() [1/2]	1177
7.263.3.116 set_subject_id() [2/2]	1177
7.263.3.117 set_templates() [1/2]	1177
7.263.3.118 set_templates() [2/2]	1178
7.263.3.119 set_tracklets() [1/2]	1178
7.263.3.120 set_tracklets() [2/2]	1178
7.263.3.121 source()	1178
7.263.3.122 source_id() [1/2]	1178
7.263.3.123 source_id() [2/2]	1178
7.263.3.124 source_id_size()	1179
7.263.3.125 subject_id()	1179
7.263.3.126 subject_previews()	1179
7.263.3.127 subject_previews_size()	1179
7.263.3.128 Swap()	1179
7.263.3.129 templates()	1179
7.263.3.130 tracklets()	1179
7.263.3.131 unsafe_arena_release_database_id()	1180
7.263.3.132 unsafe_arena_release_detection()	1180
7.263.3.133 unsafe_arena_set_allocated_database_id()	1180
7.263.3.134 unsafe_arena_set_allocated_detection()	1180
7.263.3.135 UnsafeArenaSwap()	1180

7.263.4 Friends And Related Function Documentation	1180
7.263.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1180
7.263.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1180
7.263.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1181
7.263.4.4 swap	1181
7.263.5 Member Data Documentation	1181
7.263.5.1 _class_data_	1181
7.263.5.2 kIndexInFileMessages	1181
7.264 briar::Record_MediaPreviewsEntry_DoNotUse Class Reference	1182
7.264.1 Member Typedef Documentation	1183
7.264.1.1 SuperType	1183
7.264.2 Constructor & Destructor Documentation	1183
7.264.2.1 Record_MediaPreviewsEntry_DoNotUse() [1/3]	1183
7.264.2.2 Record_MediaPreviewsEntry_DoNotUse() [2/3]	1183
7.264.2.3 Record_MediaPreviewsEntry_DoNotUse() [3/3]	1183
7.264.3 Member Function Documentation	1183
7.264.3.1 GetMetadata()	1184
7.264.3.2 internal_default_instance()	1184
7.264.3.3 MergeFrom()	1184
7.264.3.4 ValidateKey()	1184
7.264.3.5 ValidateValue()	1184
7.264.4 Friends And Related Function Documentation	1184
7.264.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1184
7.265 briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal Struct Reference	1185
7.265.1 Constructor & Destructor Documentation	1185
7.265.1.1 Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal()	1185
7.265.1.2 ~Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal()	1185
7.265.2 Member Data Documentation	1185
7.265.2.1	1186
7.265.2.2 _instance	1186
7.266 briar::Record_SubjectPreviewsEntry_DoNotUse Class Reference	1186
7.266.1 Member Typedef Documentation	1187
7.266.1.1 SuperType	1187
7.266.2 Constructor & Destructor Documentation	1187
7.266.2.1 Record_SubjectPreviewsEntry_DoNotUse() [1/3]	1187
7.266.2.2 Record_SubjectPreviewsEntry_DoNotUse() [2/3]	1187
7.266.2.3 Record_SubjectPreviewsEntry_DoNotUse() [3/3]	1188
7.266.3 Member Function Documentation	1188
7.266.3.1 GetMetadata()	1188
7.266.3.2 internal_default_instance()	1188
7.266.3.3 MergeFrom()	1188
7.266.3.4 ValidateKey()	1188

7.266.3.5 ValidateValue()	1188
7.266.4 Friends And Related Function Documentation	1188
7.266.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1189
7.267 briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal Struct Reference	1189
7.267.1 Constructor & Destructor Documentation	1189
7.267.1.1 Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal()	1189
7.267.1.2 ~Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal()	1190
7.267.2 Member Data Documentation	1190
7.267.2.1	1190
7.267.2.2 _instance	1190
7.268 briar::RecordDefaultTypeInternal Struct Reference	1190
7.268.1 Constructor & Destructor Documentation	1191
7.268.1.1 RecordDefaultTypeInternal()	1191
7.268.1.2 ~RecordDefaultTypeInternal()	1191
7.268.2 Member Data Documentation	1191
7.268.2.1	1191
7.268.2.2 _instance	1191
7.269 briar::RecordList Class Reference	1192
7.269.1 Member Enumeration Documentation	1194
7.269.1.1 anonymous enum	1194
7.269.2 Constructor & Destructor Documentation	1194
7.269.2.1 RecordList() [1/5]	1194
7.269.2.2 ~RecordList()	1194
7.269.2.3 RecordList() [2/5]	1194
7.269.2.4 RecordList() [3/5]	1195
7.269.2.5 RecordList() [4/5]	1195
7.269.2.6 RecordList() [5/5]	1195
7.269.3 Member Function Documentation	1195
7.269.3.1 _InternalParse()	1195
7.269.3.2 _InternalSerialize()	1195
7.269.3.3 add_records()	1195
7.269.3.4 ByteSizeLong()	1196
7.269.3.5 Clear()	1196
7.269.3.6 clear_records()	1196
7.269.3.7 CopyFrom()	1196
7.269.3.8 default_instance()	1196
7.269.3.9 descriptor()	1196
7.269.3.10 GetCachedSize()	1196
7.269.3.11 GetClassData()	1197
7.269.3.12 GetDescriptor()	1197
7.269.3.13 GetMetadata()	1197
7.269.3.14 GetReflection()	1197

7.269.3.15 internal_default_instance()	1197
7.269.3.16 IsInitialized()	1197
7.269.3.17 MergeFrom()	1197
7.269.3.18 mutable_records() [1/2]	1198
7.269.3.19 mutable_records() [2/2]	1198
7.269.3.20 New()	1198
7.269.3.21 operator=() [1/2]	1198
7.269.3.22 operator=() [2/2]	1198
7.269.3.23 records() [1/2]	1198
7.269.3.24 records() [2/2]	1198
7.269.3.25 records_size()	1199
7.269.3.26 Swap()	1199
7.269.3.27 UnsafeArenaSwap()	1199
7.269.4 Friends And Related Function Documentation	1199
7.269.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1199
7.269.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1199
7.269.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1199
7.269.4.4 swap	1199
7.269.5 Member Data Documentation	1200
7.269.5.1 _class_data	1200
7.269.5.2 kIndexInFileMessages	1200
7.270 briar::RecordListDefaultTypeInternal Struct Reference	1200
7.270.1 Constructor & Destructor Documentation	1201
7.270.1.1 RecordListDefaultTypeInternal()	1201
7.270.1.2 ~RecordListDefaultTypeInternal()	1201
7.270.2 Member Data Documentation	1201
7.270.2.1	1201
7.270.2.2 _instance	1201
7.271 briar::SearchDatabaseReply Class Reference	1202
7.271.1 Member Enumeration Documentation	1204
7.271.1.1 anonymous enum	1204
7.271.2 Constructor & Destructor Documentation	1204
7.271.2.1 SearchDatabaseReply() [1/5]	1205
7.271.2.2 ~SearchDatabaseReply()	1205
7.271.2.3 SearchDatabaseReply() [2/5]	1205
7.271.2.4 SearchDatabaseReply() [3/5]	1205
7.271.2.5 SearchDatabaseReply() [4/5]	1205
7.271.2.6 SearchDatabaseReply() [5/5]	1205
7.271.3 Member Function Documentation	1205
7.271.3.1 _InternalParse()	1206
7.271.3.2 _InternalSerialize()	1206
7.271.3.3 add_durations()	1206

7.271.3.4 add_similarities()	1206
7.271.3.5 ByteSizeLong()	1206
7.271.3.6 Clear()	1206
7.271.3.7 clear_durations()	1206
7.271.3.8 clear_errors()	1207
7.271.3.9 clear_progress()	1207
7.271.3.10 clear_similarities()	1207
7.271.3.11 CopyFrom()	1207
7.271.3.12 default_instance()	1207
7.271.3.13 descriptor()	1207
7.271.3.14 durations() [1/2]	1207
7.271.3.15 durations() [2/2]	1208
7.271.3.16 durations_size()	1208
7.271.3.17 errors()	1208
7.271.3.18 GetCachedSize()	1208
7.271.3.19 GetClassData()	1208
7.271.3.20 GetDescriptor()	1208
7.271.3.21 GetMetadata()	1208
7.271.3.22 GetReflection()	1209
7.271.3.23 has_errors()	1209
7.271.3.24 has_progress()	1209
7.271.3.25 internal_default_instance()	1209
7.271.3.26 IsInitialized()	1209
7.271.3.27 MergeFrom()	1209
7.271.3.28 mutable_durations() [1/2]	1209
7.271.3.29 mutable_durations() [2/2]	1210
7.271.3.30 mutable_errors()	1210
7.271.3.31 mutable_progress()	1210
7.271.3.32 mutable_similarities() [1/2]	1210
7.271.3.33 mutable_similarities() [2/2]	1210
7.271.3.34 New()	1210
7.271.3.35 operator=() [1/2]	1210
7.271.3.36 operator=() [2/2]	1211
7.271.3.37 progress()	1211
7.271.3.38 release_errors()	1211
7.271.3.39 release_progress()	1211
7.271.3.40 set_allocated_errors()	1211
7.271.3.41 set_allocated_progress()	1211
7.271.3.42 similarities() [1/2]	1211
7.271.3.43 similarities() [2/2]	1212
7.271.3.44 similarities_size()	1212
7.271.3.45 Swap()	1212

7.271.3.46 unsafe_arena_release_errors()	1212
7.271.3.47 unsafe_arena_release_progress()	1212
7.271.3.48 unsafe_arena_set_allocated_errors()	1212
7.271.3.49 unsafe_arena_set_allocated_progress()	1212
7.271.3.50 UnsafeArenaSwap()	1213
7.271.4 Friends And Related Function Documentation	1213
7.271.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1213
7.271.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1213
7.271.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1213
7.271.4.4 swap	1213
7.271.5 Member Data Documentation	1213
7.271.5.1 _class_data_	1213
7.271.5.2 kIndexInFileMessages	1214
7.272 briar::SearchDatabaseReplyDefaultTypeInternal Struct Reference	1214
7.272.1 Constructor & Destructor Documentation	1215
7.272.1.1 SearchDatabaseReplyDefaultTypeInternal()	1215
7.272.1.2 ~SearchDatabaseReplyDefaultTypeInternal()	1215
7.272.2 Member Data Documentation	1215
7.272.2.1	1215
7.272.2.2 _instance	1215
7.273 briar::SearchDatabaseRequest Class Reference	1216
7.273.1 Member Enumeration Documentation	1218
7.273.1.1 anonymous enum	1218
7.273.2 Constructor & Destructor Documentation	1219
7.273.2.1 SearchDatabaseRequest() [1/5]	1219
7.273.2.2 ~SearchDatabaseRequest()	1219
7.273.2.3 SearchDatabaseRequest() [2/5]	1219
7.273.2.4 SearchDatabaseRequest() [3/5]	1219
7.273.2.5 SearchDatabaseRequest() [4/5]	1219
7.273.2.6 SearchDatabaseRequest() [5/5]	1220
7.273.3 Member Function Documentation	1220
7.273.3.1 _InternalParse()	1220
7.273.3.2 _InternalSerialize()	1220
7.273.3.3 add_probe_entry_ids() [1/5]	1220
7.273.3.4 add_probe_entry_ids() [2/5]	1220
7.273.3.5 add_probe_entry_ids() [3/5]	1220
7.273.3.6 add_probe_entry_ids() [4/5]	1221
7.273.3.7 add_probe_entry_ids() [5/5]	1221
7.273.3.8 ByteSizeLong()	1221
7.273.3.9 Clear()	1221
7.273.3.10 clear_database()	1221
7.273.3.11 clear_durations()	1221

7.273.3.12 clear_probe_database()	1221
7.273.3.13 clear_probe_entry_ids()	1222
7.273.3.14 clear_search_options()	1222
7.273.3.15 CopyFrom()	1222
7.273.3.16 database()	1222
7.273.3.17 default_instance()	1222
7.273.3.18 descriptor()	1222
7.273.3.19 durations()	1222
7.273.3.20 GetCachedSize()	1223
7.273.3.21 GetClassData()	1223
7.273.3.22 GetDescriptor()	1223
7.273.3.23 GetMetadata()	1223
7.273.3.24 GetReflection()	1223
7.273.3.25 has_database()	1223
7.273.3.26 has_durations()	1223
7.273.3.27 has_probe_database()	1224
7.273.3.28 has_search_options()	1224
7.273.3.29 internal_default_instance()	1224
7.273.3.30 IsInitialized()	1224
7.273.3.31 MergeFrom()	1224
7.273.3.32 mutable_database()	1224
7.273.3.33 mutable_durations()	1224
7.273.3.34 mutable_probe_database()	1225
7.273.3.35 mutable_probe_entry_ids() [1/2]	1225
7.273.3.36 mutable_probe_entry_ids() [2/2]	1225
7.273.3.37 mutable_search_options()	1225
7.273.3.38 New()	1225
7.273.3.39 operator=() [1/2]	1225
7.273.3.40 operator=() [2/2]	1225
7.273.3.41 probe_database()	1226
7.273.3.42 probe_entry_ids() [1/2]	1226
7.273.3.43 probe_entry_ids() [2/2]	1226
7.273.3.44 probe_entry_ids_size()	1226
7.273.3.45 release_database()	1226
7.273.3.46 release_durations()	1226
7.273.3.47 release_probe_database()	1226
7.273.3.48 release_search_options()	1227
7.273.3.49 search_options()	1227
7.273.3.50 set_allocated_database()	1227
7.273.3.51 set_allocated_durations()	1227
7.273.3.52 set_allocated_probe_database()	1227
7.273.3.53 set_allocated_search_options()	1227

7.273.3.54 set_probe_entry_ids() [1/4]	1227
7.273.3.55 set_probe_entry_ids() [2/4]	1228
7.273.3.56 set_probe_entry_ids() [3/4]	1228
7.273.3.57 set_probe_entry_ids() [4/4]	1228
7.273.3.58 Swap()	1228
7.273.3.59 unsafe_arena_release_database()	1228
7.273.3.60 unsafe_arena_release_durations()	1228
7.273.3.61 unsafe_arena_release_probe_database()	1228
7.273.3.62 unsafe_arena_release_search_options()	1229
7.273.3.63 unsafe_arena_set_allocated_database()	1229
7.273.3.64 unsafe_arena_set_allocated_durations()	1229
7.273.3.65 unsafe_arena_set_allocated_probe_database()	1229
7.273.3.66 unsafe_arena_set_allocated_search_options()	1229
7.273.3.67 UnsafeArenaSwap()	1229
7.273.4 Friends And Related Function Documentation	1229
7.273.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1230
7.273.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1230
7.273.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1230
7.273.4.4 swap	1230
7.273.5 Member Data Documentation	1230
7.273.5.1 _class_data_	1230
7.273.5.2 kIndexInFileMessages	1230
7.274 briar::SearchDatabaseRequestDefaultTypeInternal Struct Reference	1231
7.274.1 Constructor & Destructor Documentation	1231
7.274.1.1 SearchDatabaseRequestDefaultTypeInternal()	1231
7.274.1.2 ~SearchDatabaseRequestDefaultTypeInternal()	1232
7.274.2 Member Data Documentation	1232
7.274.2.1	1232
7.274.2.2 _instance	1232
7.275 briar::SearchMatchInfo Class Reference	1232
7.275.1 Member Enumeration Documentation	1236
7.275.1.1 anonymous enum	1236
7.275.2 Constructor & Destructor Documentation	1236
7.275.2.1 SearchMatchInfo() [1/5]	1236
7.275.2.2 ~SearchMatchInfo()	1237
7.275.2.3 SearchMatchInfo() [2/5]	1237
7.275.2.4 SearchMatchInfo() [3/5]	1237
7.275.2.5 SearchMatchInfo() [4/5]	1237
7.275.2.6 SearchMatchInfo() [5/5]	1237
7.275.3 Member Function Documentation	1237
7.275.3.1 _InternalParse()	1237
7.275.3.2 _InternalSerialize()	1238

7.275.3.3 body()	1238
7.275.3.4 ByteSizeLong()	1238
7.275.3.5 Clear()	1238
7.275.3.6 clear_body()	1238
7.275.3.7 clear_entry_id_gallery()	1238
7.275.3.8 clear_entry_id_probe()	1238
7.275.3.9 clear_face()	1239
7.275.3.10 clear_gate()	1239
7.275.3.11 clear_integer_subject_id_gallery()	1239
7.275.3.12 clear_media_id()	1239
7.275.3.13 clear_score()	1239
7.275.3.14 clear_subject_id_gallery()	1239
7.275.3.15 clear_subject_id_probe()	1239
7.275.3.16 clear_subject_name()	1239
7.275.3.17 clear_theoretical_max()	1240
7.275.3.18 clear_theoretical_min()	1240
7.275.3.19 clear_uses_integer_subject_id_gallery()	1240
7.275.3.20 CopyFrom()	1240
7.275.3.21 default_instance()	1240
7.275.3.22 descriptor()	1240
7.275.3.23 entry_id_gallery()	1240
7.275.3.24 entry_id_probe()	1241
7.275.3.25 face()	1241
7.275.3.26 gate()	1241
7.275.3.27 GetCachedSize()	1241
7.275.3.28 GetClassData()	1241
7.275.3.29 GetDescriptor()	1241
7.275.3.30 GetMetadata()	1241
7.275.3.31 GetReflection()	1242
7.275.3.32 has_body()	1242
7.275.3.33 has_face()	1242
7.275.3.34 has_gate()	1242
7.275.3.35 integer_subject_id_gallery()	1242
7.275.3.36 internal_default_instance()	1242
7.275.3.37 IsInitialized()	1242
7.275.3.38 media_id()	1243
7.275.3.39 MergeFrom()	1243
7.275.3.40 mutable_body()	1243
7.275.3.41 mutable_entry_id_gallery()	1243
7.275.3.42 mutable_entry_id_probe()	1243
7.275.3.43 mutable_face()	1243
7.275.3.44 mutable_gate()	1243

7.275.3.45 mutable_media_id()	1244
7.275.3.46 mutable_subject_id_gallery()	1244
7.275.3.47 mutable_subject_id_probe()	1244
7.275.3.48 mutable_subject_name()	1244
7.275.3.49 New()	1244
7.275.3.50 operator=() [1/2]	1244
7.275.3.51 operator=() [2/2]	1244
7.275.3.52 release_body()	1245
7.275.3.53 release_entry_id_gallery()	1245
7.275.3.54 release_entry_id_probe()	1245
7.275.3.55 release_face()	1245
7.275.3.56 release_gate()	1245
7.275.3.57 release_media_id()	1245
7.275.3.58 release_subject_id_gallery()	1245
7.275.3.59 release_subject_id_probe()	1245
7.275.3.60 release_subject_name()	1246
7.275.3.61 score()	1246
7.275.3.62 set_allocated_body()	1246
7.275.3.63 set_allocated_entry_id_gallery()	1246
7.275.3.64 set_allocated_entry_id_probe()	1246
7.275.3.65 set_allocated_face()	1246
7.275.3.66 set_allocated_gate()	1246
7.275.3.67 set_allocated_media_id()	1247
7.275.3.68 set_allocated_subject_id_gallery()	1247
7.275.3.69 set_allocated_subject_id_probe()	1247
7.275.3.70 set_allocated_subject_name()	1247
7.275.3.71 set_entry_id_gallery() [1/2]	1247
7.275.3.72 set_entry_id_gallery() [2/2]	1247
7.275.3.73 set_entry_id_probe() [1/2]	1248
7.275.3.74 set_entry_id_probe() [2/2]	1248
7.275.3.75 set_integer_subject_id_gallery()	1248
7.275.3.76 set_media_id() [1/2]	1248
7.275.3.77 set_media_id() [2/2]	1248
7.275.3.78 set_score()	1248
7.275.3.79 set_subject_id_gallery() [1/2]	1249
7.275.3.80 set_subject_id_gallery() [2/2]	1249
7.275.3.81 set_subject_id_probe() [1/2]	1249
7.275.3.82 set_subject_id_probe() [2/2]	1249
7.275.3.83 set_subject_name() [1/2]	1249
7.275.3.84 set_subject_name() [2/2]	1249
7.275.3.85 set_theoretical_max()	1250
7.275.3.86 set_theoretical_min()	1250

7.275.3.87 set_uses_integer_subject_id_gallery()	1250
7.275.3.88 subject_id_gallery()	1250
7.275.3.89 subject_id_probe()	1250
7.275.3.90 subject_name()	1250
7.275.3.91 Swap()	1250
7.275.3.92 theoretical_max()	1251
7.275.3.93 theoretical_min()	1251
7.275.3.94 unsafe_arena_release_body()	1251
7.275.3.95 unsafe_arena_release_face()	1251
7.275.3.96 unsafe_arena_release_gate()	1251
7.275.3.97 unsafe_arena_set_allocated_body()	1251
7.275.3.98 unsafe_arena_set_allocated_face()	1251
7.275.3.99 unsafe_arena_set_allocated_gate()	1252
7.275.3.100 UnsafeArenaSwap()	1252
7.275.3.101 uses_integer_subject_id_gallery()	1252
7.275.4 Friends And Related Function Documentation	1252
7.275.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1252
7.275.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1252
7.275.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	1252
7.275.4.4 swap	1252
7.275.5 Member Data Documentation	1253
7.275.5.1 _class_data_	1253
7.275.5.2 kIndexInFileMessages	1253
7.276 briar::SearchMatchInfoDefaultTypeInternal Struct Reference	1253
7.276.1 Constructor & Destructor Documentation	1254
7.276.1.1 SearchMatchInfoDefaultTypeInternal()	1254
7.276.1.2 ~SearchMatchInfoDefaultTypeInternal()	1254
7.276.2 Member Data Documentation	1254
7.276.2.1	1254
7.276.2.2 _instance	1254
7.277 briar::SearchMatchList Class Reference	1255
7.277.1 Member Enumeration Documentation	1257
7.277.1.1 anonymous enum	1257
7.277.2 Constructor & Destructor Documentation	1257
7.277.2.1 SearchMatchList() [1/5]	1257
7.277.2.2 ~SearchMatchList()	1257
7.277.2.3 SearchMatchList() [2/5]	1257
7.277.2.4 SearchMatchList() [3/5]	1258
7.277.2.5 SearchMatchList() [4/5]	1258
7.277.2.6 SearchMatchList() [5/5]	1258
7.277.3 Member Function Documentation	1258
7.277.3.1 _InternalParse()	1258

7.277.3.2 <code>_InternalSerialize()</code>	1258
7.277.3.3 <code>add_match_list()</code>	1258
7.277.3.4 <code>ByteSizeLong()</code>	1259
7.277.3.5 <code>Clear()</code>	1259
7.277.3.6 <code>clear_match_list()</code>	1259
7.277.3.7 <code>CopyFrom()</code>	1259
7.277.3.8 <code>default_instance()</code>	1259
7.277.3.9 <code>descriptor()</code>	1259
7.277.3.10 <code>GetCachedSize()</code>	1259
7.277.3.11 <code>GetClassData()</code>	1260
7.277.3.12 <code>GetDescriptor()</code>	1260
7.277.3.13 <code>GetMetadata()</code>	1260
7.277.3.14 <code>GetReflection()</code>	1260
7.277.3.15 <code>internal_default_instance()</code>	1260
7.277.3.16 <code>IsInitialized()</code>	1260
7.277.3.17 <code>match_list() [1/2]</code>	1260
7.277.3.18 <code>match_list() [2/2]</code>	1261
7.277.3.19 <code>match_list_size()</code>	1261
7.277.3.20 <code>MergeFrom()</code>	1261
7.277.3.21 <code>mutable_match_list() [1/2]</code>	1261
7.277.3.22 <code>mutable_match_list() [2/2]</code>	1261
7.277.3.23 <code>New()</code>	1261
7.277.3.24 <code>operator=() [1/2]</code>	1261
7.277.3.25 <code>operator=() [2/2]</code>	1262
7.277.3.26 <code>Swap()</code>	1262
7.277.3.27 <code>UnsafeArenaSwap()</code>	1262
7.277.4 Friends And Related Function Documentation	1262
7.277.4.1 <code>::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper</code>	1262
7.277.4.2 <code>::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata</code>	1262
7.277.4.3 <code>::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto</code>	1262
7.277.4.4 <code>swap</code>	1262
7.277.5 Member Data Documentation	1263
7.277.5.1 <code>_class_data_</code>	1263
7.277.5.2 <code>kIndexInFileMessages</code>	1263
7.278 briar::SearchMatchListDefaultTypeInternal Struct Reference	1263
7.278.1 Constructor & Destructor Documentation	1264
7.278.1.1 <code>SearchMatchListDefaultTypeInternal()</code>	1264
7.278.1.2 <code>~SearchMatchListDefaultTypeInternal()</code>	1264
7.278.2 Member Data Documentation	1264
7.278.2.1	1264
7.278.2.2 <code>_instance</code>	1264
7.279 briar::SearchOptions Class Reference	1265

7.279.1 Member Enumeration Documentation	1268
7.279.1.1 anonymous enum	1268
7.279.2 Constructor & Destructor Documentation	1269
7.279.2.1 SearchOptions() [1/5]	1269
7.279.2.2 ~SearchOptions()	1269
7.279.2.3 SearchOptions() [2/5]	1269
7.279.2.4 SearchOptions() [3/5]	1269
7.279.2.5 SearchOptions() [4/5]	1270
7.279.2.6 SearchOptions() [5/5]	1270
7.279.3 Member Function Documentation	1270
7.279.3.1 _InternalParse()	1270
7.279.3.2 _InternalSerialize()	1270
7.279.3.3 ByteSizeLong()	1270
7.279.3.4 Clear()	1270
7.279.3.5 clear_flag()	1271
7.279.3.6 clear_full()	1271
7.279.3.7 clear_max_results()	1271
7.279.3.8 clear_modality()	1271
7.279.3.9 clear_out_dir()	1271
7.279.3.10 clear_output_type()	1271
7.279.3.11 clear_probe_database()	1271
7.279.3.12 clear_return_matrix()	1271
7.279.3.13 clear_return_media()	1272
7.279.3.14 clear_search_batch()	1272
7.279.3.15 clear_search_database()	1272
7.279.3.16 clear_search_threshold()	1272
7.279.3.17 clear_use_detections()	1272
7.279.3.18 clear_use_templates()	1272
7.279.3.19 CopyFrom()	1272
7.279.3.20 default_instance()	1273
7.279.3.21 descriptor()	1273
7.279.3.22 flag()	1273
7.279.3.23 full()	1273
7.279.3.24 GetCachedSize()	1273
7.279.3.25 GetClassData()	1273
7.279.3.26 GetDescriptor()	1273
7.279.3.27 GetMetadata()	1274
7.279.3.28 GetReflection()	1274
7.279.3.29 has_full()	1274
7.279.3.30 has_max_results()	1274
7.279.3.31 has_out_dir()	1274
7.279.3.32 has_output_type()	1274

7.279.3.33 has_probe_database()	1274
7.279.3.34 has_return_matrix()	1275
7.279.3.35 has_return_media()	1275
7.279.3.36 has_search_batch()	1275
7.279.3.37 has_search_database()	1275
7.279.3.38 has_search_threshold()	1275
7.279.3.39 has_use_detections()	1275
7.279.3.40 has_use_templates()	1275
7.279.3.41 internal_default_instance()	1275
7.279.3.42 IsInitialized()	1276
7.279.3.43 max_results()	1276
7.279.3.44 MergeFrom()	1276
7.279.3.45 modality()	1276
7.279.3.46 mutable_full()	1276
7.279.3.47 mutable_max_results()	1276
7.279.3.48 mutable_out_dir()	1276
7.279.3.49 mutable_output_type()	1277
7.279.3.50 mutable_probe_database()	1277
7.279.3.51 mutable_return_matrix()	1277
7.279.3.52 mutable_return_media()	1277
7.279.3.53 mutable_search_batch()	1277
7.279.3.54 mutable_search_database()	1277
7.279.3.55 mutable_search_threshold()	1277
7.279.3.56 mutable_use_detections()	1277
7.279.3.57 mutable_use_templates()	1278
7.279.3.58 New()	1278
7.279.3.59 operator=() [1/2]	1278
7.279.3.60 operator=() [2/2]	1278
7.279.3.61 out_dir()	1278
7.279.3.62 output_type()	1278
7.279.3.63 probe_database()	1278
7.279.3.64 release_full()	1279
7.279.3.65 release_max_results()	1279
7.279.3.66 release_out_dir()	1279
7.279.3.67 release_output_type()	1279
7.279.3.68 release_probe_database()	1279
7.279.3.69 release_return_matrix()	1279
7.279.3.70 release_return_media()	1279
7.279.3.71 release_search_batch()	1279
7.279.3.72 release_search_database()	1280
7.279.3.73 release_search_threshold()	1280
7.279.3.74 release_use_detections()	1280

7.279.3.75 release_use_templates()	1280
7.279.3.76 return_matrix()	1280
7.279.3.77 return_media()	1280
7.279.3.78 search_batch()	1280
7.279.3.79 search_database()	1280
7.279.3.80 search_threshold()	1281
7.279.3.81 set_allocated_full()	1281
7.279.3.82 set_allocated_max_results()	1281
7.279.3.83 set_allocated_out_dir()	1281
7.279.3.84 set_allocated_output_type()	1281
7.279.3.85 set_allocated_probe_database()	1281
7.279.3.86 set_allocated_return_matrix()	1281
7.279.3.87 set_allocated_return_media()	1282
7.279.3.88 set_allocated_search_batch()	1282
7.279.3.89 set_allocated_search_database()	1282
7.279.3.90 set_allocated_search_threshold()	1282
7.279.3.91 set_allocated_use_detections()	1282
7.279.3.92 set_allocated_use_templates()	1282
7.279.3.93 set_flag()	1282
7.279.3.94 set_modality()	1283
7.279.3.95 Swap()	1283
7.279.3.96 unsafe_arena_release_full()	1283
7.279.3.97 unsafe_arena_release_max_results()	1283
7.279.3.98 unsafe_arena_release_out_dir()	1283
7.279.3.99 unsafe_arena_release_output_type()	1283
7.279.3.100 unsafe_arena_release_probe_database()	1283
7.279.3.101 unsafe_arena_release_return_matrix()	1284
7.279.3.102 unsafe_arena_release_return_media()	1284
7.279.3.103 unsafe_arena_release_search_batch()	1284
7.279.3.104 unsafe_arena_release_search_database()	1284
7.279.3.105 unsafe_arena_release_search_threshold()	1284
7.279.3.106 unsafe_arena_release_use_detections()	1284
7.279.3.107 unsafe_arena_release_use_templates()	1284
7.279.3.108 unsafe_arena_set_allocated_full()	1284
7.279.3.109 unsafe_arena_set_allocated_max_results()	1285
7.279.3.110 unsafe_arena_set_allocated_out_dir()	1285
7.279.3.111 unsafe_arena_set_allocated_output_type()	1285
7.279.3.112 unsafe_arena_set_allocated_probe_database()	1285
7.279.3.113 unsafe_arena_set_allocated_return_matrix()	1285
7.279.3.114 unsafe_arena_set_allocated_return_media()	1285
7.279.3.115 unsafe_arena_set_allocated_search_batch()	1285
7.279.3.116 unsafe_arena_set_allocated_search_database()	1286

7.279.3.117 unsafe_arena_set_allocated_search_threshold()	1286
7.279.3.118 unsafe_arena_set_allocated_use_detections()	1286
7.279.3.119 unsafe_arena_set_allocated_use_templates()	1286
7.279.3.120 UnsafeArenaSwap()	1286
7.279.3.121 use_detections()	1286
7.279.3.122 use_templates()	1286
7.279.4 Friends And Related Function Documentation	1287
7.279.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1287
7.279.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1287
7.279.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	1287
7.279.4.4 swap	1287
7.279.5 Member Data Documentation	1287
7.279.5.1 _class_data	1287
7.279.5.2 kIndexInFileMessages	1288
7.280 briar::SearchOptionsDefaultTypeInternal Struct Reference	1288
7.280.1 Constructor & Destructor Documentation	1289
7.280.1.1 SearchOptionsDefaultTypeInternal()	1289
7.280.1.2 ~SearchOptionsDefaultTypeInternal()	1289
7.280.2 Member Data Documentation	1289
7.280.2.1	1289
7.280.2.2 _instance	1289
7.281 briar::SearchReply Class Reference	1290
7.281.1 Member Enumeration Documentation	1293
7.281.1.1 anonymous enum	1293
7.281.2 Constructor & Destructor Documentation	1293
7.281.2.1 SearchReply() [1/5]	1293
7.281.2.2 ~SearchReply()	1293
7.281.2.3 SearchReply() [2/5]	1293
7.281.2.4 SearchReply() [3/5]	1294
7.281.2.5 SearchReply() [4/5]	1294
7.281.2.6 SearchReply() [5/5]	1294
7.281.3 Member Function Documentation	1294
7.281.3.1 _InternalParse()	1294
7.281.3.2 _InternalSerialize()	1294
7.281.3.3 add_probe_detections()	1294
7.281.3.4 add_similarities()	1295
7.281.3.5 ByteSizeLong()	1295
7.281.3.6 Clear()	1295
7.281.3.7 clear_detect_reply()	1295
7.281.3.8 clear_durations()	1295
7.281.3.9 clear_errors()	1295
7.281.3.10 clear_extract_reply()	1295

7.281.3.11 clear_probe_detections()	1295
7.281.3.12 clear_progress()	1296
7.281.3.13 clear_progress_only_reply()	1296
7.281.3.14 clear_similarities()	1296
7.281.3.15 CopyFrom()	1296
7.281.3.16 default_instance()	1296
7.281.3.17 descriptor()	1296
7.281.3.18 detect_reply()	1296
7.281.3.19 durations()	1297
7.281.3.20 errors()	1297
7.281.3.21 extract_reply()	1297
7.281.3.22 GetCachedSize()	1297
7.281.3.23 GetClassData()	1297
7.281.3.24 GetDescriptor()	1297
7.281.3.25 GetMetadata()	1297
7.281.3.26 GetReflection()	1298
7.281.3.27 has_detect_reply()	1298
7.281.3.28 has_durations()	1298
7.281.3.29 has_errors()	1298
7.281.3.30 has_extract_reply()	1298
7.281.3.31 has_progress()	1298
7.281.3.32 internal_default_instance()	1298
7.281.3.33 IsInitialized()	1299
7.281.3.34 MergeFrom()	1299
7.281.3.35 mutable_detect_reply()	1299
7.281.3.36 mutable_durations()	1299
7.281.3.37 mutable_errors()	1299
7.281.3.38 mutable_extract_reply()	1299
7.281.3.39 mutable_probe_detections() [1/2]	1299
7.281.3.40 mutable_probe_detections() [2/2]	1300
7.281.3.41 mutable_progress()	1300
7.281.3.42 mutable_similarities() [1/2]	1300
7.281.3.43 mutable_similarities() [2/2]	1300
7.281.3.44 New()	1300
7.281.3.45 operator=() [1/2]	1300
7.281.3.46 operator=() [2/2]	1300
7.281.3.47 probe_detections() [1/2]	1301
7.281.3.48 probe_detections() [2/2]	1301
7.281.3.49 probe_detections_size()	1301
7.281.3.50 progress()	1301
7.281.3.51 progress_only_reply()	1301
7.281.3.52 release_detect_reply()	1301

7.281.3.53 release_durations()	1301
7.281.3.54 release_errors()	1302
7.281.3.55 release_extract_reply()	1302
7.281.3.56 release_progress()	1302
7.281.3.57 set_allocated_detect_reply()	1302
7.281.3.58 set_allocated_durations()	1302
7.281.3.59 set_allocated_errors()	1302
7.281.3.60 set_allocated_extract_reply()	1302
7.281.3.61 set_allocated_progress()	1303
7.281.3.62 set_progress_only_reply()	1303
7.281.3.63 similarities() [1/2]	1303
7.281.3.64 similarities() [2/2]	1303
7.281.3.65 similarities_size()	1303
7.281.3.66 Swap()	1303
7.281.3.67 unsafe_arena_release_detect_reply()	1303
7.281.3.68 unsafe_arena_release_durations()	1304
7.281.3.69 unsafe_arena_release_errors()	1304
7.281.3.70 unsafe_arena_release_extract_reply()	1304
7.281.3.71 unsafe_arena_release_progress()	1304
7.281.3.72 unsafe_arena_set_allocated_detect_reply()	1304
7.281.3.73 unsafe_arena_set_allocated_durations()	1304
7.281.3.74 unsafe_arena_set_allocated_errors()	1304
7.281.3.75 unsafe_arena_set_allocated_extract_reply()	1305
7.281.3.76 unsafe_arena_set_allocated_progress()	1305
7.281.3.77 UnsafeArenaSwap()	1305
7.281.4 Friends And Related Function Documentation	1305
7.281.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1305
7.281.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1305
7.281.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1305
7.281.4.4 swap	1305
7.281.5 Member Data Documentation	1306
7.281.5.1 _class_data	1306
7.281.5.2 kIndexInFileMessages	1306
7.282 briar::SearchReplyDefaultTypeInternal Struct Reference	1306
7.282.1 Constructor & Destructor Documentation	1307
7.282.1.1 SearchReplyDefaultTypeInternal()	1307
7.282.1.2 ~SearchReplyDefaultTypeInternal()	1307
7.282.2 Member Data Documentation	1307
7.282.2.1	1307
7.282.2.2 _instance	1307
7.283 briar::SearchRequest Class Reference	1308
7.283.1 Member Enumeration Documentation	1311

7.283.1.1 anonymous enum	1311
7.283.2 Constructor & Destructor Documentation	1311
7.283.2.1 SearchRequest() [1/5]	1311
7.283.2.2 ~SearchRequest()	1311
7.283.2.3 SearchRequest() [2/5]	1312
7.283.2.4 SearchRequest() [3/5]	1312
7.283.2.5 SearchRequest() [4/5]	1312
7.283.2.6 SearchRequest() [5/5]	1312
7.283.3 Member Function Documentation	1312
7.283.3.1 _InternalParse()	1312
7.283.3.2 _InternalSerialize()	1312
7.283.3.3 add_detections()	1313
7.283.3.4 ByteSizeLong()	1313
7.283.3.5 Clear()	1313
7.283.3.6 clear_database()	1313
7.283.3.7 clear_detect_options()	1313
7.283.3.8 clear_detections()	1313
7.283.3.9 clear_durations()	1313
7.283.3.10 clear_extract_options()	1313
7.283.3.11 clear_media()	1314
7.283.3.12 clear_probes()	1314
7.283.3.13 clear_search_options()	1314
7.283.3.14 CopyFrom()	1314
7.283.3.15 database()	1314
7.283.3.16 default_instance()	1314
7.283.3.17 descriptor()	1314
7.283.3.18 detect_options()	1315
7.283.3.19 detections() [1/2]	1315
7.283.3.20 detections() [2/2]	1315
7.283.3.21 detections_size()	1315
7.283.3.22 durations()	1315
7.283.3.23 extract_options()	1315
7.283.3.24 GetCachedSize()	1315
7.283.3.25 GetClassData()	1316
7.283.3.26 GetDescriptor()	1316
7.283.3.27 GetMetadata()	1316
7.283.3.28 GetReflection()	1316
7.283.3.29 has_database()	1316
7.283.3.30 has_detect_options()	1316
7.283.3.31 has_durations()	1316
7.283.3.32 has_extract_options()	1317
7.283.3.33 has_media()	1317

7.283.3.34 has_probes()	1317
7.283.3.35 has_search_options()	1317
7.283.3.36 internal_default_instance()	1317
7.283.3.37 IsInitialized()	1317
7.283.3.38 media()	1317
7.283.3.39 MergeFrom()	1318
7.283.3.40 mutable_database()	1318
7.283.3.41 mutable_detect_options()	1318
7.283.3.42 mutable_detections() [1/2]	1318
7.283.3.43 mutable_detections() [2/2]	1318
7.283.3.44 mutable_durations()	1318
7.283.3.45 mutable_extract_options()	1318
7.283.3.46 mutable_media()	1319
7.283.3.47 mutable_probes()	1319
7.283.3.48 mutable_search_options()	1319
7.283.3.49 New()	1319
7.283.3.50 operator=() [1/2]	1319
7.283.3.51 operator=() [2/2]	1319
7.283.3.52 probes()	1319
7.283.3.53 release_database()	1320
7.283.3.54 release_detect_options()	1320
7.283.3.55 release_durations()	1320
7.283.3.56 release_extract_options()	1320
7.283.3.57 release_media()	1320
7.283.3.58 release_probes()	1320
7.283.3.59 release_search_options()	1320
7.283.3.60 search_options()	1320
7.283.3.61 set_allocated_database()	1321
7.283.3.62 set_allocated_detect_options()	1321
7.283.3.63 set_allocated_durations()	1321
7.283.3.64 set_allocated_extract_options()	1321
7.283.3.65 set_allocated_media()	1321
7.283.3.66 set_allocated_probes()	1321
7.283.3.67 set_allocated_search_options()	1321
7.283.3.68 Swap()	1322
7.283.3.69 unsafe_arena_release_database()	1322
7.283.3.70 unsafe_arena_release_detect_options()	1322
7.283.3.71 unsafe_arena_release_durations()	1322
7.283.3.72 unsafe_arena_release_extract_options()	1322
7.283.3.73 unsafe_arena_release_media()	1322
7.283.3.74 unsafe_arena_release_probes()	1322
7.283.3.75 unsafe_arena_release_search_options()	1323

7.283.3.76 unsafe_arena_set_allocated_database()	1323
7.283.3.77 unsafe_arena_set_allocated_detect_options()	1323
7.283.3.78 unsafe_arena_set_allocated_durations()	1323
7.283.3.79 unsafe_arena_set_allocated_extract_options()	1323
7.283.3.80 unsafe_arena_set_allocated_media()	1323
7.283.3.81 unsafe_arena_set_allocated_probes()	1323
7.283.3.82 unsafe_arena_set_allocated_search_options()	1324
7.283.3.83 UnsafeArenaSwap()	1324
7.283.4 Friends And Related Function Documentation	1324
7.283.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1324
7.283.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1324
7.283.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1324
7.283.4.4 swap	1324
7.283.5 Member Data Documentation	1324
7.283.5.1 _class_data_	1325
7.283.5.2 kIndexInFileMessages	1325
7.284 briar::SearchRequestDefaultTypeInternal Struct Reference	1325
7.284.1 Constructor & Destructor Documentation	1326
7.284.1.1 SearchRequestDefaultTypeInternal()	1326
7.284.1.2 ~SearchRequestDefaultTypeInternal()	1326
7.284.2 Member Data Documentation	1326
7.284.2.1	1326
7.284.2.2 _instance	1326
7.285 briar::StatusReply Class Reference	1327
7.285.1 Member Enumeration Documentation	1329
7.285.1.1 anonymous enum	1329
7.285.2 Constructor & Destructor Documentation	1330
7.285.2.1 StatusReply() [1/5]	1330
7.285.2.2 ~StatusReply()	1330
7.285.2.3 StatusReply() [2/5]	1330
7.285.2.4 StatusReply() [3/5]	1330
7.285.2.5 StatusReply() [4/5]	1330
7.285.2.6 StatusReply() [5/5]	1331
7.285.3 Member Function Documentation	1331
7.285.3.1 _InternalParse()	1331
7.285.3.2 _InternalSerialize()	1331
7.285.3.3 add_configuration()	1331
7.285.3.4 api_version()	1331
7.285.3.5 ByteSizeLong()	1331
7.285.3.6 Clear()	1332
7.285.3.7 clear_api_version()	1332
7.285.3.8 clear_configuration()	1332

7.285.3.9 clear_dev_short()	1332
7.285.3.10 clear_developer_name()	1332
7.285.3.11 clear_service_name()	1332
7.285.3.12 clear_status()	1332
7.285.3.13 clear_version()	1332
7.285.3.14 configuration() [1/2]	1333
7.285.3.15 configuration() [2/2]	1333
7.285.3.16 configuration_size()	1333
7.285.3.17 CopyFrom()	1333
7.285.3.18 default_instance()	1333
7.285.3.19 descriptor()	1333
7.285.3.20 dev_short()	1333
7.285.3.21 developer_name()	1334
7.285.3.22 GetCachedSize()	1334
7.285.3.23 GetClassData()	1334
7.285.3.24 GetDescriptor()	1334
7.285.3.25 GetMetadata()	1334
7.285.3.26 GetReflection()	1334
7.285.3.27 has_api_version()	1334
7.285.3.28 has_version()	1335
7.285.3.29 internal_default_instance()	1335
7.285.3.30 IsInitialized()	1335
7.285.3.31 MergeFrom()	1335
7.285.3.32 mutable_api_version()	1335
7.285.3.33 mutable_configuration() [1/2]	1335
7.285.3.34 mutable_configuration() [2/2]	1335
7.285.3.35 mutable_dev_short()	1336
7.285.3.36 mutable_developer_name()	1336
7.285.3.37 mutable_service_name()	1336
7.285.3.38 mutable_version()	1336
7.285.3.39 New()	1336
7.285.3.40 operator=() [1/2]	1336
7.285.3.41 operator=() [2/2]	1336
7.285.3.42 release_api_version()	1337
7.285.3.43 release_dev_short()	1337
7.285.3.44 release_developer_name()	1337
7.285.3.45 release_service_name()	1337
7.285.3.46 release_version()	1337
7.285.3.47 service_name()	1337
7.285.3.48 set_allocated_api_version()	1337
7.285.3.49 set_allocated_dev_short()	1338
7.285.3.50 set_allocated_developer_name()	1338

7.285.3.51 set_allocated_service_name()	1338
7.285.3.52 set_allocated_version()	1338
7.285.3.53 set_dev_short() [1/2]	1338
7.285.3.54 set_dev_short() [2/2]	1338
7.285.3.55 set_developer_name() [1/2]	1339
7.285.3.56 set_developer_name() [2/2]	1339
7.285.3.57 set_service_name() [1/2]	1339
7.285.3.58 set_service_name() [2/2]	1339
7.285.3.59 set_status()	1339
7.285.3.60 status()	1339
7.285.3.61 Swap()	1340
7.285.3.62 unsafe_arena_release_api_version()	1340
7.285.3.63 unsafe_arena_release_version()	1340
7.285.3.64 unsafe_arena_set_allocated_api_version()	1340
7.285.3.65 unsafe_arena_set_allocated_version()	1340
7.285.3.66 UnsafeArenaSwap()	1340
7.285.3.67 version()	1340
7.285.4 Friends And Related Function Documentation	1341
7.285.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1341
7.285.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1341
7.285.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1341
7.285.4.4 swap	1341
7.285.5 Member Data Documentation	1341
7.285.5.1 _class_data_	1341
7.285.5.2 kIndexInFileMessages	1342
7.286 briar::StatusReplyDefaultTypeInternal Struct Reference	1342
7.286.1 Constructor & Destructor Documentation	1343
7.286.1.1 StatusReplyDefaultTypeInternal()	1343
7.286.1.2 ~StatusReplyDefaultTypeInternal()	1343
7.286.2 Member Data Documentation	1343
7.286.2.1	1343
7.286.2.2 _instance	1343
7.287 briar::StatusRequest Class Reference	1344
7.287.1 Constructor & Destructor Documentation	1345
7.287.1.1 StatusRequest() [1/5]	1345
7.287.1.2 StatusRequest() [2/5]	1345
7.287.1.3 StatusRequest() [3/5]	1345
7.287.1.4 StatusRequest() [4/5]	1346
7.287.1.5 StatusRequest() [5/5]	1346
7.287.2 Member Function Documentation	1346
7.287.2.1 CopyFrom()	1346
7.287.2.2 default_instance()	1346

7.287.2.3 descriptor()	1346
7.287.2.4 GetClassData()	1346
7.287.2.5 GetDescriptor()	1347
7.287.2.6 GetMetadata()	1347
7.287.2.7 GetReflection()	1347
7.287.2.8 internal_default_instance()	1347
7.287.2.9 MergeFrom()	1347
7.287.2.10 New()	1347
7.287.2.11 operator=() [1/2]	1347
7.287.2.12 operator=() [2/2]	1348
7.287.2.13 Swap()	1348
7.287.2.14 UnsafeArenaSwap()	1348
7.287.3 Friends And Related Function Documentation	1348
7.287.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1348
7.287.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1348
7.287.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1348
7.287.3.4 swap	1348
7.287.4 Member Data Documentation	1349
7.287.4.1 _class_data_	1349
7.287.4.2 kIndexInFileMessages	1349
7.288 briar::StatusRequestDefaultTypeInternal Struct Reference	1349
7.288.1 Constructor & Destructor Documentation	1350
7.288.1.1 StatusRequestDefaultTypeInternal()	1350
7.288.1.2 ~StatusRequestDefaultTypeInternal()	1350
7.288.2 Member Data Documentation	1350
7.288.2.1	1350
7.288.2.2 _instance	1350
7.289 briar::StringOption Class Reference	1351
7.289.1 Member Enumeration Documentation	1353
7.289.1.1 anonymous enum	1353
7.289.2 Constructor & Destructor Documentation	1353
7.289.2.1 StringOption() [1/5]	1353
7.289.2.2 ~StringOption()	1353
7.289.2.3 StringOption() [2/5]	1353
7.289.2.4 StringOption() [3/5]	1354
7.289.2.5 StringOption() [4/5]	1354
7.289.2.6 StringOption() [5/5]	1354
7.289.3 Member Function Documentation	1354
7.289.3.1 _InternalParse()	1354
7.289.3.2 _InternalSerialize()	1354
7.289.3.3 ByteSizeLong()	1354
7.289.3.4 Clear()	1355

7.289.3.5 clear_override_default()	1355
7.289.3.6 clear_value()	1355
7.289.3.7 CopyFrom()	1355
7.289.3.8 default_instance()	1355
7.289.3.9 descriptor()	1355
7.289.3.10 GetCachedSize()	1355
7.289.3.11 GetClassData()	1356
7.289.3.12 GetDescriptor()	1356
7.289.3.13 GetMetadata()	1356
7.289.3.14 GetReflection()	1356
7.289.3.15 internal_default_instance()	1356
7.289.3.16 IsInitialized()	1356
7.289.3.17 MergeFrom()	1356
7.289.3.18 mutable_value()	1357
7.289.3.19 New()	1357
7.289.3.20 operator=() [1/2]	1357
7.289.3.21 operator=() [2/2]	1357
7.289.3.22 override_default()	1357
7.289.3.23 release_value()	1357
7.289.3.24 set_allocated_value()	1357
7.289.3.25 set_override_default()	1358
7.289.3.26 set_value() [1/2]	1358
7.289.3.27 set_value() [2/2]	1358
7.289.3.28 Swap()	1358
7.289.3.29 UnsafeArenaSwap()	1358
7.289.3.30 value()	1358
7.289.4 Friends And Related Function Documentation	1358
7.289.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1359
7.289.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1359
7.289.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1359
7.289.4.4 swap	1359
7.289.5 Member Data Documentation	1359
7.289.5.1 _class_data_	1359
7.289.5.2 kIndexInFileMessages	1359
7.290 briar::StringOptionDefaultTypeInternal Struct Reference	1360
7.290.1 Constructor & Destructor Documentation	1360
7.290.1.1 StringOptionDefaultTypeInternal()	1360
7.290.1.2 ~StringOptionDefaultTypeInternal()	1361
7.290.2 Member Data Documentation	1361
7.290.2.1	1361
7.290.2.2 _instance	1361
7.291 TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto Struct Reference	1361

7.291.1 Member Data Documentation	1361
7.291.1.1 offsets	1361
7.292 TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto Struct Reference	1362
7.292.1 Member Data Documentation	1362
7.292.1.1 offsets	1362
7.293 TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto Struct Reference	1362
7.293.1 Member Data Documentation	1362
7.293.1.1 offsets	1362
7.294 briar::Template Class Reference	1363
7.294.1 Member Enumeration Documentation	1366
7.294.1.1 anonymous enum	1366
7.294.2 Constructor & Destructor Documentation	1366
7.294.2.1 Template() [1/5]	1366
7.294.2.2 ~Template()	1366
7.294.2.3 Template() [2/5]	1366
7.294.2.4 Template() [3/5]	1367
7.294.2.5 Template() [4/5]	1367
7.294.2.6 Template() [5/5]	1367
7.294.3 Member Function Documentation	1367
7.294.3.1 _InternalParse()	1367
7.294.3.2 _InternalSerialize()	1367
7.294.3.3 add_metadata()	1367
7.294.3.4 add_parts()	1368
7.294.3.5 algorithm()	1368
7.294.3.6 associated_detection_id()	1368
7.294.3.7 associated_tracklet_id()	1368
7.294.3.8 buffer()	1368
7.294.3.9 ByteSizeLong()	1368
7.294.3.10 Clear()	1368
7.294.3.11 clear_algorithm()	1368
7.294.3.12 clear_associated_detection_id()	1369
7.294.3.13 clear_associated_tracklet_id()	1369
7.294.3.14 clear_buffer()	1369
7.294.3.15 clear_data()	1369
7.294.3.16 clear_id()	1369
7.294.3.17 clear_metadata()	1369
7.294.3.18 clear_modality()	1369
7.294.3.19 clear_parts()	1369
7.294.3.20 CopyFrom()	1370
7.294.3.21 data()	1370
7.294.3.22 default_instance()	1370
7.294.3.23 descriptor()	1370

7.294.3.24 GetCachedSize()	1370
7.294.3.25 GetClassData()	1370
7.294.3.26 GetDescriptor()	1370
7.294.3.27 GetMetadata()	1371
7.294.3.28 GetReflection()	1371
7.294.3.29 has_data()	1371
7.294.3.30 id()	1371
7.294.3.31 internal_default_instance()	1371
7.294.3.32 IsInitialized()	1371
7.294.3.33 MergeFrom()	1371
7.294.3.34 metadata() [1/2]	1372
7.294.3.35 metadata() [2/2]	1372
7.294.3.36 metadata_size()	1372
7.294.3.37 modality()	1372
7.294.3.38 mutable_algorithm()	1372
7.294.3.39 mutable_buffer()	1372
7.294.3.40 mutable_data()	1372
7.294.3.41 mutable_id()	1373
7.294.3.42 mutable_metadata() [1/2]	1373
7.294.3.43 mutable_metadata() [2/2]	1373
7.294.3.44 mutable_parts() [1/2]	1373
7.294.3.45 mutable_parts() [2/2]	1373
7.294.3.46 New()	1373
7.294.3.47 operator=() [1/2]	1373
7.294.3.48 operator=() [2/2]	1374
7.294.3.49 parts() [1/2]	1374
7.294.3.50 parts() [2/2]	1374
7.294.3.51 parts_size()	1374
7.294.3.52 release_algorithm()	1374
7.294.3.53 release_buffer()	1374
7.294.3.54 release_data()	1374
7.294.3.55 release_id()	1375
7.294.3.56 set_algorithm() [1/2]	1375
7.294.3.57 set_algorithm() [2/2]	1375
7.294.3.58 set_allocated_algorithm()	1375
7.294.3.59 set_allocated_buffer()	1375
7.294.3.60 set_allocated_data()	1375
7.294.3.61 set_allocated_id()	1376
7.294.3.62 set_associated_detection_id()	1376
7.294.3.63 set_associated_tracklet_id()	1376
7.294.3.64 set_buffer() [1/2]	1376
7.294.3.65 set_buffer() [2/2]	1376

7.294.3.66 set_id() [1/2]	1376
7.294.3.67 set_id() [2/2]	1377
7.294.3.68 set_modality()	1377
7.294.3.69 Swap()	1377
7.294.3.70 unsafe_arena_release_data()	1377
7.294.3.71 unsafe_arena_set_allocated_data()	1377
7.294.3.72 UnsafeArenaSwap()	1377
7.294.4 Friends And Related Function Documentation	1377
7.294.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1378
7.294.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1378
7.294.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1378
7.294.4.4 swap	1378
7.294.5 Member Data Documentation	1378
7.294.5.1 _class_data_	1378
7.294.5.2 kIndexInFileMessages	1378
7.295 briar::TemplateData Class Reference	1379
7.295.1 Member Enumeration Documentation	1382
7.295.1.1 anonymous enum	1382
7.295.2 Constructor & Destructor Documentation	1382
7.295.2.1 TemplateData() [1/5]	1382
7.295.2.2 ~TemplateData()	1382
7.295.2.3 TemplateData() [2/5]	1382
7.295.2.4 TemplateData() [3/5]	1382
7.295.2.5 TemplateData() [4/5]	1383
7.295.2.6 TemplateData() [5/5]	1383
7.295.3 Member Function Documentation	1383
7.295.3.1 _InternalParse()	1383
7.295.3.2 _InternalSerialize()	1383
7.295.3.3 add_metadata()	1383
7.295.3.4 ByteSizeLong()	1383
7.295.3.5 Clear()	1384
7.295.3.6 clear_description()	1384
7.295.3.7 clear_key()	1384
7.295.3.8 clear_metadata()	1384
7.295.3.9 clear_modality()	1384
7.295.3.10 clear_source_id()	1384
7.295.3.11 clear_submodality()	1384
7.295.3.12 clear_tracklet_id()	1384
7.295.3.13 CopyFrom()	1385
7.295.3.14 default_instance()	1385
7.295.3.15 description()	1385
7.295.3.16 descriptor()	1385

7.295.3.17 GetCachedSize()	1385
7.295.3.18 GetClassData()	1385
7.295.3.19 GetDescriptor()	1385
7.295.3.20 GetMetadata()	1386
7.295.3.21 GetReflection()	1386
7.295.3.22 internal_default_instance()	1386
7.295.3.23 IsInitialized()	1386
7.295.3.24 key()	1386
7.295.3.25 MergeFrom()	1386
7.295.3.26 metadata() [1/2]	1386
7.295.3.27 metadata() [2/2]	1387
7.295.3.28 metadata_size()	1387
7.295.3.29 modality()	1387
7.295.3.30 mutable_description()	1387
7.295.3.31 mutable_key()	1387
7.295.3.32 mutable_metadata() [1/2]	1387
7.295.3.33 mutable_metadata() [2/2]	1387
7.295.3.34 mutable_source_id()	1388
7.295.3.35 mutable_submodality()	1388
7.295.3.36 mutable_tracklet_id()	1388
7.295.3.37 New()	1388
7.295.3.38 operator=() [1/2]	1388
7.295.3.39 operator=() [2/2]	1388
7.295.3.40 release_description()	1388
7.295.3.41 release_key()	1389
7.295.3.42 release_source_id()	1389
7.295.3.43 release_submodality()	1389
7.295.3.44 release_tracklet_id()	1389
7.295.3.45 set_allocated_description()	1389
7.295.3.46 set_allocated_key()	1389
7.295.3.47 set_allocated_source_id()	1389
7.295.3.48 set_allocated_submodality()	1390
7.295.3.49 set_allocated_tracklet_id()	1390
7.295.3.50 set_description() [1/2]	1390
7.295.3.51 set_description() [2/2]	1390
7.295.3.52 set_key() [1/2]	1390
7.295.3.53 set_key() [2/2]	1390
7.295.3.54 set_modality()	1391
7.295.3.55 set_source_id() [1/2]	1391
7.295.3.56 set_source_id() [2/2]	1391
7.295.3.57 set_submodality() [1/2]	1391
7.295.3.58 set_submodality() [2/2]	1391

7.295.3.59 set_tracklet_id() [1/2]	1391
7.295.3.60 set_tracklet_id() [2/2]	1392
7.295.3.61 source_id()	1392
7.295.3.62 submodality()	1392
7.295.3.63 Swap()	1392
7.295.3.64 tracklet_id()	1392
7.295.3.65 UnsafeArenaSwap()	1392
7.295.4 Friends And Related Function Documentation	1392
7.295.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1393
7.295.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1393
7.295.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1393
7.295.4.4 swap	1393
7.295.5 Member Data Documentation	1393
7.295.5.1 _class_data_	1393
7.295.5.2 kIndexInFileMessages	1393
7.296 briar::TemplateDataDefaultTypeInternal Struct Reference	1394
7.296.1 Constructor & Destructor Documentation	1394
7.296.1.1 TemplateDataDefaultTypeInternal()	1394
7.296.1.2 ~TemplateDataDefaultTypeInternal()	1395
7.296.2 Member Data Documentation	1395
7.296.2.1	1395
7.296.2.2 _instance	1395
7.297 briar::TemplateDefaultTypeInternal Struct Reference	1395
7.297.1 Constructor & Destructor Documentation	1396
7.297.1.1 TemplateDefaultTypeInternal()	1396
7.297.1.2 ~TemplateDefaultTypeInternal()	1396
7.297.2 Member Data Documentation	1396
7.297.2.1	1396
7.297.2.2 _instance	1396
7.298 briar::TemplateIds Class Reference	1397
7.298.1 Member Enumeration Documentation	1399
7.298.1.1 anonymous enum	1399
7.298.2 Constructor & Destructor Documentation	1399
7.298.2.1 TemplateIds() [1/5]	1399
7.298.2.2 ~TemplateIds()	1399
7.298.2.3 TemplateIds() [2/5]	1400
7.298.2.4 TemplateIds() [3/5]	1400
7.298.2.5 TemplateIds() [4/5]	1400
7.298.2.6 TemplateIds() [5/5]	1400
7.298.3 Member Function Documentation	1400
7.298.3.1 _InternalParse()	1400
7.298.3.2 _InternalSerialize()	1400

7.298.3.3 add_ids() [1/5]	1401
7.298.3.4 add_ids() [2/5]	1401
7.298.3.5 add_ids() [3/5]	1401
7.298.3.6 add_ids() [4/5]	1401
7.298.3.7 add_ids() [5/5]	1401
7.298.3.8 ByteSizeLong()	1401
7.298.3.9 Clear()	1401
7.298.3.10 clear_ids()	1402
7.298.3.11 clear_length()	1402
7.298.3.12 CopyFrom()	1402
7.298.3.13 default_instance()	1402
7.298.3.14 descriptor()	1402
7.298.3.15 GetCachedSize()	1402
7.298.3.16 GetClassData()	1402
7.298.3.17 GetDescriptor()	1403
7.298.3.18 GetMetadata()	1403
7.298.3.19 GetReflection()	1403
7.298.3.20 ids() [1/2]	1403
7.298.3.21 ids() [2/2]	1403
7.298.3.22 ids_size()	1403
7.298.3.23 internal_default_instance()	1403
7.298.3.24 IsInitialized()	1404
7.298.3.25 length()	1404
7.298.3.26 MergeFrom()	1404
7.298.3.27 mutable_ids() [1/2]	1404
7.298.3.28 mutable_ids() [2/2]	1404
7.298.3.29 New()	1404
7.298.3.30 operator=() [1/2]	1404
7.298.3.31 operator=() [2/2]	1405
7.298.3.32 set_ids() [1/4]	1405
7.298.3.33 set_ids() [2/4]	1405
7.298.3.34 set_ids() [3/4]	1405
7.298.3.35 set_ids() [4/4]	1405
7.298.3.36 set_length()	1405
7.298.3.37 Swap()	1406
7.298.3.38 UnsafeArenaSwap()	1406
7.298.4 Friends And Related Function Documentation	1406
7.298.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1406
7.298.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1406
7.298.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1406
7.298.4.4 swap	1406
7.298.5 Member Data Documentation	1406

7.298.5.1 <code>_class_data</code>	1407
7.298.5.2 <code>kIndexInFileMessages</code>	1407
7.299 <code>briar::TemplateIdsDefaultTypeInternal</code> Struct Reference	1407
7.299.1 Constructor & Destructor Documentation	1408
7.299.1.1 <code>TemplateIdsDefaultTypeInternal()</code>	1408
7.299.1.2 <code>~TemplateIdsDefaultTypeInternal()</code>	1408
7.299.2 Member Data Documentation	1408
7.299.2.1	1408
7.299.2.2 <code>_instance</code>	1408
7.300 <code>briar::TemplateImageInput</code> Class Reference	1409
7.300.1 Member Enumeration Documentation	1411
7.300.1.1 <code>anonymous enum</code>	1411
7.300.2 Constructor & Destructor Documentation	1411
7.300.2.1 <code>TemplateImageInput()</code> [1/5]	1411
7.300.2.2 <code>~TemplateImageInput()</code>	1411
7.300.2.3 <code>TemplateImageInput()</code> [2/5]	1411
7.300.2.4 <code>TemplateImageInput()</code> [3/5]	1412
7.300.2.5 <code>TemplateImageInput()</code> [4/5]	1412
7.300.2.6 <code>TemplateImageInput()</code> [5/5]	1412
7.300.3 Member Function Documentation	1412
7.300.3.1 <code>_InternalParse()</code>	1412
7.300.3.2 <code>_InternalSerialize()</code>	1412
7.300.3.3 <code>add_detections()</code>	1412
7.300.3.4 <code>ByteSizeLong()</code>	1413
7.300.3.5 <code>Clear()</code>	1413
7.300.3.6 <code>clear_detections()</code>	1413
7.300.3.7 <code>clear_im()</code>	1413
7.300.3.8 <code>CopyFrom()</code>	1413
7.300.3.9 <code>default_instance()</code>	1413
7.300.3.10 <code>descriptor()</code>	1413
7.300.3.11 <code>detections()</code> [1/2]	1414
7.300.3.12 <code>detections()</code> [2/2]	1414
7.300.3.13 <code>detections_size()</code>	1414
7.300.3.14 <code>GetCachedSize()</code>	1414
7.300.3.15 <code>GetClassData()</code>	1414
7.300.3.16 <code>GetDescriptor()</code>	1414
7.300.3.17 <code>GetMetadata()</code>	1414
7.300.3.18 <code>GetReflection()</code>	1415
7.300.3.19 <code>has_im()</code>	1415
7.300.3.20 <code>im()</code>	1415
7.300.3.21 <code>internal_default_instance()</code>	1415
7.300.3.22 <code>IsInitialized()</code>	1415

7.300.3.23 MergeFrom()	1415
7.300.3.24 mutable_detections() [1/2]	1415
7.300.3.25 mutable_detections() [2/2]	1416
7.300.3.26 mutable_im()	1416
7.300.3.27 New()	1416
7.300.3.28 operator=() [1/2]	1416
7.300.3.29 operator=() [2/2]	1416
7.300.3.30 release_im()	1416
7.300.3.31 set_allocated_im()	1416
7.300.3.32 Swap()	1417
7.300.3.33 unsafe_arena_release_im()	1417
7.300.3.34 unsafe_arena_set_allocated_im()	1417
7.300.3.35 UnsafeArenaSwap()	1417
7.300.4 Friends And Related Function Documentation	1417
7.300.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1417
7.300.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1417
7.300.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1417
7.300.4.4 swap	1418
7.300.5 Member Data Documentation	1418
7.300.5.1 _class_data	1418
7.300.5.2 kIndexInFileMessages	1418
7.301 briar::TemplateImageInputDefaultTypeInternal Struct Reference	1419
7.301.1 Constructor & Destructor Documentation	1419
7.301.1.1 TemplateImageInputDefaultTypeInternal()	1419
7.301.1.2 ~TemplateImageInputDefaultTypeInternal()	1420
7.301.2 Member Data Documentation	1420
7.301.2.1	1420
7.301.2.2 _instance	1420
7.302 briar::TemplateList Class Reference	1420
7.302.1 Member Enumeration Documentation	1422
7.302.1.1 anonymous enum	1422
7.302.2 Constructor & Destructor Documentation	1422
7.302.2.1 TemplateList() [1/5]	1422
7.302.2.2 ~TemplateList()	1423
7.302.2.3 TemplateList() [2/5]	1423
7.302.2.4 TemplateList() [3/5]	1423
7.302.2.5 TemplateList() [4/5]	1423
7.302.2.6 TemplateList() [5/5]	1423
7.302.3 Member Function Documentation	1423
7.302.3.1 _InternalParse()	1423
7.302.3.2 _InternalSerialize()	1424
7.302.3.3 add_tmpls()	1424

7.302.3.4 ByteSizeLong()	1424
7.302.3.5 Clear()	1424
7.302.3.6 clear_tmpls()	1424
7.302.3.7 CopyFrom()	1424
7.302.3.8 default_instance()	1424
7.302.3.9 descriptor()	1425
7.302.3.10 GetCachedSize()	1425
7.302.3.11 GetClassData()	1425
7.302.3.12 GetDescriptor()	1425
7.302.3.13 GetMetadata()	1425
7.302.3.14 GetReflection()	1425
7.302.3.15 internal_default_instance()	1425
7.302.3.16 IsInitialized()	1426
7.302.3.17 MergeFrom()	1426
7.302.3.18 mutable_tmpls() [1/2]	1426
7.302.3.19 mutable_tmpls() [2/2]	1426
7.302.3.20 New()	1426
7.302.3.21 operator=() [1/2]	1426
7.302.3.22 operator=() [2/2]	1426
7.302.3.23 Swap()	1427
7.302.3.24 tmpls() [1/2]	1427
7.302.3.25 tmpls() [2/2]	1427
7.302.3.26 tmpls_size()	1427
7.302.3.27 UnsafeArenaSwap()	1427
7.302.4 Friends And Related Function Documentation	1427
7.302.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1427
7.302.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1428
7.302.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	1428
7.302.4.4 swap	1428
7.302.5 Member Data Documentation	1428
7.302.5.1 _class_data_	1428
7.302.5.2 kIndexInFileMessages	1428
7.303 briar::TemplateListDefaultTypeInternal Struct Reference	1429
7.303.1 Constructor & Destructor Documentation	1429
7.303.1.1 TemplateListDefaultTypeInternal()	1429
7.303.1.2 ~TemplateListDefaultTypeInternal()	1430
7.303.2 Member Data Documentation	1430
7.303.2.1	1430
7.303.2.2 _instance	1430
7.304 briar::TemplateListGroup Class Reference	1430
7.304.1 Member Enumeration Documentation	1432
7.304.1.1 anonymous enum	1432

7.304.2 Constructor & Destructor Documentation	1432
7.304.2.1 TemplateListGroup() [1/5]	1432
7.304.2.2 ~TemplateListGroup()	1433
7.304.2.3 TemplateListGroup() [2/5]	1433
7.304.2.4 TemplateListGroup() [3/5]	1433
7.304.2.5 TemplateListGroup() [4/5]	1433
7.304.2.6 TemplateListGroup() [5/5]	1433
7.304.3 Member Function Documentation	1433
7.304.3.1 _InternalParse()	1433
7.304.3.2 _InternalSerialize()	1434
7.304.3.3 add_group()	1434
7.304.3.4 ByteSizeLong()	1434
7.304.3.5 Clear()	1434
7.304.3.6 clear_group()	1434
7.304.3.7 CopyFrom()	1434
7.304.3.8 default_instance()	1434
7.304.3.9 descriptor()	1435
7.304.3.10 GetCachedSize()	1435
7.304.3.11 GetClassData()	1435
7.304.3.12 GetDescriptor()	1435
7.304.3.13 GetMetadata()	1435
7.304.3.14 GetReflection()	1435
7.304.3.15 group() [1/2]	1435
7.304.3.16 group() [2/2]	1436
7.304.3.17 group_size()	1436
7.304.3.18 internal_default_instance()	1436
7.304.3.19 IsInitialized()	1436
7.304.3.20 MergeFrom()	1436
7.304.3.21 mutable_group() [1/2]	1436
7.304.3.22 mutable_group() [2/2]	1436
7.304.3.23 New()	1437
7.304.3.24 operator=() [1/2]	1437
7.304.3.25 operator=() [2/2]	1437
7.304.3.26 Swap()	1437
7.304.3.27 UnsafeArenaSwap()	1437
7.304.4 Friends And Related Function Documentation	1437
7.304.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1437
7.304.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1438
7.304.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1438
7.304.4.4 swap	1438
7.304.5 Member Data Documentation	1438
7.304.5.1 _class_data_	1438

7.304.5.2 kIndexInFileMessages	1438
7.305 briar::TemplateListGroupDefaultTypeInternal Struct Reference	1439
7.305.1 Constructor & Destructor Documentation	1439
7.305.1.1 TemplateListGroupDefaultTypeInternal()	1439
7.305.1.2 ~TemplateListGroupDefaultTypeInternal()	1440
7.305.2 Member Data Documentation	1440
7.305.2.1	1440
7.305.2.2 _instance	1440
7.306 briar::TrackingOptions Class Reference	1440
7.306.1 Member Enumeration Documentation	1443
7.306.1.1 anonymous enum	1443
7.306.2 Constructor & Destructor Documentation	1443
7.306.2.1 TrackingOptions() [1/5]	1444
7.306.2.2 ~TrackingOptions()	1444
7.306.2.3 TrackingOptions() [2/5]	1444
7.306.2.4 TrackingOptions() [3/5]	1444
7.306.2.5 TrackingOptions() [4/5]	1444
7.306.2.6 TrackingOptions() [5/5]	1444
7.306.3 Member Function Documentation	1444
7.306.3.1 _InternalParse()	1445
7.306.3.2 _InternalSerialize()	1445
7.306.3.3 add_attributes()	1445
7.306.3.4 algorithm_id()	1445
7.306.3.5 attributes() [1/2]	1445
7.306.3.6 attributes() [2/2]	1445
7.306.3.7 attributes_size()	1445
7.306.3.8 ByteSizeLong()	1446
7.306.3.9 Clear()	1446
7.306.3.10 clear_algorithm_id()	1446
7.306.3.11 clear_attributes()	1446
7.306.3.12 clear_modality()	1446
7.306.3.13 clear_return_media()	1446
7.306.3.14 clear_threshold()	1446
7.306.3.15 clear_tracking_batch()	1446
7.306.3.16 clear_tracking_disable()	1447
7.306.3.17 CopyFrom()	1447
7.306.3.18 default_instance()	1447
7.306.3.19 descriptor()	1447
7.306.3.20 GetCachedSize()	1447
7.306.3.21 GetClassData()	1447
7.306.3.22 GetDescriptor()	1447
7.306.3.23 GetMetadata()	1448

7.306.3.24 GetReflection()	1448
7.306.3.25 has_algorithm_id()	1448
7.306.3.26 has_return_media()	1448
7.306.3.27 has_threshold()	1448
7.306.3.28 has_tracking_batch()	1448
7.306.3.29 has_tracking_disable()	1448
7.306.3.30 internal_default_instance()	1449
7.306.3.31 IsInitialized()	1449
7.306.3.32 MergeFrom()	1449
7.306.3.33 modality()	1449
7.306.3.34 mutable_algorithm_id()	1449
7.306.3.35 mutable_attributes() [1/2]	1449
7.306.3.36 mutable_attributes() [2/2]	1449
7.306.3.37 mutable_return_media()	1450
7.306.3.38 mutable_threshold()	1450
7.306.3.39 mutable_tracking_batch()	1450
7.306.3.40 mutable_tracking_disable()	1450
7.306.3.41 New()	1450
7.306.3.42 operator=() [1/2]	1450
7.306.3.43 operator=() [2/2]	1450
7.306.3.44 release_algorithm_id()	1451
7.306.3.45 release_return_media()	1451
7.306.3.46 release_threshold()	1451
7.306.3.47 release_tracking_batch()	1451
7.306.3.48 release_tracking_disable()	1451
7.306.3.49 return_media()	1451
7.306.3.50 set_allocated_algorithm_id()	1451
7.306.3.51 set_allocated_return_media()	1452
7.306.3.52 set_allocated_threshold()	1452
7.306.3.53 set_allocated_tracking_batch()	1452
7.306.3.54 set_allocated_tracking_disable()	1452
7.306.3.55 set_modality()	1452
7.306.3.56 Swap()	1452
7.306.3.57 threshold()	1452
7.306.3.58 tracking_batch()	1453
7.306.3.59 tracking_disable()	1453
7.306.3.60 unsafe_arena_release_algorithm_id()	1453
7.306.3.61 unsafe_arena_release_return_media()	1453
7.306.3.62 unsafe_arena_release_threshold()	1453
7.306.3.63 unsafe_arena_release_tracking_batch()	1453
7.306.3.64 unsafe_arena_release_tracking_disable()	1453
7.306.3.65 unsafe_arena_set_allocated_algorithm_id()	1453

7.306.3.66 unsafe_arena_set_allocated_return_media()	1454
7.306.3.67 unsafe_arena_set_allocated_threshold()	1454
7.306.3.68 unsafe_arena_set_allocated_tracking_batch()	1454
7.306.3.69 unsafe_arena_set_allocated_tracking_disable()	1454
7.306.3.70 UnsafeArenaSwap()	1454
7.306.4 Friends And Related Function Documentation	1454
7.306.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1454
7.306.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1455
7.306.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	1455
7.306.4.4 swap	1455
7.306.5 Member Data Documentation	1455
7.306.5.1 _class_data_	1455
7.306.5.2 kIndexInFileMessages	1455
7.307 briar::TrackingOptionsDefaultTypeInternal Struct Reference	1456
7.307.1 Constructor & Destructor Documentation	1456
7.307.1.1 TrackingOptionsDefaultTypeInternal()	1456
7.307.1.2 ~TrackingOptionsDefaultTypeInternal()	1457
7.307.2 Member Data Documentation	1457
7.307.2.1	1457
7.307.2.2 _instance	1457
7.308 briar::Tracklet Class Reference	1457
7.308.1 Member Enumeration Documentation	1460
7.308.1.1 anonymous enum	1460
7.308.2 Constructor & Destructor Documentation	1460
7.308.2.1 Tracklet() [1/5]	1460
7.308.2.2 ~Tracklet()	1460
7.308.2.3 Tracklet() [2/5]	1460
7.308.2.4 Tracklet() [3/5]	1461
7.308.2.5 Tracklet() [4/5]	1461
7.308.2.6 Tracklet() [5/5]	1461
7.308.3 Member Function Documentation	1461
7.308.3.1 _InternalParse()	1461
7.308.3.2 _InternalSerialize()	1461
7.308.3.3 add_attributes()	1461
7.308.3.4 add_detections()	1462
7.308.3.5 attributes() [1/2]	1462
7.308.3.6 attributes() [2/2]	1462
7.308.3.7 attributes_size()	1462
7.308.3.8 ByteSizeLong()	1462
7.308.3.9 Clear()	1462
7.308.3.10 clear_attributes()	1462
7.308.3.11 clear_detections()	1463

7.308.3.12 clear_options()	1463
7.308.3.13 clear_tracklet_class()	1463
7.308.3.14 clear_tracklet_id()	1463
7.308.3.15 CopyFrom()	1463
7.308.3.16 default_instance()	1463
7.308.3.17 descriptor()	1463
7.308.3.18 detections() [1/2]	1464
7.308.3.19 detections() [2/2]	1464
7.308.3.20 detections_size()	1464
7.308.3.21 GetCachedSize()	1464
7.308.3.22 GetClassData()	1464
7.308.3.23 GetDescriptor()	1464
7.308.3.24 GetMetadata()	1464
7.308.3.25 GetReflection()	1465
7.308.3.26 has_options()	1465
7.308.3.27 internal_default_instance()	1465
7.308.3.28 IsInitialized()	1465
7.308.3.29 MergeFrom()	1465
7.308.3.30 mutable_attributes() [1/2]	1465
7.308.3.31 mutable_attributes() [2/2]	1465
7.308.3.32 mutable_detections() [1/2]	1466
7.308.3.33 mutable_detections() [2/2]	1466
7.308.3.34 mutable_options()	1466
7.308.3.35 mutable_tracklet_class()	1466
7.308.3.36 New()	1466
7.308.3.37 operator=() [1/2]	1466
7.308.3.38 operator=() [2/2]	1466
7.308.3.39 options()	1467
7.308.3.40 release_options()	1467
7.308.3.41 release_tracklet_class()	1467
7.308.3.42 set_allocated_options()	1467
7.308.3.43 set_allocated_tracklet_class()	1467
7.308.3.44 set_tracklet_class() [1/2]	1467
7.308.3.45 set_tracklet_class() [2/2]	1467
7.308.3.46 set_tracklet_id()	1468
7.308.3.47 Swap()	1468
7.308.3.48 tracklet_class()	1468
7.308.3.49 tracklet_id()	1468
7.308.3.50 unsafe_arena_release_options()	1468
7.308.3.51 unsafe_arena_set_allocated_options()	1468
7.308.3.52 UnsafeArenaSwap()	1468
3.7.308.4 Friends And Related Function Documentation	1469

7.308.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1469
7.308.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1469
7.308.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1469
7.308.4.4 swap	1469
7.308.5 Member Data Documentation	1469
7.308.5.1 _class_data_	1469
7.308.5.2 kIndexInFileMessages	1470
7.309 briar::TrackletDefaultTypeInternal Struct Reference	1470
7.309.1 Constructor & Destructor Documentation	1471
7.309.1.1 TrackletDefaultTypeInternal()	1471
7.309.1.2 ~TrackletDefaultTypeInternal()	1471
7.309.2 Member Data Documentation	1471
7.309.2.1	1471
7.309.2.2 _instance	1471
7.310 briar::TrackReply Class Reference	1472
7.310.1 Member Enumeration Documentation	1474
7.310.1.1 anonymous enum	1474
7.310.2 Constructor & Destructor Documentation	1475
7.310.2.1 TrackReply() [1/5]	1475
7.310.2.2 ~TrackReply()	1475
7.310.2.3 TrackReply() [2/5]	1475
7.310.2.4 TrackReply() [3/5]	1475
7.310.2.5 TrackReply() [4/5]	1475
7.310.2.6 TrackReply() [5/5]	1476
7.310.3 Member Function Documentation	1476
7.310.3.1 _InternalParse()	1476
7.310.3.2 _InternalSerialize()	1476
7.310.3.3 add_frame_ids()	1476
7.310.3.4 add_tracklets()	1476
7.310.3.5 ByteSizeLong()	1476
7.310.3.6 Clear()	1477
7.310.3.7 clear_durations()	1477
7.310.3.8 clear_errors()	1477
7.310.3.9 clear_frame_ids()	1477
7.310.3.10 clear_modality()	1477
7.310.3.11 clear_progress()	1477
7.310.3.12 clear_progress_only_reply()	1477
7.310.3.13 clear_tracklets()	1477
7.310.3.14 CopyFrom()	1478
7.310.3.15 default_instance()	1478
7.310.3.16 descriptor()	1478
7.310.3.17 durations()	1478

7.310.3.18 errors()	1478
7.310.3.19 frame_ids() [1/2]	1478
7.310.3.20 frame_ids() [2/2]	1478
7.310.3.21 frame_ids_size()	1479
7.310.3.22 GetCachedSize()	1479
7.310.3.23 GetClassData()	1479
7.310.3.24 GetDescriptor()	1479
7.310.3.25 GetMetadata()	1479
7.310.3.26 GetReflection()	1479
7.310.3.27 has_durations()	1479
7.310.3.28 has_errors()	1480
7.310.3.29 has_progress()	1480
7.310.3.30 internal_default_instance()	1480
7.310.3.31 IsInitialized()	1480
7.310.3.32 MergeFrom()	1480
7.310.3.33 modality()	1480
7.310.3.34 mutable_durations()	1480
7.310.3.35 mutable_errors()	1481
7.310.3.36 mutable_frame_ids()	1481
7.310.3.37 mutable_progress()	1481
7.310.3.38 mutable_tracklets() [1/2]	1481
7.310.3.39 mutable_tracklets() [2/2]	1481
7.310.3.40 New()	1481
7.310.3.41 operator=() [1/2]	1481
7.310.3.42 operator=() [2/2]	1482
7.310.3.43 progress()	1482
7.310.3.44 progress_only_reply()	1482
7.310.3.45 release_durations()	1482
7.310.3.46 release_errors()	1482
7.310.3.47 release_progress()	1482
7.310.3.48 set_allocated_durations()	1482
7.310.3.49 set_allocated_errors()	1483
7.310.3.50 set_allocated_progress()	1483
7.310.3.51 set_frame_ids()	1483
7.310.3.52 set_modality()	1483
7.310.3.53 set_progress_only_reply()	1483
7.310.3.54 Swap()	1483
7.310.3.55 tracklets() [1/2]	1483
7.310.3.56 tracklets() [2/2]	1484
7.310.3.57 tracklets_size()	1484
7.310.3.58 unsafe_arena_release_durations()	1484
7.310.3.59 unsafe_arena_release_errors()	1484

7.310.3.60 unsafe_arena_release_progress()	1484
7.310.3.61 unsafe_arena_set_allocated_durations()	1484
7.310.3.62 unsafe_arena_set_allocated_errors()	1484
7.310.3.63 unsafe_arena_set_allocated_progress()	1485
7.310.3.64 UnsafeArenaSwap()	1485
7.310.4 Friends And Related Function Documentation	1485
7.310.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1485
7.310.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1485
7.310.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1485
7.310.4.4 swap	1485
7.310.5 Member Data Documentation	1485
7.310.5.1 _class_data_	1486
7.310.5.2 kIndexInFileMessages	1486
7.311 briar::TrackReplyDefaultTypeInternal Struct Reference	1486
7.311.1 Constructor & Destructor Documentation	1487
7.311.1.1 TrackReplyDefaultTypeInternal()	1487
7.311.1.2 ~TrackReplyDefaultTypeInternal()	1487
7.311.2 Member Data Documentation	1487
7.311.2.1	1487
7.311.2.2 _instance	1487
7.312 briar::TrackRequest Class Reference	1488
7.312.1 Member Enumeration Documentation	1490
7.312.1.1 anonymous enum	1490
7.312.2 Constructor & Destructor Documentation	1491
7.312.2.1 TrackRequest() [1/5]	1491
7.312.2.2 ~TrackRequest()	1491
7.312.2.3 TrackRequest() [2/5]	1491
7.312.2.4 TrackRequest() [3/5]	1491
7.312.2.5 TrackRequest() [4/5]	1491
7.312.2.6 TrackRequest() [5/5]	1492
7.312.3 Member Function Documentation	1492
7.312.3.1 _InternalParse()	1492
7.312.3.2 _InternalSerialize()	1492
7.312.3.3 ByteSizeLong()	1492
7.312.3.4 Clear()	1492
7.312.3.5 clear_detect_options()	1492
7.312.3.6 clear_durations()	1493
7.312.3.7 clear_media()	1493
7.312.3.8 clear_subject_id()	1493
7.312.3.9 clear_subject_name()	1493
7.312.3.10 CopyFrom()	1493
7.312.3.11 default_instance()	1493

7.312.3.12 descriptor()	1493
7.312.3.13 detect_options()	1494
7.312.3.14 durations()	1494
7.312.3.15 GetCachedSize()	1494
7.312.3.16 GetClassData()	1494
7.312.3.17 GetDescriptor()	1494
7.312.3.18 GetMetadata()	1494
7.312.3.19 GetReflection()	1494
7.312.3.20 has_detect_options()	1495
7.312.3.21 has_durations()	1495
7.312.3.22 has_media()	1495
7.312.3.23 internal_default_instance()	1495
7.312.3.24 IsInitialized()	1495
7.312.3.25 media()	1495
7.312.3.26 MergeFrom()	1495
7.312.3.27 mutable_detect_options()	1496
7.312.3.28 mutable_durations()	1496
7.312.3.29 mutable_media()	1496
7.312.3.30 mutable_subject_id()	1496
7.312.3.31 mutable_subject_name()	1496
7.312.3.32 New()	1496
7.312.3.33 operator=() [1/2]	1496
7.312.3.34 operator=() [2/2]	1497
7.312.3.35 release_detect_options()	1497
7.312.3.36 release_durations()	1497
7.312.3.37 release_media()	1497
7.312.3.38 release_subject_id()	1497
7.312.3.39 release_subject_name()	1497
7.312.3.40 set_allocated_detect_options()	1497
7.312.3.41 set_allocated_durations()	1498
7.312.3.42 set_allocated_media()	1498
7.312.3.43 set_allocated_subject_id()	1498
7.312.3.44 set_allocated_subject_name()	1498
7.312.3.45 set_subject_id() [1/2]	1498
7.312.3.46 set_subject_id() [2/2]	1498
7.312.3.47 set_subject_name() [1/2]	1499
7.312.3.48 set_subject_name() [2/2]	1499
7.312.3.49 subject_id()	1499
7.312.3.50 subject_name()	1499
7.312.3.51 Swap()	1499
7.312.3.52 unsafe_arena_release_detect_options()	1499
7.312.3.53 unsafe_arena_release_durations()	1499

7.312.3.54 unsafe_arena_release_media()	1500
7.312.3.55 unsafe_arena_set_allocated_detect_options()	1500
7.312.3.56 unsafe_arena_set_allocated_durations()	1500
7.312.3.57 unsafe_arena_set_allocated_media()	1500
7.312.3.58 UnsafeArenaSwap()	1500
7.312.4 Friends And Related Function Documentation	1500
7.312.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1500
7.312.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1501
7.312.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1501
7.312.4.4 swap	1501
7.312.5 Member Data Documentation	1501
7.312.5.1 _class_data_	1501
7.312.5.2 kIndexInFileMessages	1501
7.313 briar::TrackRequestDefaultTypeInternal Struct Reference	1502
7.313.1 Constructor & Destructor Documentation	1502
7.313.1.1 TrackRequestDefaultTypeInternal()	1502
7.313.1.2 ~TrackRequestDefaultTypeInternal()	1503
7.313.2 Member Data Documentation	1503
7.313.2.1	1503
7.313.2.2 _instance	1503
7.314 briar::VerifyDatabaseReply Class Reference	1503
7.314.1 Member Enumeration Documentation	1506
7.314.1.1 anonymous enum	1506
7.314.2 Constructor & Destructor Documentation	1507
7.314.2.1 VerifyDatabaseReply() [1/5]	1507
7.314.2.2 ~VerifyDatabaseReply()	1507
7.314.2.3 VerifyDatabaseReply() [2/5]	1507
7.314.2.4 VerifyDatabaseReply() [3/5]	1507
7.314.2.5 VerifyDatabaseReply() [4/5]	1507
7.314.2.6 VerifyDatabaseReply() [5/5]	1507
7.314.3 Member Function Documentation	1507
7.314.3.1 _InternalParse()	1508
7.314.3.2 _InternalSerialize()	1508
7.314.3.3 ByteSizeLong()	1508
7.314.3.4 Clear()	1508
7.314.3.5 clear_errors()	1508
7.314.3.6 clear_match_matrix()	1508
7.314.3.7 clear_matrix_gallery_attributes()	1508
7.314.3.8 clear_matrix_gallery_detections()	1509
7.314.3.9 clear_matrix_gallery_tracklets()	1509
7.314.3.10 clear_matrix_probe_attributes()	1509
7.314.3.11 clear_matrix_probe_detections()	1509

7.314.3.12 clear_matrix_probe_tracklets()	1509
7.314.3.13 clear_progress()	1509
7.314.3.14 clear_uses_integer_subject_id_gallery()	1509
7.314.3.15 CopyFrom()	1509
7.314.3.16 default_instance()	1510
7.314.3.17 descriptor()	1510
7.314.3.18 errors()	1510
7.314.3.19 GetCachedSize()	1510
7.314.3.20 GetClassData()	1510
7.314.3.21 GetDescriptor()	1510
7.314.3.22 GetMetadata()	1510
7.314.3.23 GetReflection()	1511
7.314.3.24 has_errors()	1511
7.314.3.25 has_match_matrix()	1511
7.314.3.26 has_progress()	1511
7.314.3.27 internal_default_instance()	1511
7.314.3.28 IsInitialized()	1511
7.314.3.29 match_matrix()	1511
7.314.3.30 matrix_gallery_attributes()	1512
7.314.3.31 matrix_gallery_attributes_size()	1512
7.314.3.32 matrix_gallery_detections()	1512
7.314.3.33 matrix_gallery_detections_size()	1512
7.314.3.34 matrix_gallery_tracklets()	1512
7.314.3.35 matrix_gallery_tracklets_size()	1512
7.314.3.36 matrix_probe_attributes()	1512
7.314.3.37 matrix_probe_attributes_size()	1513
7.314.3.38 matrix_probe_detections()	1513
7.314.3.39 matrix_probe_detections_size()	1513
7.314.3.40 matrix_probe_tracklets()	1513
7.314.3.41 matrix_probe_tracklets_size()	1513
7.314.3.42 MergeFrom()	1513
7.314.3.43 mutable_errors()	1513
7.314.3.44 mutable_match_matrix()	1514
7.314.3.45 mutable_matrix_gallery_attributes()	1514
7.314.3.46 mutable_matrix_gallery_detections()	1514
7.314.3.47 mutable_matrix_gallery_tracklets()	1514
7.314.3.48 mutable_matrix_probe_attributes()	1514
7.314.3.49 mutable_matrix_probe_detections()	1514
7.314.3.50 mutable_matrix_probe_tracklets()	1514
7.314.3.51 mutable_progress()	1515
7.314.3.52 New()	1515
7.314.3.53 operator=() [1/2]	1515

7.314.3.54 operator=() [2/2]	1515
7.314.3.55 progress()	1515
7.314.3.56 release_errors()	1515
7.314.3.57 release_match_matrix()	1515
7.314.3.58 release_progress()	1516
7.314.3.59 set_allocated_errors()	1516
7.314.3.60 set_allocated_match_matrix()	1516
7.314.3.61 set_allocated_progress()	1516
7.314.3.62 set_uses_integer_subject_id_gallery()	1516
7.314.3.63 Swap()	1516
7.314.3.64 unsafe_arena_release_errors()	1516
7.314.3.65 unsafe_arena_release_match_matrix()	1517
7.314.3.66 unsafe_arena_release_progress()	1517
7.314.3.67 unsafe_arena_set_allocated_errors()	1517
7.314.3.68 unsafe_arena_set_allocated_match_matrix()	1517
7.314.3.69 unsafe_arena_set_allocated_progress()	1517
7.314.3.70 UnsafeArenaSwap()	1517
7.314.3.71 uses_integer_subject_id_gallery()	1517
7.314.4 Friends And Related Function Documentation	1518
7.314.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1518
7.314.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1518
7.314.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot	1518
7.314.4.4 swap	1518
7.314.5 Member Data Documentation	1518
7.314.5.1 _class_data_	1518
7.314.5.2 kIndexInFileMessages	1519
7.315 briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse Class Reference	1519
7.315.1 Member Typedef Documentation	1520
7.315.1.1 SuperType	1520
7.315.2 Constructor & Destructor Documentation	1520
7.315.2.1 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse() [1/3]	1520
7.315.2.2 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse() [2/3]	1520
7.315.2.3 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse() [3/3]	1521
7.315.3 Member Function Documentation	1521
7.315.3.1 GetMetadata()	1521
7.315.3.2 internal_default_instance()	1521
7.315.3.3 MergeFrom()	1521
7.315.3.4 ValidateKey()	1521
7.315.3.5 ValidateValue()	1521
7.315.4 Friends And Related Function Documentation	1521
7.315.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot	1522

7.316 briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal Struct Reference	1522
7.316.1 Constructor & Destructor Documentation	1522
7.316.1.1 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()	1522
7.316.1.2 ~VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()	1523
7.316.2 Member Data Documentation	1523
7.316.2.1	1523
7.316.2.2 _instance	1523
7.317 briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse Class Reference	1523
7.317.1 Member Typedef Documentation	1524
7.317.1.1 SuperType	1524
7.317.2 Constructor & Destructor Documentation	1524
7.317.2.1 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [1/3]	1524
7.317.2.2 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [2/3]	1525
7.317.2.3 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [3/3]	1525
7.317.3 Member Function Documentation	1525
7.317.3.1 GetMetadata()	1525
7.317.3.2 internal_default_instance()	1525
7.317.3.3 MergeFrom()	1525
7.317.3.4 ValidateKey()	1525
7.317.3.5 ValidateValue()	1526
7.317.4 Friends And Related Function Documentation	1526
7.317.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1526
7.318 briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal Struct Reference	1526
7.318.1 Constructor & Destructor Documentation	1527
7.318.1.1 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal()	1527
7.318.1.2 ~VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal()	1527
7.318.2 Member Data Documentation	1527
7.318.2.1	1527
7.318.2.2 _instance	1527
7.319 briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse Class Reference	1528
7.319.1 Member Typedef Documentation	1529
7.319.1.1 SuperType	1529
7.319.2 Constructor & Destructor Documentation	1529
7.319.2.1 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [1/3]	1529
7.319.2.2 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [2/3]	1529
7.319.2.3 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [3/3]	1529
7.319.3 Member Function Documentation	1529
7.319.3.1 GetMetadata()	1530
7.319.3.2 internal_default_instance()	1530
7.319.3.3 MergeFrom()	1530
7.319.3.4 ValidateKey()	1530

7.319.3.5 ValidateValue()	1530
7.319.4 Friends And Related Function Documentation	1530
7.319.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1530
7.320 briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal Struct Reference	1531
7.320.1 Constructor & Destructor Documentation	1531
7.320.1.1 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()	1531
7.320.1.2 ~VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()	1531
7.320.2 Member Data Documentation	1531
7.320.2.1	1532
7.320.2.2 _instance	1532
7.321 briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse Class Reference	1532
7.321.1 Member Typedef Documentation	1533
7.321.1.1 SuperType	1533
7.321.2 Constructor & Destructor Documentation	1533
7.321.2.1 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [1/3]	1533
7.321.2.2 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [2/3]	1534
7.321.2.3 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [3/3]	1534
7.321.3 Member Function Documentation	1534
7.321.3.1 GetMetadata()	1534
7.321.3.2 internal_default_instance()	1534
7.321.3.3 MergeFrom()	1534
7.321.3.4 ValidateKey()	1534
7.321.3.5 ValidateValue()	1535
7.321.4 Friends And Related Function Documentation	1535
7.321.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1535
7.322 briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal Struct Reference	1535
7.322.1 Constructor & Destructor Documentation	1536
7.322.1.1 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal()	1536
7.322.1.2 ~VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal()	1536
7.322.2 Member Data Documentation	1536
7.322.2.1	1536
7.322.2.2 _instance	1536
7.323 briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse Class Reference	1537
7.323.1 Member Typedef Documentation	1538
7.323.1.1 SuperType	1538
7.323.2 Constructor & Destructor Documentation	1538
7.323.2.1 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [1/3]	1538
7.323.2.2 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [2/3]	1538
7.323.2.3 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [3/3]	1538
7.323.3 Member Function Documentation	1539
7.323.3.1 GetMetadata()	1539

7.323.3.2 internal_default_instance()	1539
7.323.3 MergeFrom()	1539
7.323.4 ValidateKey()	1539
7.323.5 ValidateValue()	1539
7.323.4 Friends And Related Function Documentation	1539
7.323.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1540
7.324 briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal Struct Reference	1540
7.324.1 Constructor & Destructor Documentation	1540
7.324.1.1 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()	1540
7.324.1.2 ~VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()	1541
7.324.2 Member Data Documentation	1541
7.324.2.1	1541
7.324.2.2 _instance	1541
7.325 briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse Class Reference	1541
7.325.1 Member Typedef Documentation	1542
7.325.1.1 SuperType	1542
7.325.2 Constructor & Destructor Documentation	1542
7.325.2.1 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [1/3]	1542
7.325.2.2 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [2/3]	1543
7.325.2.3 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [3/3]	1543
7.325.3 Member Function Documentation	1543
7.325.3.1 GetMetadata()	1543
7.325.3.2 internal_default_instance()	1543
7.325.3.3 MergeFrom()	1543
7.325.3.4 ValidateKey()	1543
7.325.3.5 ValidateValue()	1544
7.325.4 Friends And Related Function Documentation	1544
7.325.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1544
7.326 briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal Struct Reference	1544
7.326.1 Constructor & Destructor Documentation	1545
7.326.1.1 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal()	1545
7.326.1.2 ~VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal()	1545
7.326.2 Member Data Documentation	1545
7.326.2.1	1545
7.326.2.2 _instance	1545
7.327 briar::VerifyDatabaseReplyDefaultTypeInternal Struct Reference	1546
7.327.1 Constructor & Destructor Documentation	1546
7.327.1.1 VerifyDatabaseReplyDefaultTypeInternal()	1546
7.327.1.2 ~VerifyDatabaseReplyDefaultTypeInternal()	1547
7.327.2 Member Data Documentation	1547
7.327.2.1	1547

7.327.2.2 _instance	1547
7.328 briar::VerifyDatabaseRequest Class Reference	1547
7.328.1 Member Enumeration Documentation	1550
7.328.1.1 anonymous enum	1550
7.328.2 Constructor & Destructor Documentation	1550
7.328.2.1 VerifyDatabaseRequest() [1/5]	1550
7.328.2.2 ~VerifyDatabaseRequest()	1551
7.328.2.3 VerifyDatabaseRequest() [2/5]	1551
7.328.2.4 VerifyDatabaseRequest() [3/5]	1551
7.328.2.5 VerifyDatabaseRequest() [4/5]	1551
7.328.2.6 VerifyDatabaseRequest() [5/5]	1551
7.328.3 Member Function Documentation	1551
7.328.3.1 _InternalParse()	1551
7.328.3.2 _InternalSerialize()	1552
7.328.3.3 add_probe_entry_ids() [1/5]	1552
7.328.3.4 add_probe_entry_ids() [2/5]	1552
7.328.3.5 add_probe_entry_ids() [3/5]	1552
7.328.3.6 add_probe_entry_ids() [4/5]	1552
7.328.3.7 add_probe_entry_ids() [5/5]	1552
7.328.3.8 ByteSizeLong()	1552
7.328.3.9 Clear()	1553
7.328.3.10 clear_durations()	1553
7.328.3.11 clear_probe_entry_ids()	1553
7.328.3.12 clear_reference_database()	1553
7.328.3.13 clear_verify_database()	1553
7.328.3.14 clear_verify_options()	1553
7.328.3.15 CopyFrom()	1553
7.328.3.16 default_instance()	1554
7.328.3.17 descriptor()	1554
7.328.3.18 durations()	1554
7.328.3.19 GetCachedSize()	1554
7.328.3.20 GetClassData()	1554
7.328.3.21 GetDescriptor()	1554
7.328.3.22 GetMetadata()	1554
7.328.3.23 GetReflection()	1555
7.328.3.24 has_durations()	1555
7.328.3.25 has_reference_database()	1555
7.328.3.26 has_verify_database()	1555
7.328.3.27 has_verify_options()	1555
7.328.3.28 internal_default_instance()	1555
7.328.3.29 IsInitialized()	1555
7.328.3.30 MergeFrom()	1556

7.328.3.31 mutable_durations()	1556
7.328.3.32 mutable_probe_entry_ids() [1/2]	1556
7.328.3.33 mutable_probe_entry_ids() [2/2]	1556
7.328.3.34 mutable_reference_database()	1556
7.328.3.35 mutable_verify_database()	1556
7.328.3.36 mutable_verify_options()	1556
7.328.3.37 New()	1557
7.328.3.38 operator=() [1/2]	1557
7.328.3.39 operator=() [2/2]	1557
7.328.3.40 probe_entry_ids() [1/2]	1557
7.328.3.41 probe_entry_ids() [2/2]	1557
7.328.3.42 probe_entry_ids_size()	1557
7.328.3.43 reference_database()	1557
7.328.3.44 release_durations()	1558
7.328.3.45 release_reference_database()	1558
7.328.3.46 release_verify_database()	1558
7.328.3.47 release_verify_options()	1558
7.328.3.48 set_allocated_durations()	1558
7.328.3.49 set_allocated_reference_database()	1558
7.328.3.50 set_allocated_verify_database()	1558
7.328.3.51 set_allocated_verify_options()	1559
7.328.3.52 set_probe_entry_ids() [1/4]	1559
7.328.3.53 set_probe_entry_ids() [2/4]	1559
7.328.3.54 set_probe_entry_ids() [3/4]	1559
7.328.3.55 set_probe_entry_ids() [4/4]	1559
7.328.3.56 Swap()	1559
7.328.3.57 unsafe_arena_release_durations()	1560
7.328.3.58 unsafe_arena_release_reference_database()	1560
7.328.3.59 unsafe_arena_release_verify_database()	1560
7.328.3.60 unsafe_arena_release_verify_options()	1560
7.328.3.61 unsafe_arena_set_allocated_durations()	1560
7.328.3.62 unsafe_arena_set_allocated_reference_database()	1560
7.328.3.63 unsafe_arena_set_allocated_verify_database()	1560
7.328.3.64 unsafe_arena_set_allocated_verify_options()	1561
7.328.3.65 UnsafeArenaSwap()	1561
7.328.3.66 verify_database()	1561
7.328.3.67 verify_options()	1561
3.28.4 Friends And Related Function Documentation	1561
7.328.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1561
7.328.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1561
7.328.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto	1561
7.328.4.4 swap	1562

7.328.5 Member Data Documentation	1562
7.328.5.1 <code>_class_data_</code>	1562
7.328.5.2 <code>kIndexInFileMessages</code>	1562
7.329 <code>briar::VerifyDatabaseRequestDefaultTypeInternal</code> Struct Reference	1563
7.329.1 Constructor & Destructor Documentation	1563
7.329.1.1 <code>VerifyDatabaseRequestDefaultTypeInternal()</code>	1563
7.329.1.2 <code>~VerifyDatabaseRequestDefaultTypeInternal()</code>	1564
7.329.2 Member Data Documentation	1564
7.329.2.1	1564
7.329.2.2 <code>_instance</code>	1564
7.330 <code>briar::VerifyMatchInfo</code> Class Reference	1564
7.330.1 Member Enumeration Documentation	1568
7.330.1.1 <code>anonymous enum</code>	1568
7.330.2 Constructor & Destructor Documentation	1568
7.330.2.1 <code>VerifyMatchInfo()</code> [1/5]	1568
7.330.2.2 <code>~VerifyMatchInfo()</code>	1569
7.330.2.3 <code>VerifyMatchInfo()</code> [2/5]	1569
7.330.2.4 <code>VerifyMatchInfo()</code> [3/5]	1569
7.330.2.5 <code>VerifyMatchInfo()</code> [4/5]	1569
7.330.2.6 <code>VerifyMatchInfo()</code> [5/5]	1569
7.330.3 Member Function Documentation	1569
7.330.3.1 <code>_InternalParse()</code>	1569
7.330.3.2 <code>_InternalSerialize()</code>	1570
7.330.3.3 <code>body()</code>	1570
7.330.3.4 <code>ByteSizeLong()</code>	1570
7.330.3.5 <code>Clear()</code>	1570
7.330.3.6 <code>clear_body()</code>	1570
7.330.3.7 <code>clear_entry_id_reference()</code>	1570
7.330.3.8 <code>clear_entry_id_verification()</code>	1570
7.330.3.9 <code>clear_face()</code>	1571
7.330.3.10 <code>clear_gate()</code>	1571
7.330.3.11 <code>clear_integer_subject_id_gallery()</code>	1571
7.330.3.12 <code>clear_media_id()</code>	1571
7.330.3.13 <code>clear_score()</code>	1571
7.330.3.14 <code>clear_subject_id_reference()</code>	1571
7.330.3.15 <code>clear_subject_id_verify()</code>	1571
7.330.3.16 <code>clear_subject_name()</code>	1571
7.330.3.17 <code>clear_theoretical_max()</code>	1572
7.330.3.18 <code>clear_theoretical_min()</code>	1572
7.330.3.19 <code>clear_uses_integer_gallery_id()</code>	1572
7.330.3.20 <code>CopyFrom()</code>	1572
7.330.3.21 <code>default_instance()</code>	1572

7.330.3.22 descriptor()	1572
7.330.3.23 entry_id_reference()	1572
7.330.3.24 entry_id_verification()	1573
7.330.3.25 face()	1573
7.330.3.26 gate()	1573
7.330.3.27 GetCachedSize()	1573
7.330.3.28 GetClassData()	1573
7.330.3.29 GetDescriptor()	1573
7.330.3.30 GetMetadata()	1573
7.330.3.31 GetReflection()	1574
7.330.3.32 has_body()	1574
7.330.3.33 has_face()	1574
7.330.3.34 has_gate()	1574
7.330.3.35 integer_subject_id_gallery()	1574
7.330.3.36 internal_default_instance()	1574
7.330.3.37 IsInitialized()	1574
7.330.3.38 media_id()	1575
7.330.3.39 MergeFrom()	1575
7.330.3.40 mutable_body()	1575
7.330.3.41 mutable_entry_id_reference()	1575
7.330.3.42 mutable_entry_id_verification()	1575
7.330.3.43 mutable_face()	1575
7.330.3.44 mutable_gate()	1575
7.330.3.45 mutable_media_id()	1576
7.330.3.46 mutable_subject_id_reference()	1576
7.330.3.47 mutable_subject_id_verify()	1576
7.330.3.48 mutable_subject_name()	1576
7.330.3.49 New()	1576
7.330.3.50 operator=() [1/2]	1576
7.330.3.51 operator=() [2/2]	1576
7.330.3.52 release_body()	1577
7.330.3.53 release_entry_id_reference()	1577
7.330.3.54 release_entry_id_verification()	1577
7.330.3.55 release_face()	1577
7.330.3.56 release_gate()	1577
7.330.3.57 release_media_id()	1577
7.330.3.58 release_subject_id_reference()	1577
7.330.3.59 release_subject_id_verify()	1577
7.330.3.60 release_subject_name()	1578
7.330.3.61 score()	1578
7.330.3.62 set_allocated_body()	1578
7.330.3.63 set_allocated_entry_id_reference()	1578

7.330.3.64 set_allocated_entry_id_verification()	1578
7.330.3.65 set_allocated_face()	1578
7.330.3.66 set_allocated_gate()	1578
7.330.3.67 set_allocated_media_id()	1579
7.330.3.68 set_allocated_subject_id_reference()	1579
7.330.3.69 set_allocated_subject_id_verify()	1579
7.330.3.70 set_allocated_subject_name()	1579
7.330.3.71 set_entry_id_reference() [1/2]	1579
7.330.3.72 set_entry_id_reference() [2/2]	1579
7.330.3.73 set_entry_id_verification() [1/2]	1580
7.330.3.74 set_entry_id_verification() [2/2]	1580
7.330.3.75 set_integer_subject_id_gallery()	1580
7.330.3.76 set_media_id() [1/2]	1580
7.330.3.77 set_media_id() [2/2]	1580
7.330.3.78 set_score()	1580
7.330.3.79 set_subject_id_reference() [1/2]	1581
7.330.3.80 set_subject_id_reference() [2/2]	1581
7.330.3.81 set_subject_id_verify() [1/2]	1581
7.330.3.82 set_subject_id_verify() [2/2]	1581
7.330.3.83 set_subject_name() [1/2]	1581
7.330.3.84 set_subject_name() [2/2]	1581
7.330.3.85 set_theoretical_max()	1582
7.330.3.86 set_theoretical_min()	1582
7.330.3.87 set_uses_integer_gallery_id()	1582
7.330.3.88 subject_id_reference()	1582
7.330.3.89 subject_id_verify()	1582
7.330.3.90 subject_name()	1582
7.330.3.91 Swap()	1582
7.330.3.92 theoretical_max()	1583
7.330.3.93 theoretical_min()	1583
7.330.3.94 unsafe_arena_release_body()	1583
7.330.3.95 unsafe_arena_release_face()	1583
7.330.3.96 unsafe_arena_release_gate()	1583
7.330.3.97 unsafe_arena_set_allocated_body()	1583
7.330.3.98 unsafe_arena_set_allocated_face()	1583
7.330.3.99 unsafe_arena_set_allocated_gate()	1584
7.330.3.100 UnsafeArenaSwap()	1584
7.330.3.101 uses_integer_gallery_id()	1584
7.330.4 Friends And Related Function Documentation	1584
7.330.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1584
7.330.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1584
7.330.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1584

7.330.4.4 swap	1584
7.330.5 Member Data Documentation	1585
7.330.5.1 _class_data	1585
7.330.5.2 kIndexInFileMessages	1585
7.331 briar::VerifyMatchInfoDefaultTypeInternal Struct Reference	1585
7.331.1 Constructor & Destructor Documentation	1586
7.331.1.1 VerifyMatchInfoDefaultTypeInternal()	1586
7.331.1.2 ~VerifyMatchInfoDefaultTypeInternal()	1586
7.331.2 Member Data Documentation	1586
7.331.2.1	1586
7.331.2.2 _instance	1586
7.332 briar::VerifyMatchList Class Reference	1587
7.332.1 Member Enumeration Documentation	1589
7.332.1.1 anonymous enum	1589
7.332.2 Constructor & Destructor Documentation	1589
7.332.2.1 VerifyMatchList() [1/5]	1589
7.332.2.2 ~VerifyMatchList()	1589
7.332.2.3 VerifyMatchList() [2/5]	1589
7.332.2.4 VerifyMatchList() [3/5]	1590
7.332.2.5 VerifyMatchList() [4/5]	1590
7.332.2.6 VerifyMatchList() [5/5]	1590
7.332.3 Member Function Documentation	1590
7.332.3.1 _InternalParse()	1590
7.332.3.2 _InternalSerialize()	1590
7.332.3.3 add_match_list()	1590
7.332.3.4 ByteSizeLong()	1591
7.332.3.5 Clear()	1591
7.332.3.6 clear_match_list()	1591
7.332.3.7 CopyFrom()	1591
7.332.3.8 default_instance()	1591
7.332.3.9 descriptor()	1591
7.332.3.10 GetCachedSize()	1591
7.332.3.11 GetClassData()	1592
7.332.3.12 GetDescriptor()	1592
7.332.3.13 GetMetadata()	1592
7.332.3.14 GetReflection()	1592
7.332.3.15 internal_default_instance()	1592
7.332.3.16 IsInitialized()	1592
7.332.3.17 match_list() [1/2]	1592
7.332.3.18 match_list() [2/2]	1593
7.332.3.19 match_list_size()	1593
7.332.3.20 MergeFrom()	1593

7.332.3.21 mutable_match_list() [1/2]	1593
7.332.3.22 mutable_match_list() [2/2]	1593
7.332.3.23 New()	1593
7.332.3.24 operator=() [1/2]	1593
7.332.3.25 operator=() [2/2]	1594
7.332.3.26 Swap()	1594
7.332.3.27 UnsafeArenaSwap()	1594
7.332.4 Friends And Related Function Documentation	1594
7.332.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1594
7.332.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1594
7.332.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1594
7.332.4.4 swap	1594
7.332.5 Member Data Documentation	1595
7.332.5.1 _class_data_	1595
7.332.5.2 kIndexInFileMessages	1595
7.333 briar::VerifyMatchListDefaultTypeInternal Struct Reference	1595
7.333.1 Constructor & Destructor Documentation	1596
7.333.1.1 VerifyMatchListDefaultTypeInternal()	1596
7.333.1.2 ~VerifyMatchListDefaultTypeInternal()	1596
7.333.2 Member Data Documentation	1596
7.333.2.1	1596
7.333.2.2 _instance	1596
7.334 briar::VerifyOptions Class Reference	1597
7.334.1 Member Enumeration Documentation	1599
7.334.1.1 anonymous enum	1599
7.334.2 Constructor & Destructor Documentation	1600
7.334.2.1 VerifyOptions() [1/5]	1600
7.334.2.2 ~VerifyOptions()	1600
7.334.2.3 VerifyOptions() [2/5]	1600
7.334.2.4 VerifyOptions() [3/5]	1600
7.334.2.5 VerifyOptions() [4/5]	1600
7.334.2.6 VerifyOptions() [5/5]	1601
7.334.3 Member Function Documentation	1601
7.334.3.1 _InternalParse()	1601
7.334.3.2 _InternalSerialize()	1601
7.334.3.3 ByteSizeLong()	1601
7.334.3.4 Clear()	1601
7.334.3.5 clear_debug()	1601
7.334.3.6 clear_flag()	1602
7.334.3.7 clear_modality()	1602
7.334.3.8 clear_return_media()	1602
7.334.3.9 clear_use_detections()	1602

7.334.3.10 clear_use_templates()	1602
7.334.3.11 clear_use_whole_image()	1602
7.334.3.12 CopyFrom()	1602
7.334.3.13 debug()	1603
7.334.3.14 default_instance()	1603
7.334.3.15 descriptor()	1603
7.334.3.16 flag()	1603
7.334.3.17 GetCachedSize()	1603
7.334.3.18 GetClassData()	1603
7.334.3.19 GetDescriptor()	1603
7.334.3.20 GetMetadata()	1604
7.334.3.21 GetReflection()	1604
7.334.3.22 has_debug()	1604
7.334.3.23 has_return_media()	1604
7.334.3.24 has_use_detections()	1604
7.334.3.25 has_use_templates()	1604
7.334.3.26 has_use_whole_image()	1604
7.334.3.27 internal_default_instance()	1605
7.334.3.28 IsInitialized()	1605
7.334.3.29 MergeFrom()	1605
7.334.3.30 modality()	1605
7.334.3.31 mutable_debug()	1605
7.334.3.32 mutable_return_media()	1605
7.334.3.33 mutable_use_detections()	1605
7.334.3.34 mutable_use_templates()	1606
7.334.3.35 mutable_use_whole_image()	1606
7.334.3.36 New()	1606
7.334.3.37 operator=() [1/2]	1606
7.334.3.38 operator=() [2/2]	1606
7.334.3.39 release_debug()	1606
7.334.3.40 release_return_media()	1606
7.334.3.41 release_use_detections()	1607
7.334.3.42 release_use_templates()	1607
7.334.3.43 release_use_whole_image()	1607
7.334.3.44 return_media()	1607
7.334.3.45 set_allocated_debug()	1607
7.334.3.46 set_allocated_return_media()	1607
7.334.3.47 set_allocated_use_detections()	1607
7.334.3.48 set_allocated_use_templates()	1608
7.334.3.49 set_allocated_use_whole_image()	1608
7.334.3.50 set_flag()	1608
7.334.3.51 set_modality()	1608

7.334.3.52 Swap()	1608
7.334.3.53 unsafe_arena_release_debug()	1608
7.334.3.54 unsafe_arena_release_return_media()	1608
7.334.3.55 unsafe_arena_release_use_detections()	1609
7.334.3.56 unsafe_arena_release_use_templates()	1609
7.334.3.57 unsafe_arena_release_use_whole_image()	1609
7.334.3.58 unsafe_arena_set_allocated_debug()	1609
7.334.3.59 unsafe_arena_set_allocated_return_media()	1609
7.334.3.60 unsafe_arena_set_allocated_use_detections()	1609
7.334.3.61 unsafe_arena_set_allocated_use_templates()	1609
7.334.3.62 unsafe_arena_set_allocated_use_whole_image()	1610
7.334.3.63 UnsafeArenaSwap()	1610
7.334.3.64 use_detections()	1610
7.334.3.65 use_templates()	1610
7.334.3.66 use_whole_image()	1610
7.334.4 Friends And Related Function Documentation	1610
7.334.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1610
7.334.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1610
7.334.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto	1611
7.334.4.4 swap	1611
7.334.5 Member Data Documentation	1611
7.334.5.1 _class_data	1611
7.334.5.2 kIndexInFileMessages	1611
7.335 briar::VerifyOptionsDefaultTypeInternal Struct Reference	1612
7.335.1 Constructor & Destructor Documentation	1612
7.335.1.1 VerifyOptionsDefaultTypeInternal()	1612
7.335.1.2 ~VerifyOptionsDefaultTypeInternal()	1613
7.335.2 Member Data Documentation	1613
7.335.2.1	1613
7.335.2.2 _instance	1613
7.336 briar::VerifyReply Class Reference	1613
7.336.1 Member Enumeration Documentation	1616
7.336.1.1 anonymous enum	1616
7.336.2 Constructor & Destructor Documentation	1616
7.336.2.1 VerifyReply() [1/5]	1616
7.336.2.2 ~VerifyReply()	1617
7.336.2.3 VerifyReply() [2/5]	1617
7.336.2.4 VerifyReply() [3/5]	1617
7.336.2.5 VerifyReply() [4/5]	1617
7.336.2.6 VerifyReply() [5/5]	1617
7.336.3 Member Function Documentation	1617
7.336.3.1 _InternalParse()	1617

7.336.3.2 <code>_InternalSerialize()</code>	1618
7.336.3.3 <code>ByteSizeLong()</code>	1618
7.336.3.4 <code>Clear()</code>	1618
7.336.3.5 <code>clear_detect_reply()</code>	1618
7.336.3.6 <code>clear_durations()</code>	1618
7.336.3.7 <code>clear_errors()</code>	1618
7.336.3.8 <code>clear_extract_reply()</code>	1618
7.336.3.9 <code>clear_progress_only_reply()</code>	1619
7.336.3.10 <code>clear_similarities()</code>	1619
7.336.3.11 <code>CopyFrom()</code>	1619
7.336.3.12 <code>default_instance()</code>	1619
7.336.3.13 <code>descriptor()</code>	1619
7.336.3.14 <code>detect_reply()</code>	1619
7.336.3.15 <code>durations()</code>	1619
7.336.3.16 <code>errors()</code>	1620
7.336.3.17 <code>extract_reply()</code>	1620
7.336.3.18 <code>GetCachedSize()</code>	1620
7.336.3.19 <code>GetClassData()</code>	1620
7.336.3.20 <code>GetDescriptor()</code>	1620
7.336.3.21 <code>GetMetadata()</code>	1620
7.336.3.22 <code>GetReflection()</code>	1620
7.336.3.23 <code>has_detect_reply()</code>	1621
7.336.3.24 <code>has_durations()</code>	1621
7.336.3.25 <code>has_errors()</code>	1621
7.336.3.26 <code>has_extract_reply()</code>	1621
7.336.3.27 <code>has_similarities()</code>	1621
7.336.3.28 <code>internal_default_instance()</code>	1621
7.336.3.29 <code>IsInitialized()</code>	1621
7.336.3.30 <code>MergeFrom()</code>	1621
7.336.3.31 <code>mutable_detect_reply()</code>	1622
7.336.3.32 <code>mutable_durations()</code>	1622
7.336.3.33 <code>mutable_errors()</code>	1622
7.336.3.34 <code>mutable_extract_reply()</code>	1622
7.336.3.35 <code>mutable_similarities()</code>	1622
7.336.3.36 <code>New()</code>	1622
7.336.3.37 <code>operator=() [1/2]</code>	1622
7.336.3.38 <code>operator=() [2/2]</code>	1623
7.336.3.39 <code>progress_only_reply()</code>	1623
7.336.3.40 <code>release_detect_reply()</code>	1623
7.336.3.41 <code>release_durations()</code>	1623
7.336.3.42 <code>release_errors()</code>	1623
7.336.3.43 <code>release_extract_reply()</code>	1623

7.336.3.44 release_similarities()	1623
7.336.3.45 set_allocated_detect_reply()	1624
7.336.3.46 set_allocated_durations()	1624
7.336.3.47 set_allocated_errors()	1624
7.336.3.48 set_allocated_extract_reply()	1624
7.336.3.49 set_allocated_similarities()	1624
7.336.3.50 set_progress_only_reply()	1624
7.336.3.51 similarities()	1624
7.336.3.52 Swap()	1625
7.336.3.53 unsafe_arena_release_detect_reply()	1625
7.336.3.54 unsafe_arena_release_durations()	1625
7.336.3.55 unsafe_arena_release_errors()	1625
7.336.3.56 unsafe_arena_release_extract_reply()	1625
7.336.3.57 unsafe_arena_release_similarities()	1625
7.336.3.58 unsafe_arena_set_allocated_detect_reply()	1625
7.336.3.59 unsafe_arena_set_allocated_durations()	1626
7.336.3.60 unsafe_arena_set_allocated_errors()	1626
7.336.3.61 unsafe_arena_set_allocated_extract_reply()	1626
7.336.3.62 unsafe_arena_set_allocated_similarities()	1626
7.336.3.63 UnsafeArenaSwap()	1626
7.336.4 Friends And Related Function Documentation	1626
7.336.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1626
7.336.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1627
7.336.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1627
7.336.4.4 swap	1627
7.336.5 Member Data Documentation	1627
7.336.5.1 _class_data_	1627
7.336.5.2 kIndexInFileMessages	1627
7.337 briar::VerifyReplyDefaultTypeInternal Struct Reference	1628
7.337.1 Constructor & Destructor Documentation	1628
7.337.1.1 VerifyReplyDefaultTypeInternal()	1628
7.337.1.2 ~VerifyReplyDefaultTypeInternal()	1629
7.337.2 Member Data Documentation	1629
7.337.2.1	1629
7.337.2.2 _instance	1629
7.338 briar::VerifyRequest Class Reference	1629
7.338.1 Member Typedef Documentation	1632
7.338.1.1 VerifyRole	1633
7.338.2 Member Enumeration Documentation	1633
7.338.2.1 anonymous enum	1633
7.338.3 Constructor & Destructor Documentation	1633
7.338.3.1 VerifyRequest() [1/5]	1633

7.338.3.2 ~VerifyRequest()	1633
7.338.3.3 VerifyRequest() [2/5]	1633
7.338.3.4 VerifyRequest() [3/5]	1634
7.338.3.5 VerifyRequest() [4/5]	1634
7.338.3.6 VerifyRequest() [5/5]	1634
7.338.4 Member Function Documentation	1634
7.338.4.1 _InternalParse()	1634
7.338.4.2 _InternalSerialize()	1634
7.338.4.3 add_detections()	1634
7.338.4.4 ByteSizeLong()	1635
7.338.4.5 Clear()	1635
7.338.4.6 clear_detect_options()	1635
7.338.4.7 clear_detections()	1635
7.338.4.8 clear_durations()	1635
7.338.4.9 clear_extract_options()	1635
7.338.4.10 clear_flag()	1635
7.338.4.11 clear_media()	1635
7.338.4.12 clear_reference_tmpls()	1636
7.338.4.13 clear_role()	1636
7.338.4.14 clear_verify_options()	1636
7.338.4.15 CopyFrom()	1636
7.338.4.16 default_instance()	1636
7.338.4.17 descriptor()	1636
7.338.4.18 detect_options()	1636
7.338.4.19 detections() [1/2]	1637
7.338.4.20 detections() [2/2]	1637
7.338.4.21 detections_size()	1637
7.338.4.22 durations()	1637
7.338.4.23 extract_options()	1637
7.338.4.24 flag()	1637
7.338.4.25 GetCachedSize()	1637
7.338.4.26 GetClassData()	1638
7.338.4.27 GetDescriptor()	1638
7.338.4.28 GetMetadata()	1638
7.338.4.29 GetReflection()	1638
7.338.4.30 has_detect_options()	1638
7.338.4.31 has_durations()	1638
7.338.4.32 has_extract_options()	1638
7.338.4.33 has_media()	1639
7.338.4.34 has_reference_tmpls()	1639
7.338.4.35 has_verify_options()	1639
7.338.4.36 internal_default_instance()	1639

7.338.4.37 IsInitialized()	1639
7.338.4.38 media()	1639
7.338.4.39 MergeFrom()	1639
7.338.4.40 mutable_detect_options()	1640
7.338.4.41 mutable_detections() [1/2]	1640
7.338.4.42 mutable_detections() [2/2]	1640
7.338.4.43 mutable_durations()	1640
7.338.4.44 mutable_extract_options()	1640
7.338.4.45 mutable_media()	1640
7.338.4.46 mutable_reference_tmpls()	1640
7.338.4.47 mutable_verify_options()	1641
7.338.4.48 New()	1641
7.338.4.49 operator=() [1/2]	1641
7.338.4.50 operator=() [2/2]	1641
7.338.4.51 reference_tmpls()	1641
7.338.4.52 release_detect_options()	1641
7.338.4.53 release_durations()	1641
7.338.4.54 release_extract_options()	1642
7.338.4.55 release_media()	1642
7.338.4.56 release_reference_tmpls()	1642
7.338.4.57 release_verify_options()	1642
7.338.4.58 role()	1642
7.338.4.59 set_allocated_detect_options()	1642
7.338.4.60 set_allocated_durations()	1642
7.338.4.61 set_allocated_extract_options()	1643
7.338.4.62 set_allocated_media()	1643
7.338.4.63 set_allocated_reference_tmpls()	1643
7.338.4.64 set_allocated_verify_options()	1643
7.338.4.65 set_flag()	1643
7.338.4.66 set_role()	1643
7.338.4.67 Swap()	1643
7.338.4.68 unsafe_arena_release_detect_options()	1644
7.338.4.69 unsafe_arena_release_durations()	1644
7.338.4.70 unsafe_arena_release_extract_options()	1644
7.338.4.71 unsafe_arena_release_media()	1644
7.338.4.72 unsafe_arena_release_reference_tmpls()	1644
7.338.4.73 unsafe_arena_release_verify_options()	1644
7.338.4.74 unsafe_arena_set_allocated_detect_options()	1644
7.338.4.75 unsafe_arena_set_allocated_durations()	1645
7.338.4.76 unsafe_arena_set_allocated_extract_options()	1645
7.338.4.77 unsafe_arena_set_allocated_media()	1645
7.338.4.78 unsafe_arena_set_allocated_reference_tmpls()	1645

7.338.4.79 unsafe_arena_set_allocated_verify_options()	1645
7.338.4.80 UnsafeArenaSwap()	1645
7.338.4.81 verify_options()	1645
7.338.4.82 VerifyRole_descriptor()	1646
7.338.4.83 VerifyRole_IsValid()	1646
7.338.4.84 VerifyRole_Name()	1646
7.338.4.85 VerifyRole_Parse()	1646
7.338.5 Friends And Related Function Documentation	1646
7.338.5.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper	1646
7.338.5.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata	1646
7.338.5.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1647
7.338.5.4 swap	1647
7.338.6 Member Data Documentation	1647
7.338.6.1 _class_data_	1647
7.338.6.2 kIndexInFileMessages	1647
7.338.6.3 reference	1647
7.338.6.4 verify	1648
7.338.6.5 VerifyRole_ARRAYSIZE	1648
7.338.6.6 VerifyRole_MAX	1648
7.338.6.7 VerifyRole_MIN	1648
7.339 briar::VerifyRequestDefaultTypeInternal Struct Reference	1649
7.339.1 Constructor & Destructor Documentation	1649
7.339.1.1 VerifyRequestDefaultTypeInternal()	1649
7.339.1.2 ~VerifyRequestDefaultTypeInternal()	1650
7.339.2 Member Data Documentation	1650
7.339.2.1	1650
7.339.2.2 _instance	1650
8 File Documentation	1651
8.1 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc File Reference	1651
8.1.1 Macro Definition Documentation	1658
8.1.1.1 CHK_ [1/43]	1658
8.1.1.2 CHK_ [2/43]	1658
8.1.1.3 CHK_ [3/43]	1658
8.1.1.4 CHK_ [4/43]	1658
8.1.1.5 CHK_ [5/43]	1658
8.1.1.6 CHK_ [6/43]	1659
8.1.1.7 CHK_ [7/43]	1659
8.1.1.8 CHK_ [8/43]	1659
8.1.1.9 CHK_ [9/43]	1659
8.1.1.10 CHK_ [10/43]	1659
8.1.1.11 CHK_ [11/43]	1659

8.1.1.12 <code>CHK_ [12/43]</code>	1659
8.1.1.13 <code>CHK_ [13/43]</code>	1660
8.1.1.14 <code>CHK_ [14/43]</code>	1660
8.1.1.15 <code>CHK_ [15/43]</code>	1660
8.1.1.16 <code>CHK_ [16/43]</code>	1660
8.1.1.17 <code>CHK_ [17/43]</code>	1660
8.1.1.18 <code>CHK_ [18/43]</code>	1660
8.1.1.19 <code>CHK_ [19/43]</code>	1660
8.1.1.20 <code>CHK_ [20/43]</code>	1661
8.1.1.21 <code>CHK_ [21/43]</code>	1661
8.1.1.22 <code>CHK_ [22/43]</code>	1661
8.1.1.23 <code>CHK_ [23/43]</code>	1661
8.1.1.24 <code>CHK_ [24/43]</code>	1661
8.1.1.25 <code>CHK_ [25/43]</code>	1661
8.1.1.26 <code>CHK_ [26/43]</code>	1661
8.1.1.27 <code>CHK_ [27/43]</code>	1662
8.1.1.28 <code>CHK_ [28/43]</code>	1662
8.1.1.29 <code>CHK_ [29/43]</code>	1662
8.1.1.30 <code>CHK_ [30/43]</code>	1662
8.1.1.31 <code>CHK_ [31/43]</code>	1662
8.1.1.32 <code>CHK_ [32/43]</code>	1662
8.1.1.33 <code>CHK_ [33/43]</code>	1662
8.1.1.34 <code>CHK_ [34/43]</code>	1663
8.1.1.35 <code>CHK_ [35/43]</code>	1663
8.1.1.36 <code>CHK_ [36/43]</code>	1663
8.1.1.37 <code>CHK_ [37/43]</code>	1663
8.1.1.38 <code>CHK_ [38/43]</code>	1663
8.1.1.39 <code>CHK_ [39/43]</code>	1663
8.1.1.40 <code>CHK_ [40/43]</code>	1663
8.1.1.41 <code>CHK_ [41/43]</code>	1664
8.1.1.42 <code>CHK_ [42/43]</code>	1664
8.1.1.43 <code>CHK_ [43/43]</code>	1664
8.1.2 Function Documentation	1664
8.1.2.1 <code>Arena::CreateMaybeMessage< ::briar::APIVersion >()</code>	1664
8.1.2.2 <code>Arena::CreateMaybeMessage< ::briar::Attribute >()</code>	1664
8.1.2.3 <code>Arena::CreateMaybeMessage< ::briar::BoolOption >()</code>	1664
8.1.2.4 <code>Arena::CreateMaybeMessage< ::briar::BriarDatabase >()</code>	1665
8.1.2.5 <code>Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >()</code>	1665
8.1.2.6 <code>Arena::CreateMaybeMessage< ::briar::BriarDuration >()</code>	1665
8.1.2.7 <code>Arena::CreateMaybeMessage< ::briar::BriarDurations >()</code>	1665
8.1.2.8 <code>Arena::CreateMaybeMessage< ::briar::BriarDurations_SubDurationsEntry_DoNotUse >()</code>	1665

8.1.2.9 Arena::CreateMaybeMessage< ::briar::BriarDurationsList >()	1665
8.1.2.10 Arena::CreateMaybeMessage< ::briar::BriarMatrix >()	1666
8.1.2.11 Arena::CreateMaybeMessage< ::briar::BriarMedia >()	1666
8.1.2.12 Arena::CreateMaybeMessage< ::briar::BriarPoint2D >()	1666
8.1.2.13 Arena::CreateMaybeMessage< ::briar::BriarProgress >()	1666
8.1.2.14 Arena::CreateMaybeMessage< ::briar::BriarRect >()	1666
8.1.2.15 Arena::CreateMaybeMessage< ::briar::BriarVector >()	1666
8.1.2.16 Arena::CreateMaybeMessage< ::briar::ClusterConfidence >()	1667
8.1.2.17 Arena::CreateMaybeMessage< ::briar::ClusterIds >()	1667
8.1.2.18 Arena::CreateMaybeMessage< ::briar::Detection >()	1667
8.1.2.19 Arena::CreateMaybeMessage< ::briar::DetectionOptions >()	1667
8.1.2.20 Arena::CreateMaybeMessage< ::briar::EnhanceOptions >()	1667
8.1.2.21 Arena::CreateMaybeMessage< ::briar::EnrollmentInfo >()	1667
8.1.2.22 Arena::CreateMaybeMessage< ::briar::EnrollOptions >()	1668
8.1.2.23 Arena::CreateMaybeMessage< ::briar::ExtractOptions >()	1668
8.1.2.24 Arena::CreateMaybeMessage< ::briar::FloatOption >()	1668
8.1.2.25 Arena::CreateMaybeMessage< ::briar::FrameMetadata >()	1668
8.1.2.26 Arena::CreateMaybeMessage< ::briar::IntOption >()	1668
8.1.2.27 Arena::CreateMaybeMessage< ::briar::MediaMetadata >()	1668
8.1.2.28 Arena::CreateMaybeMessage< ::briar::Record >()	1669
8.1.2.29 Arena::CreateMaybeMessage< ::briar::Record_MediaPreviewsEntry_DoNotUse >()	1669
8.1.2.30 Arena::CreateMaybeMessage< ::briar::Record_SubjectPreviewsEntry_DoNotUse >()	1669
8.1.2.31 Arena::CreateMaybeMessage< ::briar::RecordList >()	1669
8.1.2.32 Arena::CreateMaybeMessage< ::briar::SearchMatchInfo >()	1669
8.1.2.33 Arena::CreateMaybeMessage< ::briar::SearchMatchList >()	1669
8.1.2.34 Arena::CreateMaybeMessage< ::briar::SearchOptions >()	1670
8.1.2.35 Arena::CreateMaybeMessage< ::briar::StringOption >()	1670
8.1.2.36 Arena::CreateMaybeMessage< ::briar::Template >()	1670
8.1.2.37 Arena::CreateMaybeMessage< ::briar::TemplateData >()	1670
8.1.2.38 Arena::CreateMaybeMessage< ::briar::TemplateIds >()	1670
8.1.2.39 Arena::CreateMaybeMessage< ::briar::TemplateImageInput >()	1670
8.1.2.40 Arena::CreateMaybeMessage< ::briar::TemplateList >()	1671
8.1.2.41 Arena::CreateMaybeMessage< ::briar::TemplateListGroup >()	1671
8.1.2.42 Arena::CreateMaybeMessage< ::briar::TrackingOptions >()	1671
8.1.2.43 Arena::CreateMaybeMessage< ::briar::Tracklet >()	1671
8.1.2.44 Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo >()	1671
8.1.2.45 Arena::CreateMaybeMessage< ::briar::VerifyMatchList >()	1671
8.1.2.46 Arena::CreateMaybeMessage< ::briar::VerifyOptions >()	1672
8.1.2.47 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto_getter()	1672
8.1.2.48 PROTOBUF_SECTION_VARIABLE()	1672
8.1.3 Variable Documentation	1672

8.1.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto	1672
8.2 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h File Reference	1673
8.2.1 Macro Definition Documentation	1679
8.2.1.1 PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_2eproto	1679
8.2.2 Function Documentation	1679
8.2.2.1 Arena::CreateMaybeMessage<::briar::APIVersion >()	1679
8.2.2.2 Arena::CreateMaybeMessage<::briar::Attribute >()	1679
8.2.2.3 Arena::CreateMaybeMessage<::briar::BoolOption >()	1680
8.2.2.4 Arena::CreateMaybeMessage<::briar::BriarDatabase >()	1680
8.2.2.5 Arena::CreateMaybeMessage<::briar::BriarDatabaseInfo >()	1680
8.2.2.6 Arena::CreateMaybeMessage<::briar::BriarDuration >()	1680
8.2.2.7 Arena::CreateMaybeMessage<::briar::BriarDurations >()	1680
8.2.2.8 Arena::CreateMaybeMessage<::briar::BriarDurations_SubDurationsEntry_DoNotUse >()	1680
8.2.2.9 Arena::CreateMaybeMessage<::briar::BriarDurationsList >()	1681
8.2.2.10 Arena::CreateMaybeMessage<::briar::BriarMatrix >()	1681
8.2.2.11 Arena::CreateMaybeMessage<::briar::BriarMedia >()	1681
8.2.2.12 Arena::CreateMaybeMessage<::briar::BriarPoint2D >()	1681
8.2.2.13 Arena::CreateMaybeMessage<::briar::BriarProgress >()	1681
8.2.2.14 Arena::CreateMaybeMessage<::briar::BriarRect >()	1681
8.2.2.15 Arena::CreateMaybeMessage<::briar::BriarVector >()	1682
8.2.2.16 Arena::CreateMaybeMessage<::briar::ClusterConfidence >()	1682
8.2.2.17 Arena::CreateMaybeMessage<::briar::ClusterIds >()	1682
8.2.2.18 Arena::CreateMaybeMessage<::briar::Detection >()	1682
8.2.2.19 Arena::CreateMaybeMessage<::briar::DetectionOptions >()	1682
8.2.2.20 Arena::CreateMaybeMessage<::briar::EnhanceOptions >()	1682
8.2.2.21 Arena::CreateMaybeMessage<::briar::EnrollmentInfo >()	1683
8.2.2.22 Arena::CreateMaybeMessage<::briar::EnrollOptions >()	1683
8.2.2.23 Arena::CreateMaybeMessage<::briar::ExtractOptions >()	1683
8.2.2.24 Arena::CreateMaybeMessage<::briar::FloatOption >()	1683
8.2.2.25 Arena::CreateMaybeMessage<::briar::FrameMetadata >()	1683
8.2.2.26 Arena::CreateMaybeMessage<::briar::IntOption >()	1683
8.2.2.27 Arena::CreateMaybeMessage<::briar::MediaMetadata >()	1684
8.2.2.28 Arena::CreateMaybeMessage<::briar::Record >()	1684
8.2.2.29 Arena::CreateMaybeMessage<::briar::Record_MediaPreviewsEntry_DoNotUse >()	1684
8.2.2.30 Arena::CreateMaybeMessage<::briar::Record_SubjectPreviewsEntry_DoNotUse >()	1684
8.2.2.31 Arena::CreateMaybeMessage<::briar::RecordList >()	1684
8.2.2.32 Arena::CreateMaybeMessage<::briar::SearchMatchInfo >()	1684
8.2.2.33 Arena::CreateMaybeMessage<::briar::SearchMatchList >()	1685
8.2.2.34 Arena::CreateMaybeMessage<::briar::SearchOptions >()	1685
8.2.2.35 Arena::CreateMaybeMessage<::briar::StringOption >()	1685
8.2.2.36 Arena::CreateMaybeMessage<::briar::Template >()	1685

8.2.2.37 Arena::CreateMaybeMessage<::briar::TemplateData >()	1685
8.2.2.38 Arena::CreateMaybeMessage<::briar::TemplateIds >()	1685
8.2.2.39 Arena::CreateMaybeMessage<::briar::TemplateImageInput >()	1686
8.2.2.40 Arena::CreateMaybeMessage<::briar::TemplateList >()	1686
8.2.2.41 Arena::CreateMaybeMessage<::briar::TemplateListGroup >()	1686
8.2.2.42 Arena::CreateMaybeMessage<::briar::TrackingOptions >()	1686
8.2.2.43 Arena::CreateMaybeMessage<::briar::Tracklet >()	1686
8.2.2.44 Arena::CreateMaybeMessage<::briar::VerifyMatchInfo >()	1686
8.2.2.45 Arena::CreateMaybeMessage<::briar::VerifyMatchList >()	1687
8.2.2.46 Arena::CreateMaybeMessage<::briar::VerifyOptions >()	1687
8.2.2.47 GetEnumDescriptor< ::briar::BiometricModality >()	1687
8.2.2.48 GetEnumDescriptor< ::briar::BriarDataType >()	1687
8.2.2.49 GetEnumDescriptor< ::briar::BriarMedia_DataType >()	1687
8.2.2.50 GetEnumDescriptor< ::briar::BriarServiceStatus >()	1687
8.2.2.51 GetEnumDescriptor< ::briar::EnrollFlags >()	1687
8.2.2.52 GetEnumDescriptor< ::briar::EntryType >()	1688
8.2.2.53 GetEnumDescriptor< ::briar::ExtractFlags >()	1688
8.2.2.54 GetEnumDescriptor< ::briar::FeatureVectorType >()	1688
8.2.2.55 GetEnumDescriptor< ::briar::SearchFlags >()	1688
8.2.2.56 GetEnumDescriptor< ::briar::VerifyFlags >()	1688
8.2.3 Variable Documentation	1688
8.2.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto	1688
8.3 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.cc File Reference	1689
8.3.1 Macro Definition Documentation	1690
8.3.1.1 CHK_ [1/2]	1690
8.3.1.2 CHK_ [2/2]	1690
8.3.2 Function Documentation	1690
8.3.2.1 Arena::CreateMaybeMessage< ::briar::BriarErrorMessage >()	1690
8.3.2.2 Arena::CreateMaybeMessage< ::briar::BriarErrors >()	1690
8.3.2.3 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto_getter()	1691
8.3.2.4 PROTOBUF_SECTION_VARIABLE()	1691
8.3.3 Variable Documentation	1691
8.3.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto	1691
8.4 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.h File Reference	1691
8.4.1 Macro Definition Documentation	1693
8.4.1.1 PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto	1693
8.4.2 Function Documentation	1694
8.4.2.1 Arena::CreateMaybeMessage<::briar::BriarErrorMessage >()	1694
8.4.2.2 Arena::CreateMaybeMessage<::briar::BriarErrors >()	1694
8.4.2.3 GetEnumDescriptor< ::briar::BriarError >()	1694
8.4.3 Variable Documentation	1694
8.4.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto	1694

8.5 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc File Reference	1695
8.5.1 Macro Definition Documentation	1703
8.5.1.1 <code>CHK_ [1/54]</code>	1703
8.5.1.2 <code>CHK_ [2/54]</code>	1703
8.5.1.3 <code>CHK_ [3/54]</code>	1704
8.5.1.4 <code>CHK_ [4/54]</code>	1704
8.5.1.5 <code>CHK_ [5/54]</code>	1704
8.5.1.6 <code>CHK_ [6/54]</code>	1704
8.5.1.7 <code>CHK_ [7/54]</code>	1704
8.5.1.8 <code>CHK_ [8/54]</code>	1704
8.5.1.9 <code>CHK_ [9/54]</code>	1704
8.5.1.10 <code>CHK_ [10/54]</code>	1705
8.5.1.11 <code>CHK_ [11/54]</code>	1705
8.5.1.12 <code>CHK_ [12/54]</code>	1705
8.5.1.13 <code>CHK_ [13/54]</code>	1705
8.5.1.14 <code>CHK_ [14/54]</code>	1705
8.5.1.15 <code>CHK_ [15/54]</code>	1705
8.5.1.16 <code>CHK_ [16/54]</code>	1705
8.5.1.17 <code>CHK_ [17/54]</code>	1706
8.5.1.18 <code>CHK_ [18/54]</code>	1706
8.5.1.19 <code>CHK_ [19/54]</code>	1706
8.5.1.20 <code>CHK_ [20/54]</code>	1706
8.5.1.21 <code>CHK_ [21/54]</code>	1706
8.5.1.22 <code>CHK_ [22/54]</code>	1706
8.5.1.23 <code>CHK_ [23/54]</code>	1706
8.5.1.24 <code>CHK_ [24/54]</code>	1707
8.5.1.25 <code>CHK_ [25/54]</code>	1707
8.5.1.26 <code>CHK_ [26/54]</code>	1707
8.5.1.27 <code>CHK_ [27/54]</code>	1707
8.5.1.28 <code>CHK_ [28/54]</code>	1707
8.5.1.29 <code>CHK_ [29/54]</code>	1707
8.5.1.30 <code>CHK_ [30/54]</code>	1707
8.5.1.31 <code>CHK_ [31/54]</code>	1708
8.5.1.32 <code>CHK_ [32/54]</code>	1708
8.5.1.33 <code>CHK_ [33/54]</code>	1708
8.5.1.34 <code>CHK_ [34/54]</code>	1708
8.5.1.35 <code>CHK_ [35/54]</code>	1708
8.5.1.36 <code>CHK_ [36/54]</code>	1708
8.5.1.37 <code>CHK_ [37/54]</code>	1708
8.5.1.38 <code>CHK_ [38/54]</code>	1709
8.5.1.39 <code>CHK_ [39/54]</code>	1709
8.5.1.40 <code>CHK_ [40/54]</code>	1709

8.5.1.41 <code>CHK_ [41/54]</code>	1709
8.5.1.42 <code>CHK_ [42/54]</code>	1709
8.5.1.43 <code>CHK_ [43/54]</code>	1709
8.5.1.44 <code>CHK_ [44/54]</code>	1709
8.5.1.45 <code>CHK_ [45/54]</code>	1710
8.5.1.46 <code>CHK_ [46/54]</code>	1710
8.5.1.47 <code>CHK_ [47/54]</code>	1710
8.5.1.48 <code>CHK_ [48/54]</code>	1710
8.5.1.49 <code>CHK_ [49/54]</code>	1710
8.5.1.50 <code>CHK_ [50/54]</code>	1710
8.5.1.51 <code>CHK_ [51/54]</code>	1710
8.5.1.52 <code>CHK_ [52/54]</code>	1711
8.5.1.53 <code>CHK_ [53/54]</code>	1711
8.5.1.54 <code>CHK_ [54/54]</code>	1711
8.5.2 Function Documentation	1711
8.5.2.1 <code>Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply >()</code>	1711
8.5.2.2 <code>Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest >()</code>	1711
8.5.2.3 <code>Arena::CreateMaybeMessage< ::briar::ClusterReply >()</code>	1711
8.5.2.4 <code>Arena::CreateMaybeMessage< ::briar::ClusterRequest >()</code>	1712
8.5.2.5 <code>Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply >()</code>	1712
8.5.2.6 <code>Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest >()</code>	1712
8.5.2.7 <code>Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest >()</code>	1712
8.5.2.8 <code>Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply >()</code>	1712
8.5.2.9 <code>Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest >()</code>	1712
8.5.2.10 <code>Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply >()</code>	1713
8.5.2.11 <code>Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest >()</code>	1713
8.5.2.12 <code>Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply >()</code>	1713
8.5.2.13 <code>Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest >()</code>	1713
8.5.2.14 <code>Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply >()</code>	1713
8.5.2.15 <code>Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest >()</code>	1713
8.5.2.16 <code>Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply >()</code>	1714
8.5.2.17 <code>Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest >()</code>	1714
8.5.2.18 <code>Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply >()</code>	1714
8.5.2.19 <code>Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest >()</code>	1714
8.5.2.20 <code>Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesReply >()</code>	1714
8.5.2.21 <code>Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest >()</code>	1714
8.5.2.22 <code>Arena::CreateMaybeMessage< ::briar::DatabaseListReply >()</code>	1715
8.5.2.23 <code>Arena::CreateMaybeMessage< ::briar::DatabaseListRequest >()</code>	1715
8.5.2.24 <code>Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply >()</code>	1715
8.5.2.25 <code>Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest >()</code>	1715
8.5.2.26 <code>Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply >()</code>	1715
8.5.2.27 <code>Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest >()</code>	1715

8.5.2.28 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply >()	1716
8.5.2.29 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest >()	1716
8.5.2.30 Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply >()	1716
8.5.2.31 Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest >()	1716
8.5.2.32 Arena::CreateMaybeMessage< ::briar::DatabaseRenameReply >()	1716
8.5.2.33 Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest >()	1716
8.5.2.34 Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveReply >()	1717
8.5.2.35 Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveRequest >()	1717
8.5.2.36 Arena::CreateMaybeMessage< ::briar::DetectReply >()	1717
8.5.2.37 Arena::CreateMaybeMessage< ::briar::DetectRequest >()	1717
8.5.2.38 Arena::CreateMaybeMessage< ::briar::Empty >()	1717
8.5.2.39 Arena::CreateMaybeMessage< ::briar::EnhanceReply >()	1717
8.5.2.40 Arena::CreateMaybeMessage< ::briar::EnhanceRequest >()	1718
8.5.2.41 Arena::CreateMaybeMessage< ::briar::EnrollCustomRequest >()	1718
8.5.2.42 Arena::CreateMaybeMessage< ::briar::EnrollReply >()	1718
8.5.2.43 Arena::CreateMaybeMessage< ::briar::EnrollRequest >()	1718
8.5.2.44 Arena::CreateMaybeMessage< ::briar::ExtractReply >()	1718
8.5.2.45 Arena::CreateMaybeMessage< ::briar::ExtractRequest >()	1718
8.5.2.46 Arena::CreateMaybeMessage< ::briar::SearchDatabaseReply >()	1719
8.5.2.47 Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest >()	1719
8.5.2.48 Arena::CreateMaybeMessage< ::briar::SearchReply >()	1719
8.5.2.49 Arena::CreateMaybeMessage< ::briar::SearchRequest >()	1719
8.5.2.50 Arena::CreateMaybeMessage< ::briar::StatusReply >()	1719
8.5.2.51 Arena::CreateMaybeMessage< ::briar::StatusRequest >()	1719
8.5.2.52 Arena::CreateMaybeMessage< ::briar::TrackReply >()	1720
8.5.2.53 Arena::CreateMaybeMessage< ::briar::TrackRequest >()	1720
8.5.2.54 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply >()	1720
8.5.2.55 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse >()	1720
8.5.2.56 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse >()	1720
8.5.2.57 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse >()	1721
8.5.2.58 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse >()	1721
8.5.2.59 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse >()	1721
8.5.2.60 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse >()	1721
8.5.2.61 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseRequest >()	1721
8.5.2.62 Arena::CreateMaybeMessage< ::briar::VerifyReply >()	1722
8.5.2.63 Arena::CreateMaybeMessage< ::briar::VerifyRequest >()	1722
8.5.2.64 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto_getter()	1722
8.5.2.65 PROTOBUF_SECTION_VARIABLE()	1722

8.5.3 Variable Documentation	1722
8.5.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1722
8.6 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h File Reference	1723
8.6.1 Macro Definition Documentation	1727
8.6.1.1 PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1728
8.6.2 Function Documentation	1728
8.6.2.1 Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationReply >()	1728
8.6.2.2 Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationRequest >()	1728
8.6.2.3 Arena::CreateMaybeMessage<::briar::ClusterReply >()	1728
8.6.2.4 Arena::CreateMaybeMessage<::briar::ClusterRequest >()	1728
8.6.2.5 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointReply >()	1728
8.6.2.6 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointRequest >()	1729
8.6.2.7 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointSubjectRequest >()	1729
8.6.2.8 Arena::CreateMaybeMessage<::briar::DatabaseCreateReply >()	1729
8.6.2.9 Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest >()	1729
8.6.2.10 Arena::CreateMaybeMessage<::briar::DatabaseDeleteReply >()	1729
8.6.2.11 Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest >()	1729
8.6.2.12 Arena::CreateMaybeMessage<::briar::DatabaseFinalizeReply >()	1730
8.6.2.13 Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest >()	1730
8.6.2.14 Arena::CreateMaybeMessage<::briar::DatabaseHasEntryReply >()	1730
8.6.2.15 Arena::CreateMaybeMessage<::briar::DatabaseHasEntryRequest >()	1730
8.6.2.16 Arena::CreateMaybeMessage<::briar::DatabaseInfoReply >()	1730
8.6.2.17 Arena::CreateMaybeMessage<::briar::DatabaseInfoRequest >()	1730
8.6.2.18 Arena::CreateMaybeMessage<::briar::DatabaseInsertReply >()	1731
8.6.2.19 Arena::CreateMaybeMessage<::briar::DatabaseInsertRequest >()	1731
8.6.2.20 Arena::CreateMaybeMessage<::briar::DatabaseListEntriesReply >()	1731
8.6.2.21 Arena::CreateMaybeMessage<::briar::DatabaseListEntriesRequest >()	1731
8.6.2.22 Arena::CreateMaybeMessage<::briar::DatabaseListReply >()	1731
8.6.2.23 Arena::CreateMaybeMessage<::briar::DatabaseListRequest >()	1731
8.6.2.24 Arena::CreateMaybeMessage<::briar::DatabaseLoadReply >()	1732
8.6.2.25 Arena::CreateMaybeMessage<::briar::DatabaseLoadRequest >()	1732
8.6.2.26 Arena::CreateMaybeMessage<::briar::DatabaseMergeReply >()	1732
8.6.2.27 Arena::CreateMaybeMessage<::briar::DatabaseMergeRequest >()	1732
8.6.2.28 Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryReply >()	1732
8.6.2.29 Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryRequest >()	1732
8.6.2.30 Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsReply >()	1733
8.6.2.31 Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsRequest >()	1733
8.6.2.32 Arena::CreateMaybeMessage<::briar::DatabaseRenameReply >()	1733
8.6.2.33 Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest >()	1733
8.6.2.34 Arena::CreateMaybeMessage<::briar::DatabaseRetrieveReply >()	1733
8.6.2.35 Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest >()	1733
8.6.2.36 Arena::CreateMaybeMessage<::briar::DetectReply >()	1734

8.6.2.37 Arena::CreateMaybeMessage<::briar::DetectRequest >()	1734
8.6.2.38 Arena::CreateMaybeMessage<::briar::Empty >()	1734
8.6.2.39 Arena::CreateMaybeMessage<::briar::EnhanceReply >()	1734
8.6.2.40 Arena::CreateMaybeMessage<::briar::EnhanceRequest >()	1734
8.6.2.41 Arena::CreateMaybeMessage<::briar::EnrollCustomRequest >()	1734
8.6.2.42 Arena::CreateMaybeMessage<::briar::EnrollReply >()	1735
8.6.2.43 Arena::CreateMaybeMessage<::briar::EnrollRequest >()	1735
8.6.2.44 Arena::CreateMaybeMessage<::briar::ExtractReply >()	1735
8.6.2.45 Arena::CreateMaybeMessage<::briar::ExtractRequest >()	1735
8.6.2.46 Arena::CreateMaybeMessage<::briar::SearchDatabaseReply >()	1735
8.6.2.47 Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest >()	1735
8.6.2.48 Arena::CreateMaybeMessage<::briar::SearchReply >()	1736
8.6.2.49 Arena::CreateMaybeMessage<::briar::SearchRequest >()	1736
8.6.2.50 Arena::CreateMaybeMessage<::briar::StatusReply >()	1736
8.6.2.51 Arena::CreateMaybeMessage<::briar::StatusRequest >()	1736
8.6.2.52 Arena::CreateMaybeMessage<::briar::TrackReply >()	1736
8.6.2.53 Arena::CreateMaybeMessage<::briar::TrackRequest >()	1736
8.6.2.54 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply >()	1737
8.6.2.55 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse >()	1737
8.6.2.56 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse >()	1737
8.6.2.57 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse >()	1737
8.6.2.58 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse >()	1737
8.6.2.59 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse >()	1738
8.6.2.60 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse >()	1738
8.6.2.61 Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest >()	1738
8.6.2.62 Arena::CreateMaybeMessage<::briar::VerifyReply >()	1738
8.6.2.63 Arena::CreateMaybeMessage<::briar::VerifyRequest >()	1738
8.6.2.64 GetEnumDescriptor< ::briar::VerifyRequest_VerifyRole >()	1738
8.6.3 Variable Documentation	1739
8.6.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1739
8.7 stubs_readme.md File Reference	1739

Chapter 1

BRIAR API Stubs

gRPC Stubs Overview

Stubs are the 'compiled' versions of the protobuf files, although I use the word 'compiled' loosely because the protobuf files have actually been translated into the corresponding language's source code. These files are significantly more complex than the protobuf files but the names of messages and services defined in the protobuf files remain the same in the source files and the objects are ready to use once you have included the source files into your project.

Instructions on how to use gRPC stubs for compatible languages

Google has instructions on how to use gRPC for the different supported languages on their main gRPC website. The link below will take you to a page where you can select a tutorial for your language of choice.

<https://grpc.io/docs/languages/>

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all namespaces with brief descriptions:

briar	23
internal	67

Chapter 3

Hierarchical Index

3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

briar::APIVersion::_Internal	69
briar::Attribute::_Internal	69
briar::BoolOption::_Internal	70
briar::BriarDatabase::_Internal	70
briar::BriarDatabaseInfo::_Internal	70
briar::BriarDuration::_Internal	71
briar::BriarDurations::_Internal	71
briar::BriarDurationsList::_Internal	72
briar::BriarErrorMessage::_Internal	72
briar::BriarErrors::_Internal	72
briar::BriarMatrix::_Internal	73
briar::BriarMedia::_Internal	73
briar::BriarPoint2D::_Internal	73
briar::BriarProgress::_Internal	73
briar::BriarRect::_Internal	73
briar::BriarServiceConfigurationReply::_Internal	73
briar::BriarServiceConfigurationRequest::_Internal	74
briar::BriarVector::_Internal	74
briar::ClusterConfidence::_Internal	74
briar::ClusterIds::_Internal	74
briar::ClusterReply::_Internal	74
briar::ClusterRequest::_Internal	75
briar::DatabaseCheckpointReply::_Internal	76
briar::DatabaseCheckpointRequest::_Internal	76
briar::DatabaseCheckpointSubjectRequest::_Internal	77
briar::DatabaseCreateReply::_Internal	78
briar::DatabaseCreateRequest::_Internal	79
briar::DatabaseDeleteReply::_Internal	79
briar::DatabaseDeleteRequest::_Internal	80
briar::DatabaseFinalizeReply::_Internal	81
briar::DatabaseFinalizeRequest::_Internal	81
briar::DatabaseHasEntryReply::_Internal	82
briar::DatabaseHasEntryRequest::_Internal	82
briar::DatabaseInfoReply::_Internal	82
briar::DatabaseInfoRequest::_Internal	83

briar::DatabaseInsertReply::_Internal	83
briar::DatabaseInsertRequest::_Internal	84
briar::DatabaseListentriesReply::_Internal	85
briar::DatabaseListEntriesRequest::_Internal	86
briar::DatabaseListReply::_Internal	86
briar::DatabaseListRequest::_Internal	86
briar::DatabaseLoadReply::_Internal	86
briar::DatabaseLoadRequest::_Internal	87
briar::DatabaseMergeReply::_Internal	88
briar::DatabaseMergeRequest::_Internal	88
briar::DatabaseMoveEntryReply::_Internal	89
briar::DatabaseMoveEntryRequest::_Internal	89
briar::DatabaseRemoveTmplsReply::_Internal	90
briar::DatabaseRemoveTmplsRequest::_Internal	90
briar::DatabaseRenameReply::_Internal	91
briar::DatabaseRenameRequest::_Internal	92
briar::DatabaseRetrieveReply::_Internal	92
briar::DatabaseRetrieveRequest::_Internal	93
briar::Detection::_Internal	94
briar::DetectionOptions::_Internal	95
briar::DetectReply::_Internal	97
briar::DetectRequest::_Internal	98
briar::Empty::_Internal	99
briar::EnhanceOptions::_Internal	99
briar::EnhanceReply::_Internal	100
briar::EnhanceRequest::_Internal	101
briar::EnrollCustomRequest::_Internal	101
briar::EnrollmentInfo::_Internal	102
briar::EnrollOptions::_Internal	103
briar::EnrollReply::_Internal	104
briar::EnrollRequest::_Internal	105
briar::ExtractOptions::_Internal	107
briar::ExtractReply::_Internal	108
briar::ExtractRequest::_Internal	109
briar::FloatOption::_Internal	110
briar::FrameMetadata::_Internal	110
briar::IntOption::_Internal	110
briar::MediaMetadata::_Internal	111
briar::Record::_Internal	111
briar::RecordList::_Internal	111
briar::SearchDatabaseReply::_Internal	111
briar::SearchDatabaseRequest::_Internal	112
briar::SearchMatchInfo::_Internal	113
briar::SearchMatchList::_Internal	114
briar::SearchOptions::_Internal	114
briar::SearchReply::_Internal	116
briar::SearchRequest::_Internal	117
briar::StatusReply::_Internal	119
briar::StatusRequest::_Internal	119
briar::StringOption::_Internal	120
briar::Template::_Internal	120
briar::TemplateData::_Internal	120
briar::TemplateIds::_Internal	120
briar::TemplateImageInput::_Internal	120
briar::TemplateList::_Internal	121
briar::TemplateListGroup::_Internal	121
briar::TrackingOptions::_Internal	121
briar::Tracklet::_Internal	122

briar::TrackReply::_Internal	123
briar::TrackRequest::_Internal	124
briar::VerifyDatabaseReply::_Internal	124
briar::VerifyDatabaseRequest::_Internal	125
briar::VerifyMatchInfo::_Internal	126
briar::VerifyMatchList::_Internal	127
briar::VerifyOptions::_Internal	127
briar::VerifyReply::_Internal	128
briar::VerifyRequest::_Internal	129
briar::APIVersionDefaultTypeInternal	140
briar::AttributeDefaultTypeInternal	165
briar::BoolOptionDefaultTypeInternal	174
briar::BriarDatabaseDefaultTypeInternal	184
briar::BriarDatabaseInfoDefaultTypeInternal	204
briar::BriarDurationDefaultTypeInternal	214
briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal	235
briar::BriarDurationsDefaultTypeInternal	236
briar::BriarDurationsListDefaultTypeInternal	246
briar::BriarErrorMessageDefaultTypeInternal	257
briar::BriarErrorsDefaultTypeInternal	267
briar::BriarMatrixDefaultTypeInternal	292
briar::BriarMediaDefaultTypeInternal	320
briar::BriarPoint2DDefaultTypeInternal	330
briar::BriarProgressDefaultTypeInternal	340
briar::BriarRectDefaultTypeInternal	351
briar::BriarServiceConfigurationReplyDefaultTypeInternal	366
briar::BriarServiceConfigurationRequestDefaultTypeInternal	373
briar::BriarVectorDefaultTypeInternal	383
briar::ClusterConfidenceDefaultTypeInternal	393
briar::ClusterIdsDefaultTypeInternal	404
briar::ClusterReplyDefaultTypeInternal	419
briar::ClusterRequestDefaultTypeInternal	431
briar::DatabaseCheckpointReplyDefaultTypeInternal	443
briar::DatabaseCheckpointRequestDefaultTypeInternal	457
briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal	471
briar::DatabaseCreateReplyDefaultTypeInternal	484
briar::DatabaseCreateRequestDefaultTypeInternal	497
briar::DatabaseDeleteReplyDefaultTypeInternal	510
briar::DatabaseDeleteRequestDefaultTypeInternal	521
briar::DatabaseFinalizeReplyDefaultTypeInternal	533
briar::DatabaseFinalizeRequestDefaultTypeInternal	544
briar::DatabaseHasEntryReplyDefaultTypeInternal	555
briar::DatabaseHasEntryRequestDefaultTypeInternal	567
briar::DatabaseInfoReplyDefaultTypeInternal	579
briar::DatabaseInfoRequestDefaultTypeInternal	590
briar::DatabaseInsertReplyDefaultTypeInternal	604
briar::DatabaseInsertRequestDefaultTypeInternal	618
briar::DatabaseListentriesReplyDefaultTypeInternal	633
briar::DatabaseListEntriesRequestDefaultTypeInternal	644
briar::DatabaseListReplyDefaultTypeInternal	656
briar::DatabaseListRequestDefaultTypeInternal	666
briar::DatabaseLoadReplyDefaultTypeInternal	680
briar::DatabaseLoadRequestDefaultTypeInternal	692
briar::DatabaseMergeReplyDefaultTypeInternal	704
briar::DatabaseMergeRequestDefaultTypeInternal	716
briar::DatabaseMoveEntryReplyDefaultTypeInternal	727
briar::DatabaseMoveEntryRequestDefaultTypeInternal	741
briar::DatabaseRemoveTmpsReplyDefaultTypeInternal	752

briar::DatabaseRemoveTmplsRequestDefaultTypeInternal	765
briar::DatabaseRenameReplyDefaultTypeInternal	777
briar::DatabaseRenameRequestDefaultTypeInternal	789
briar::DatabaseRetrieveReplyDefaultTypeInternal	803
briar::DatabaseRetrieveRequestDefaultTypeInternal	816
briar::DetectionDefaultTypeInternal	835
briar::DetectionOptionsDefaultTypeInternal	859
briar::DetectReplyDefaultTypeInternal	876
briar::DetectRequestDefaultTypeInternal	893
briar::EmptyDefaultTypeInternal	900
briar::EnhanceOptionsDefaultTypeInternal	915
briar::EnhanceReplyDefaultTypeInternal	930
briar::EnhanceRequestDefaultTypeInternal	945
briar::EnrollCustomRequestDefaultTypeInternal	963
briar::EnrollmentInfoDefaultTypeInternal	980
briar::EnrollOptionsDefaultTypeInternal	1004
briar::EnrollReplyDefaultTypeInternal	1024
briar::EnrollRequestDefaultTypeInternal	1051
briar::ExtractOptionsDefaultTypeInternal	1067
briar::ExtractReplyDefaultTypeInternal	1085
briar::ExtractRequestDefaultTypeInternal	1100
briar::FloatOptionDefaultTypeInternal	1110
briar::FrameMetadataDefaultTypeInternal	1120
briar::IntOptionDefaultTypeInternal	1130
PROTOBUF_NAMESPACE_ID::internal::MapEntry	
briar::BriarDurations_SubDurationsEntry_DoNotUse	232
briar::Record_MediaPreviewsEntry_DoNotUse	1182
briar::Record_SubjectPreviewsEntry_DoNotUse	1186
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse	1519
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse	1523
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse	1528
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse	1532
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse	1537
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse	1541
briar::MediaMetadataDefaultTypeInternal	1153
PROTOBUF_NAMESPACE_ID::Message	
briar::APIVersion	131
briar::Attribute	141
briar::BoolOption	166
briar::BriarDatabase	176
briar::BriarDatabaseInfo	186
briar::BriarDuration	206
briar::BriarDurations	216
briar::BriarDurationsList	238
briar::BriarErrorMessage	248
briar::BriarErrors	258
briar::BriarMatrix	269
briar::BriarMedia	293
briar::BriarPoint2D	322
briar::BriarProgress	332
briar::BriarRect	342
briar::BriarServiceConfigurationReply	353
briar::BriarVector	375
briar::ClusterConfidence	385
briar::ClusterIds	394
briar::ClusterReply	406
briar::ClusterRequest	421
briar::DatabaseCheckpointReply	432

briar::DatabaseCheckpointRequest	444
briar::DatabaseCheckpointSubjectRequest	458
briar::DatabaseCreateReply	473
briar::DatabaseCreateRequest	486
briar::DatabaseDeleteReply	499
briar::DatabaseDeleteRequest	511
briar::DatabaseFinalizeReply	523
briar::DatabaseFinalizeRequest	535
briar::DatabaseHasEntryReply	545
briar::DatabaseHasEntryRequest	557
briar::DatabaseInfoReply	568
briar::DatabaseInfoRequest	580
briar::DatabaseInsertReply	592
briar::DatabaseInsertRequest	605
briar::DatabaseListEntriesRequest	634
briar::DatabaseListReply	646
briar::DatabaseListRequest	657
briar::DatabaseListentriesReply	620
briar::DatabaseLoadReply	667
briar::DatabaseLoadRequest	682
briar::DatabaseMergeReply	693
briar::DatabaseMergeRequest	705
briar::DatabaseMoveEntryReply	718
briar::DatabaseMoveEntryRequest	729
briar::DatabaseRemoveTmplsReply	742
briar::DatabaseRemoveTmplsRequest	754
briar::DatabaseRenameReply	767
briar::DatabaseRenameRequest	779
briar::DatabaseRetrieveReply	790
briar::DatabaseRetrieveRequest	805
briar::DetectReply	861
briar::DetectRequest	877
briar::Detection	818
briar::DetectionOptions	836
briar::EnhanceOptions	902
briar::EnhanceReply	917
briar::EnhanceRequest	931
briar::EnrollCustomRequest	947
briar::EnrollOptions	982
briar::EnrollReply	1006
briar::EnrollRequest	1026
briar::EnrollmentInfo	965
briar::ExtractOptions	1052
briar::ExtractReply	1069
briar::ExtractRequest	1087
briar::FloatOption	1102
briar::FrameMetadata	1112
briar::IntOption	1122
briar::MediaMetadata	1143
briar::Record	1155
briar::RecordList	1192
briar::SearchDatabaseReply	1202
briar::SearchDatabaseRequest	1216
briar::SearchMatchInfo	1232
briar::SearchMatchList	1255
briar::SearchOptions	1265
briar::SearchReply	1290
briar::SearchRequest	1308

briar::StatusReply	1327
briar::StringOption	1351
briar::Template	1363
briar::TemplateData	1379
briar::TemplateIds	1397
briar::TemplateImageInput	1409
briar::TemplateList	1420
briar::TemplateListGroup	1430
briar::TrackReply	1472
briar::TrackRequest	1488
briar::TrackingOptions	1440
briar::Tracklet	1457
briar::VerifyDatabaseReply	1503
briar::VerifyDatabaseRequest	1547
briar::VerifyMatchInfo	1564
briar::VerifyMatchList	1587
briar::VerifyOptions	1597
briar::VerifyReply	1613
briar::VerifyRequest	1629
briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal	1185
briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal	1189
briar::RecordDefaultTypeInternal	1190
briar::RecordListDefaultTypeInternal	1200
briar::SearchDatabaseReplyDefaultTypeInternal	1214
briar::SearchDatabaseRequestDefaultTypeInternal	1231
briar::SearchMatchInfoDefaultTypeInternal	1253
briar::SearchMatchListDefaultTypeInternal	1263
briar::SearchOptionsDefaultTypeInternal	1288
briar::SearchReplyDefaultTypeInternal	1306
briar::SearchRequestDefaultTypeInternal	1325
briar::StatusReplyDefaultTypeInternal	1342
briar::StatusRequestDefaultTypeInternal	1349
briar::StringOptionDefaultTypeInternal	1360
TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot0	1361
TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eprot0	1362
TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot0	1362
briar::TemplateDataDefaultTypeInternal	1394
briar::TemplateDefaultTypeInternal	1395
briar::TemplateIdsDefaultTypeInternal	1407
briar::TemplateImageInputDefaultTypeInternal	1419
briar::TemplateListDefaultTypeInternal	1429
briar::TemplateListGroupDefaultTypeInternal	1439
briar::TrackingOptionsDefaultTypeInternal	1456
briar::TrackletDefaultTypeInternal	1470
briar::TrackReplyDefaultTypeInternal	1486
briar::TrackRequestDefaultTypeInternal	1502
std::true_type	
is_proto_enum< ::briar::BiometricModality >	1132
is_proto_enum< ::briar::BriarDataType >	1132
is_proto_enum< ::briar::BriarError >	1133
is_proto_enum< ::briar::BriarMedia_DataType >	1134
is_proto_enum< ::briar::BriarServiceStatus >	1135
is_proto_enum< ::briar::EnrollFlags >	1136
is_proto_enum< ::briar::EntryType >	1137
is_proto_enum< ::briar::ExtractFlags >	1138
is_proto_enum< ::briar::FeatureVectorType >	1139
is_proto_enum< ::briar::SearchFlags >	1140
is_proto_enum< ::briar::VerifyFlags >	1141

is_proto_enum< ::briar::VerifyRequest_VerifyRole >	1142
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal	1522
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal	1526
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal	1531
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal	1535
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal	1540
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal	1544
briar::VerifyDatabaseReplyDefaultTypeInternal	1546
briar::VerifyDatabaseRequestDefaultTypeInternal	1563
briar::VerifyMatchInfoDefaultTypeInternal	1585
briar::VerifyMatchListDefaultTypeInternal	1595
briar::VerifyOptionsDefaultTypeInternal	1612
briar::VerifyReplyDefaultTypeInternal	1628
briar::VerifyRequestDefaultTypeInternal	1649
PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase	
briar::BriarServiceConfigurationRequest	367
briar::Empty	895
briar::StatusRequest	1344

Chapter 4

Class Index

4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

briar::APIVersion::Internal	69
briar::Attribute::Internal	69
briar::BoolOption::Internal	70
briar::BriarDatabase::Internal	70
briar::BriarDatabaseInfo::Internal	70
briar::BriarDuration::Internal	71
briar::BriarDurations::Internal	71
briar::BriarDurationsList::Internal	72
briar::BriarErrorMessage::Internal	72
briar::BriarErrors::Internal	72
briar::BriarMatrix::Internal	73
briar::BriarMedia::Internal	73
briar::BriarPoint2D::Internal	73
briar::BriarProgress::Internal	73
briar::BriarRect::Internal	73
briar::BriarServiceConfigurationReply::Internal	73
briar::BriarServiceConfigurationRequest::Internal	74
briar::BriarVector::Internal	74
briar::ClusterConfidence::Internal	74
briar::ClusterIds::Internal	74
briar::ClusterReply::Internal	74
briar::ClusterRequest::Internal	75
briar::DatabaseCheckpointReply::Internal	76
briar::DatabaseCheckpointRequest::Internal	76
briar::DatabaseCheckpointSubjectRequest::Internal	77
briar::DatabaseCreateReply::Internal	78
briar::DatabaseCreateRequest::Internal	79
briar::DatabaseDeleteReply::Internal	79
briar::DatabaseDeleteRequest::Internal	80
briar::DatabaseFinalizeReply::Internal	81
briar::DatabaseFinalizeRequest::Internal	81
briar::DatabaseHasEntryReply::Internal	82
briar::DatabaseHasEntryRequest::Internal	82
briar::DatabaseInfoReply::Internal	82
briar::DatabaseInfoRequest::Internal	83

briar::DatabaseInsertReply::_Internal	83
briar::DatabaseInsertRequest::_Internal	84
briar::DatabaseListentriesReply::_Internal	85
briar::DatabaseListEntriesRequest::_Internal	86
briar::DatabaseListReply::_Internal	86
briar::DatabaseListRequest::_Internal	86
briar::DatabaseLoadReply::_Internal	86
briar::DatabaseLoadRequest::_Internal	87
briar::DatabaseMergeReply::_Internal	88
briar::DatabaseMergeRequest::_Internal	88
briar::DatabaseMoveEntryReply::_Internal	89
briar::DatabaseMoveEntryRequest::_Internal	89
briar::DatabaseRemoveTmplsReply::_Internal	90
briar::DatabaseRemoveTmplsRequest::_Internal	90
briar::DatabaseRenameReply::_Internal	91
briar::DatabaseRenameRequest::_Internal	92
briar::DatabaseRetrieveReply::_Internal	92
briar::DatabaseRetrieveRequest::_Internal	93
briar::Detection::_Internal	94
briar::DetectionOptions::_Internal	95
briar::DetectReply::_Internal	97
briar::DetectRequest::_Internal	98
briar::Empty::_Internal	99
briar::EnhanceOptions::_Internal	99
briar::EnhanceReply::_Internal	100
briar::EnhanceRequest::_Internal	101
briar::EnrollCustomRequest::_Internal	101
briar::EnrollmentInfo::_Internal	102
briar::EnrollOptions::_Internal	103
briar::EnrollReply::_Internal	104
briar::EnrollRequest::_Internal	105
briar::ExtractOptions::_Internal	107
briar::ExtractReply::_Internal	108
briar::ExtractRequest::_Internal	109
briar::FloatOption::_Internal	110
briar::FrameMetadata::_Internal	110
briar::IntOption::_Internal	110
briar::MediaMetadata::_Internal	111
briar::Record::_Internal	111
briar::RecordList::_Internal	111
briar::SearchDatabaseReply::_Internal	111
briar::SearchDatabaseRequest::_Internal	112
briar::SearchMatchInfo::_Internal	113
briar::SearchMatchList::_Internal	114
briar::SearchOptions::_Internal	114
briar::SearchReply::_Internal	116
briar::SearchRequest::_Internal	117
briar::StatusReply::_Internal	119
briar::StatusRequest::_Internal	119
briar::StringOption::_Internal	120
briar::Template::_Internal	120
briar::TemplateData::_Internal	120
briar::TemplateIds::_Internal	120
briar::TemplateImageInput::_Internal	120
briar::TemplateList::_Internal	121
briar::TemplateListGroup::_Internal	121
briar::TrackingOptions::_Internal	121
briar::Tracklet::_Internal	122

briar::TrackReply::_Internal	123
briar::TrackRequest::_Internal	124
briar::VerifyDatabaseReply::_Internal	124
briar::VerifyDatabaseRequest::_Internal	125
briar::VerifyMatchInfo::_Internal	126
briar::VerifyMatchList::_Internal	127
briar::VerifyOptions::_Internal	127
briar::VerifyReply::_Internal	128
briar::VerifyRequest::_Internal	129
briar::APIVersion	131
briar::APIVersionDefaultTypeInternal	140
briar::Attribute	141
briar::AttributeDefaultTypeInternal	165
briar::BoolOption	166
briar::BoolOptionDefaultTypeInternal	174
briar::BriarDatabase	176
briar::BriarDatabaseDefaultTypeInternal	184
briar::BriarDatabaseInfo	186
briar::BriarDatabaseInfoDefaultTypeInternal	204
briar::BriarDuration	206
briar::BriarDurationDefaultTypeInternal	214
briar::BriarDurations	216
briar::BriarDurations_SubDurationsEntry_DoNotUse	232
briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal	235
briar::BriarDurationsDefaultTypeInternal	236
briar::BriarDurationsList	238
briar::BriarDurationsListDefaultTypeInternal	246
briar::BriarErrorMessage	248
briar::BriarErrorMessageDefaultTypeInternal	257
briar::BriarErrors	258
briar::BriarErrorsDefaultTypeInternal	267
briar::BriarMatrix	269
briar::BriarMatrixDefaultTypeInternal	292
briar::BriarMedia	293
briar::BriarMediaDefaultTypeInternal	320
briar::BriarPoint2D	322
briar::BriarPoint2DDefaultTypeInternal	330
briar::BriarProgress	332
briar::BriarProgressDefaultTypeInternal	340
briar::BriarRect	342
briar::BriarRectDefaultTypeInternal	351
briar::BriarServiceConfigurationReply	353
briar::BriarServiceConfigurationReplyDefaultTypeInternal	366
briar::BriarServiceConfigurationRequest	367
briar::BriarServiceConfigurationRequestDefaultTypeInternal	373
briar::BriarVector	375
briar::BriarVectorDefaultTypeInternal	383
briar::ClusterConfidence	385
briar::ClusterConfidenceDefaultTypeInternal	393
briar::ClusterIds	394
briar::ClusterIdsDefaultTypeInternal	404
briar::ClusterReply	406
briar::ClusterReplyDefaultTypeInternal	419
briar::ClusterRequest	421
briar::ClusterRequestDefaultTypeInternal	431
briar::DatabaseCheckpointReply	432
briar::DatabaseCheckpointReplyDefaultTypeInternal	443
briar::DatabaseCheckpointRequest	444

briar::DatabaseCheckpointRequestDefaultTypeInternal	457
briar::DatabaseCheckpointSubjectRequest	458
briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal	471
briar::DatabaseCreateReply	473
briar::DatabaseCreateReplyDefaultTypeInternal	484
briar::DatabaseCreateRequest	486
briar::DatabaseCreateRequestDefaultTypeInternal	497
briar::DatabaseDeleteReply	499
briar::DatabaseDeleteReplyDefaultTypeInternal	510
briar::DatabaseDeleteRequest	511
briar::DatabaseDeleteRequestDefaultTypeInternal	521
briar::DatabaseFinalizeReply	523
briar::DatabaseFinalizeReplyDefaultTypeInternal	533
briar::DatabaseFinalizeRequest	535
briar::DatabaseFinalizeRequestDefaultTypeInternal	544
briar::DatabaseHasEntryReply	545
briar::DatabaseHasEntryReplyDefaultTypeInternal	555
briar::DatabaseHasEntryRequest	557
briar::DatabaseHasEntryRequestDefaultTypeInternal	567
briar::DatabaseInfoReply	568
briar::DatabaseInfoReplyDefaultTypeInternal	579
briar::DatabaseInfoRequest	580
briar::DatabaseInfoRequestDefaultTypeInternal	590
briar::DatabaseInsertReply	592
briar::DatabaseInsertReplyDefaultTypeInternal	604
briar::DatabaseInsertRequest	605
briar::DatabaseInsertRequestDefaultTypeInternal	618
briar::DatabaseListentriesReply	620
briar::DatabaseListentriesReplyDefaultTypeInternal	633
briar::DatabaseListEntriesRequest	634
briar::DatabaseListEntriesRequestDefaultTypeInternal	644
briar::DatabaseListReply	646
briar::DatabaseListReplyDefaultTypeInternal	656
briar::DatabaseListRequest	657
briar::DatabaseListRequestDefaultTypeInternal	666
briar::DatabaseLoadReply	667
briar::DatabaseLoadReplyDefaultTypeInternal	680
briar::DatabaseLoadRequest	682
briar::DatabaseLoadRequestDefaultTypeInternal	692
briar::DatabaseMergeReply	693
briar::DatabaseMergeReplyDefaultTypeInternal	704
briar::DatabaseMergeRequest	705
briar::DatabaseMergeRequestDefaultTypeInternal	716
briar::DatabaseMoveEntryReply	718
briar::DatabaseMoveEntryReplyDefaultTypeInternal	727
briar::DatabaseMoveEntryRequest	729
briar::DatabaseMoveEntryRequestDefaultTypeInternal	741
briar::DatabaseRemoveTmplsReply	742
briar::DatabaseRemoveTmplsReplyDefaultTypeInternal	752
briar::DatabaseRemoveTmplsRequest	754
briar::DatabaseRemoveTmplsRequestDefaultTypeInternal	765
briar::DatabaseRenameReply	767
briar::DatabaseRenameReplyDefaultTypeInternal	777
briar::DatabaseRenameRequest	779
briar::DatabaseRenameRequestDefaultTypeInternal	789
briar::DatabaseRetrieveReply	790
briar::DatabaseRetrieveReplyDefaultTypeInternal	803
briar::DatabaseRetrieveRequest	805

briar::DatabaseRetrieveRequestDefaultTypeInternal	816
briar::Detection	818
briar::DetectionDefaultTypeInternal	835
briar::DetectionOptions	836
briar::DetectionOptionsDefaultTypeInternal	859
briar::DetectReply	861
briar::DetectReplyDefaultTypeInternal	876
briar::DetectRequest	877
briar::DetectRequestDefaultTypeInternal	893
briar::Empty	895
briar::EmptyDefaultTypeInternal	900
briar::EnhanceOptions	902
briar::EnhanceOptionsDefaultTypeInternal	915
briar::EnhanceReply	917
briar::EnhanceReplyDefaultTypeInternal	930
briar::EnhanceRequest	931
briar::EnhanceRequestDefaultTypeInternal	945
briar::EnrollCustomRequest	947
briar::EnrollCustomRequestDefaultTypeInternal	963
briar::EnrollmentInfo	965
briar::EnrollmentInfoDefaultTypeInternal	980
briar::EnrollOptions	982
briar::EnrollOptionsDefaultTypeInternal	1004
briar::EnrollReply	1006
briar::EnrollReplyDefaultTypeInternal	1024
briar::EnrollRequest	1026
briar::EnrollRequestDefaultTypeInternal	1051
briar::ExtractOptions	1052
briar::ExtractOptionsDefaultTypeInternal	1067
briar::ExtractReply	1069
briar::ExtractReplyDefaultTypeInternal	1085
briar::ExtractRequest	1087
briar::ExtractRequestDefaultTypeInternal	1100
briar::FloatOption	1102
briar::FloatOptionDefaultTypeInternal	1110
briar::FrameMetadata	1112
briar::FrameMetadataDefaultTypeInternal	1120
briar::IntOption	1122
briar::IntOptionDefaultTypeInternal	1130
is_proto_enum< ::briar::BiometricModality >	1132
is_proto_enum< ::briar::BriarDataType >	1132
is_proto_enum< ::briar::BriarError >	1133
is_proto_enum< ::briar::BriarMedia_DataType >	1134
is_proto_enum< ::briar::BriarServiceStatus >	1135
is_proto_enum< ::briar::EnrollFlags >	1136
is_proto_enum< ::briar::EntryType >	1137
is_proto_enum< ::briar::ExtractFlags >	1138
is_proto_enum< ::briar::FeatureVectorType >	1139
is_proto_enum< ::briar::SearchFlags >	1140
is_proto_enum< ::briar::VerifyFlags >	1141
is_proto_enum< ::briar::VerifyRequest_VerifyRole >	1142
briar::MediaMetadata	1143
briar::MediaMetadataDefaultTypeInternal	1153
briar::Record	1155
briar::Record_MediaPreviewsEntry_DoNotUse	1182
briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal	1185
briar::Record_SubjectPreviewsEntry_DoNotUse	1186
briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal	1189

briar::RecordDefaultTypeInternal	1190
briar::RecordList	1192
briar::RecordListDefaultTypeInternal	1200
briar::SearchDatabaseReply	1202
briar::SearchDatabaseReplyDefaultTypeInternal	1214
briar::SearchDatabaseRequest	1216
briar::SearchDatabaseRequestDefaultTypeInternal	1231
briar::SearchMatchInfo	1232
briar::SearchMatchInfoDefaultTypeInternal	1253
briar::SearchMatchList	1255
briar::SearchMatchListDefaultTypeInternal	1263
briar::SearchOptions	1265
briar::SearchOptionsDefaultTypeInternal	1288
briar::SearchReply	1290
briar::SearchReplyDefaultTypeInternal	1306
briar::SearchRequest	1308
briar::SearchRequestDefaultTypeInternal	1325
briar::StatusReply	1327
briar::StatusReplyDefaultTypeInternal	1342
briar::StatusRequest	1344
briar::StatusRequestDefaultTypeInternal	1349
briar::StringOption	1351
briar::StringOptionDefaultTypeInternal	1360
TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto	1361
TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto	1362
TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto	1362
briar::Template	1363
briar::TemplateData	1379
briar::TemplateDataDefaultTypeInternal	1394
briar::TemplateDefaultTypeInternal	1395
briar::TemplateIds	1397
briar::TemplateIdsDefaultTypeInternal	1407
briar::TemplateImageInput	1409
briar::TemplateImageInputDefaultTypeInternal	1419
briar::TemplateList	1420
briar::TemplateListDefaultTypeInternal	1429
briar::TemplateListGroup	1430
briar::TemplateListGroupDefaultTypeInternal	1439
briar::TrackingOptions	1440
briar::TrackingOptionsDefaultTypeInternal	1456
briar::Tracklet	1457
briar::TrackletDefaultTypeInternal	1470
briar::TrackReply	1472
briar::TrackReplyDefaultTypeInternal	1486
briar::TrackRequest	1488
briar::TrackRequestDefaultTypeInternal	1502
briar::VerifyDatabaseReply	1503
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse	1519
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal	1522
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse	1523
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal	1526
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse	1528
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal	1531
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse	1532
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal	1535
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse	1537
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal	1540
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse	1541

briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal	1544
briar::VerifyDatabaseReplyDefaultTypeInternal	1546
briar::VerifyDatabaseRequest	1547
briar::VerifyDatabaseRequestDefaultTypeInternal	1563
briar::VerifyMatchInfo	1564
briar::VerifyMatchInfoDefaultTypeInternal	1585
briar::VerifyMatchList	1587
briar::VerifyMatchListDefaultTypeInternal	1595
briar::VerifyOptions	1597
briar::VerifyOptionsDefaultTypeInternal	1612
briar::VerifyReply	1613
briar::VerifyReplyDefaultTypeInternal	1628
briar::VerifyRequest	1629
briar::VerifyRequestDefaultTypeInternal	1649

Chapter 5

File Index

5.1 File List

Here is a list of all files with brief descriptions:

/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar.pb.cc	1651
/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar.pb.h	1673
/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar_error.pb.cc	1689
/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar_error.pb.h	1691
/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar_service.pb.cc	1695
/home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/ briar_service.pb.h	1723

Chapter 6

Namespace Documentation

6.1 briar Namespace Reference

Classes

- class [APIVersion](#)
- struct [APIVersionDefaultTypeInternal](#)
- class [Attribute](#)
- struct [AttributeDefaultTypeInternal](#)
- class [BoolOption](#)
- struct [BoolOptionDefaultTypeInternal](#)
- class [BriarDatabase](#)
- struct [BriarDatabaseDefaultTypeInternal](#)
- class [BriarDatabaseInfo](#)
- struct [BriarDatabaseInfoDefaultTypeInternal](#)
- class [BriarDuration](#)
- struct [BriarDurationDefaultTypeInternal](#)
- class [BriarDurations](#)
- class [BriarDurations_SubDurationsEntry_DoNotUse](#)
- struct [BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal](#)
- struct [BriarDurationsDefaultTypeInternal](#)
- class [BriarDurationsList](#)
- struct [BriarDurationsListDefaultTypeInternal](#)
- class [BriarErrorMessage](#)
- struct [BriarErrorMessageDefaultTypeInternal](#)
- class [BriarErrors](#)
- struct [BriarErrorsDefaultTypeInternal](#)
- class [BriarMatrix](#)
- struct [BriarMatrixDefaultTypeInternal](#)
- class [BriarMedia](#)
- struct [BriarMediaDefaultTypeInternal](#)
- class [BriarPoint2D](#)
- struct [BriarPoint2DDefaultTypeInternal](#)
- class [BriarProgress](#)
- struct [BriarProgressDefaultTypeInternal](#)
- class [BriarRect](#)
- struct [BriarRectDefaultTypeInternal](#)
- class [BriarServiceConfigurationReply](#)

- struct [BriarServiceConfigurationReplyDefaultTypeInternal](#)
- class [BriarServiceConfigurationRequest](#)
- struct [BriarServiceConfigurationRequestDefaultTypeInternal](#)
- class [BriarVector](#)
- struct [BriarVectorDefaultTypeInternal](#)
- class [ClusterConfidence](#)
- struct [ClusterConfidenceDefaultTypeInternal](#)
- class [ClusterIds](#)
- struct [ClusterIdsDefaultTypeInternal](#)
- class [ClusterReply](#)
- struct [ClusterReplyDefaultTypeInternal](#)
- class [ClusterRequest](#)
- struct [ClusterRequestDefaultTypeInternal](#)
- class [DatabaseCheckpointReply](#)
- struct [DatabaseCheckpointReplyDefaultTypeInternal](#)
- class [DatabaseCheckpointRequest](#)
- struct [DatabaseCheckpointRequestDefaultTypeInternal](#)
- class [DatabaseCheckpointSubjectRequest](#)
- struct [DatabaseCheckpointSubjectRequestDefaultTypeInternal](#)
- class [DatabaseCreateReply](#)
- struct [DatabaseCreateReplyDefaultTypeInternal](#)
- class [DatabaseCreateRequest](#)
- struct [DatabaseCreateRequestDefaultTypeInternal](#)
- class [DatabaseDeleteReply](#)
- struct [DatabaseDeleteReplyDefaultTypeInternal](#)
- class [DatabaseDeleteRequest](#)
- struct [DatabaseDeleteRequestDefaultTypeInternal](#)
- class [DatabaseFinalizeReply](#)
- struct [DatabaseFinalizeReplyDefaultTypeInternal](#)
- class [DatabaseFinalizeRequest](#)
- struct [DatabaseFinalizeRequestDefaultTypeInternal](#)
- class [DatabaseHasEntryReply](#)
- struct [DatabaseHasEntryReplyDefaultTypeInternal](#)
- class [DatabaseHasEntryRequest](#)
- struct [DatabaseHasEntryRequestDefaultTypeInternal](#)
- class [DatabaseInfoReply](#)
- struct [DatabaseInfoReplyDefaultTypeInternal](#)
- class [DatabaseInfoRequest](#)
- struct [DatabaseInfoRequestDefaultTypeInternal](#)
- class [DatabaseInsertReply](#)
- struct [DatabaseInsertReplyDefaultTypeInternal](#)
- class [DatabaseInsertRequest](#)
- struct [DatabaseInsertRequestDefaultTypeInternal](#)
- class [DatabaseListentriesReply](#)
- struct [DatabaseListentriesReplyDefaultTypeInternal](#)
- class [DatabaseListEntriesRequest](#)
- struct [DatabaseListEntriesRequestDefaultTypeInternal](#)
- class [DatabaseListReply](#)
- struct [DatabaseListReplyDefaultTypeInternal](#)
- class [DatabaseListRequest](#)
- struct [DatabaseListRequestDefaultTypeInternal](#)
- class [DatabaseLoadReply](#)
- struct [DatabaseLoadReplyDefaultTypeInternal](#)
- class [DatabaseLoadRequest](#)
- struct [DatabaseLoadRequestDefaultTypeInternal](#)

- class [DatabaseMergeReply](#)
- struct [DatabaseMergeReplyDefaultTypeInternal](#)
- class [DatabaseMergeRequest](#)
- struct [DatabaseMergeRequestDefaultTypeInternal](#)
- class [DatabaseMoveEntryReply](#)
- struct [DatabaseMoveEntryReplyDefaultTypeInternal](#)
- class [DatabaseMoveEntryRequest](#)
- struct [DatabaseMoveEntryRequestDefaultTypeInternal](#)
- class [DatabaseRemoveTmplsReply](#)
- struct [DatabaseRemoveTmplsReplyDefaultTypeInternal](#)
- class [DatabaseRemoveTmplsRequest](#)
- struct [DatabaseRemoveTmplsRequestDefaultTypeInternal](#)
- class [DatabaseRenameReply](#)
- struct [DatabaseRenameReplyDefaultTypeInternal](#)
- class [DatabaseRenameRequest](#)
- struct [DatabaseRenameRequestDefaultTypeInternal](#)
- class [DatabaseRetrieveReply](#)
- struct [DatabaseRetrieveReplyDefaultTypeInternal](#)
- class [DatabaseRetrieveRequest](#)
- struct [DatabaseRetrieveRequestDefaultTypeInternal](#)
- class [Detection](#)
- struct [DetectionDefaultTypeInternal](#)
- class [DetectionOptions](#)
- struct [DetectionOptionsDefaultTypeInternal](#)
- class [DetectReply](#)
- struct [DetectReplyDefaultTypeInternal](#)
- class [DetectRequest](#)
- struct [DetectRequestDefaultTypeInternal](#)
- class [Empty](#)
- struct [EmptyDefaultTypeInternal](#)
- class [EnhanceOptions](#)
- struct [EnhanceOptionsDefaultTypeInternal](#)
- class [EnhanceReply](#)
- struct [EnhanceReplyDefaultTypeInternal](#)
- class [EnhanceRequest](#)
- struct [EnhanceRequestDefaultTypeInternal](#)
- class [EnrollCustomRequest](#)
- struct [EnrollCustomRequestDefaultTypeInternal](#)
- class [EnrollmentInfo](#)
- struct [EnrollmentInfoDefaultTypeInternal](#)
- class [EnrollOptions](#)
- struct [EnrollOptionsDefaultTypeInternal](#)
- class [EnrollReply](#)
- struct [EnrollReplyDefaultTypeInternal](#)
- class [EnrollRequest](#)
- struct [EnrollRequestDefaultTypeInternal](#)
- class [ExtractOptions](#)
- struct [ExtractOptionsDefaultTypeInternal](#)
- class [ExtractReply](#)
- struct [ExtractReplyDefaultTypeInternal](#)
- class [ExtractRequest](#)
- struct [ExtractRequestDefaultTypeInternal](#)
- class [FloatOption](#)
- struct [FloatOptionDefaultTypeInternal](#)
- class [FrameMetadata](#)

- struct [FrameMetadataDefaultTypeInternal](#)
- class [IntOption](#)
- struct [IntOptionDefaultTypeInternal](#)
- class [MediaMetadata](#)
- struct [MediaMetadataDefaultTypeInternal](#)
- class [Record](#)
- class [Record_MediaPreviewsEntry_DoNotUse](#)
- struct [Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal](#)
- class [Record_SubjectPreviewsEntry_DoNotUse](#)
- struct [Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal](#)
- struct [RecordDefaultTypeInternal](#)
- class [RecordList](#)
- struct [RecordListDefaultTypeInternal](#)
- class [SearchDatabaseReply](#)
- struct [SearchDatabaseReplyDefaultTypeInternal](#)
- class [SearchDatabaseRequest](#)
- struct [SearchDatabaseRequestDefaultTypeInternal](#)
- class [SearchMatchInfo](#)
- struct [SearchMatchInfoDefaultTypeInternal](#)
- class [SearchMatchList](#)
- struct [SearchMatchListDefaultTypeInternal](#)
- class [SearchOptions](#)
- struct [SearchOptionsDefaultTypeInternal](#)
- class [SearchReply](#)
- struct [SearchReplyDefaultTypeInternal](#)
- class [SearchRequest](#)
- struct [SearchRequestDefaultTypeInternal](#)
- class [StatusReply](#)
- struct [StatusReplyDefaultTypeInternal](#)
- class [StatusRequest](#)
- struct [StatusRequestDefaultTypeInternal](#)
- class [StringOption](#)
- struct [StringOptionDefaultTypeInternal](#)
- class [Template](#)
- class [TemplateData](#)
- struct [TemplateDataDefaultTypeInternal](#)
- struct [TemplateDefaultTypeInternal](#)
- class [TemplateIds](#)
- struct [TemplateIdsDefaultTypeInternal](#)
- class [TemplateImageInput](#)
- struct [TemplateImageInputDefaultTypeInternal](#)
- class [TemplateList](#)
- struct [TemplateListDefaultTypeInternal](#)
- class [TemplateListGroup](#)
- struct [TemplateListGroupDefaultTypeInternal](#)
- class [TrackingOptions](#)
- struct [TrackingOptionsDefaultTypeInternal](#)
- class [Tracklet](#)
- struct [TrackletDefaultTypeInternal](#)
- class [TrackReply](#)
- struct [TrackReplyDefaultTypeInternal](#)
- class [TrackRequest](#)
- struct [TrackRequestDefaultTypeInternal](#)
- class [VerifyDatabaseReply](#)
- class [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#)

- struct VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal
- class VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse
- struct VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal
- class VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse
- struct VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal
- class VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse
- struct VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal
- class VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse
- struct VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal
- class VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse
- struct VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal
- struct VerifyDatabaseReplyDefaultTypeInternal
- class VerifyDatabaseRequest
- struct VerifyDatabaseRequestDefaultTypeInternal
- class VerifyMatchInfo
- struct VerifyMatchInfoDefaultTypeInternal
- class VerifyMatchList
- struct VerifyMatchListDefaultTypeInternal
- class VerifyOptions
- struct VerifyOptionsDefaultTypeInternal
- class VerifyReply
- struct VerifyReplyDefaultTypeInternal
- class VerifyRequest
- struct VerifyRequestDefaultTypeInternal

Enumerations

- enum BiometricModality : int {
 UNSPECIFIED = 0 , WHOLE_BODY = 1 , FACE = 2 , GAIT = 3 ,
 BODY = 4 , ANTHROPOMETRY = 5 , HEAD = 6 , BEHAVIOR = 7 ,
 SOFT_BIOMETRICS = 8 , FINGERPRINT = 9 , IRIS = 10 , VOICE = 11 ,
 HAND = 12 , EAR = 13 , PALM = 14 , OTHER = 15 ,
 BiometricModality_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() , BiometricModality_INT_MAX =
 std::numeric_limits<int32_t>::max() }
- enum BriarDataType : int {
 EMPTY = 0 , STRING = 1 , INT = 2 , FLOAT = 3 ,
 BYTES = 4 , VECTOR = 5 , PICKLE = 6 , XML = 7 ,
 JSON = 8 , MATRIX = 9 , MEDIA = 11 , POINT = 12 ,
 RECT = 13 , BUFFER = 14 , BriarDataType_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric←
 _limits<int32_t>::min() , BriarDataType_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric←
 limits<int32_t>::max() }
- enum BriarError : int {
 BRIAR_SUCCESS = 0 , BRIAR_UNKNOWN_ERROR = 1 , BRIAR_INTERNAL_ERROR = 2 ,
 BRIAR_OUT_OF_MEMORY = 3 ,
 BRIAR_INVALID_SDK_PATH = 4 , BRIAR_BAD_SDK_CONFIG = 5 , BRIAR_BAD_LICENSE = 6 ,
 BRIAR_MISSING_DATA = 7 ,
 BRIAR_INVALID_GPU = 8 , BRIAR_BAD_ARGUMENT = 9 , BRIAR_OPEN_ERROR = 10 , BRIAR_READ_ERROR =
 11 ,
 BRIAR_WRITE_ERROR = 12 , BRIAR_PARSE_ERROR = 13 , BRIAR_INVALID_MEDIA = 14 ,
 BRIAR_OUT_OF_BOUNDS_ACCESS = 15 ,
 BRIAR_MEDIA_AT_END = 16 , BRIAR_INVALID_ATTRIBUTE_KEY = 17 , BRIAR_MISSING_ATTRIBUTE =
 18 , BRIAR_DUPLICATE_ID = 19 ,
 BRIAR_MISSING_ID = 20 , BRIAR_MISSING_FILE_NAME = 21 , BRIAR_INCORRECT_ROLE = 22 ,
 BRIAR_FAILURE_TO_SERIALIZE = 23 ,
 BRIAR_FAILURE_TO_DESERIALIZE = 24 , BRIAR_BATCH_ABORTED_EARLY = 25 , BRIAR_BATCH_FINISHED_WITH_ER

```

= 26 , BRIAR_CALLBACK_EXIT_IMMEDIATELY = 27 ,
BRIAR_NOT_IMPLEMENTED = 28 , BRIAR_NUM_ERRORS = 29 , BriarError_INT_MIN_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::min() , BriarError_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

• enum BriarMedia_DataType : int {
    BriarMedia_DataType_RGB8 = 0 , BriarMedia_DataType_MONO8 = 1 , BriarMedia_DataType_RGBA8 = 2 ,
    BriarMedia_DataType_RGBA16 = 3 ,
    BriarMedia_DataType_RGB16 = 4 , BriarMedia_DataType_MONO16 = 5 , BriarMedia_DataType_FLOAT32
= 6 , BriarMedia_DataType_URL = 7 ,
    BriarMedia_DataType_PNG = 8 , BriarMedia_DataType_JPG = 9 , BriarMedia_DataType_RAW = 10 ,
    BriarMedia_DataType_EPS = 11 ,
    BriarMedia_DataType_TIF = 12 , BriarMedia_DataType_GIF = 13 , BriarMedia_DataType_MP4 = 14 ,
    BriarMedia_DataType_MJPG = 15 ,
    BriarMedia_DataType_H264 = 16 , BriarMedia_DataType_H265 = 17 , BriarMedia_DataType_GENERIC_IMAGE
= 18 , BriarMedia_DataType_GENERIC_VIDEO = 19 ,
    BriarMedia_DataType_SOURCE_ONLY = 20 , BriarMedia_DataType_BriarMedia_DataType_INT_MIN_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::min() , BriarMedia_DataType_BriarMedia_DataType_INT_MAX_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::max() }

• enum BriarServiceStatus : int {
    UNKNOWN = 0 , READY = 1 , ERROR = 2 , BUSY = 3 ,
    BriarServiceStatus_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
    BriarServiceStatus_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

• enum EnrollFlags : int {
    ENROLL_FULL_IMAGE = 0 , ENROLL_AUTO_DETECTION = 1 , ENROLL_PROVIDED_DETECTION = 2 ,
    ENROLL_PROVIDED_TEMPLATE = 3 ,
    EnrollFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() , EnrollFlags_INT_MAX_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::max() }

• enum EntryType : int {
    ENTRY_TYPE_UNKNOWN = 0 , ENTRY_TYPE SUBJECT = 1 , ENTRY_TYPE_MEDIA = 2 ,
    EntryType_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
    EntryType_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

• enum ExtractFlags : int {
    EXTRACT_FULL_IMAGE = 0 , EXTRACT_AUTO_DETECTION = 1 , EXTRACT_PROVIDED_DETECTION
= 2 , ExtractFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
    ExtractFlags_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

• enum FeatureVectorType : int {
    BriarInt8 = 0 , BriarInt16 = 1 , BriarInt32 = 2 , BriarInt64 = 3 ,
    BriarUInt8 = 4 , BriarUInt16 = 5 , BriarUInt32 = 6 , BriarUInt64 = 7 ,
    BriarFloat = 8 , BriarDouble = 9 , FeatureVectorType_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
    FeatureVectorType_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

• enum SearchFlags : int {
    SEARCH_FULL_IMAGE = 0 , SEARCH_AUTO_DETECTION = 1 , SEARCH_PROVIDED_DETECTIONS
= 2 , SEARCH_PROVIDED_TEMPLATES = 3 ,
    SearchFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() , SearchFlags_INT_MAX_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::max() }

• enum VerifyFlags : int {
    VERIFY_FULL_IMAGE = 0 , VERIFY_AUTO_DETECTION = 1 , VERIFY_PROVIDED_DETECTIONS = 2 ,
    VERIFY_PROVIDED_TEMPLATES = 3 ,
    VerifyFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() , VerifyFlags_INT_MAX_SENTINEL_DO_NOT_USE_
= std::numeric_limits<int32_t>::max() }

• enum VerifyRequest_VerifyRole : int { VerifyRequest_VerifyRole_reference = 0 , VerifyRequest_VerifyRole_verify
= 1 , VerifyRequest_VerifyRole_VerifyRequest_VerifyRole_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
    VerifyRequest_VerifyRole_VerifyRequest_VerifyRole_VERIFY_PROVIDED_DETECTIONS = std::numeric_limits<int32_t>::max() }

```

Functions

- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `BiometricModality_descriptor` ()
- bool `BiometricModality_IsValid` (int value)
- template<typename T >
 const std::string & `BiometricModality_Name` (T enum_t_value)
- bool `BiometricModality_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `BiometricModality` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `BriarDataType_descriptor` ()
- bool `BriarDataType_IsValid` (int value)
- template<typename T >
 const std::string & `BriarDataType_Name` (T enum_t_value)
- bool `BriarDataType_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `BriarDataType` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `BriarError_descriptor` ()
- bool `BriarError_IsValid` (int value)
- template<typename T >
 const std::string & `BriarError_Name` (T enum_t_value)
- bool `BriarError_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `BriarError` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `BriarMedia_DataType_descriptor` ()
- bool `BriarMedia_DataType_IsValid` (int value)
- template<typename T >
 const std::string & `BriarMedia_DataType_Name` (T enum_t_value)
- bool `BriarMedia_DataType_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `BriarMedia_DataType` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `BriarServiceStatus_descriptor` ()
- bool `BriarServiceStatus_IsValid` (int value)
- template<typename T >
 const std::string & `BriarServiceStatus_Name` (T enum_t_value)
- bool `BriarServiceStatus_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `BriarServiceStatus` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `EnrollFlags_descriptor` ()
- bool `EnrollFlags_IsValid` (int value)
- template<typename T >
 const std::string & `EnrollFlags_Name` (T enum_t_value)
- bool `EnrollFlags_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `EnrollFlags` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `EntryType_descriptor` ()
- bool `EntryType_IsValid` (int value)
- template<typename T >
 const std::string & `EntryType_Name` (T enum_t_value)
- bool `EntryType_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `EntryType` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `ExtractFlags_descriptor` ()
- bool `ExtractFlags_IsValid` (int value)
- template<typename T >
 const std::string & `ExtractFlags_Name` (T enum_t_value)
- bool `ExtractFlags_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `ExtractFlags` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `FeatureVectorType_descriptor` ()
- bool `FeatureVectorType_IsValid` (int value)
- template<typename T >
 const std::string & `FeatureVectorType_Name` (T enum_t_value)
- bool `FeatureVectorType_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `FeatureVectorType` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `SearchFlags_descriptor` ()
- bool `SearchFlags_IsValid` (int value)
- template<typename T >
 const std::string & `SearchFlags_Name` (T enum_t_value)

- bool `SearchFlags_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `SearchFlags` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `VerifyFlags_descriptor` ()
- bool `VerifyFlags_IsValid` (int value)
- template<typename T >
const std::string & `VerifyFlags_Name` (T enum_t_value)
- bool `VerifyFlags_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `VerifyFlags` *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `VerifyRequest_VerifyRole_descriptor` ()
- bool `VerifyRequest_VerifyRole_IsValid` (int value)
- template<typename T >
const std::string & `VerifyRequest_VerifyRole_Name` (T enum_t_value)
- bool `VerifyRequest_VerifyRole_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `VerifyRequest_VerifyRole` *value)

Variables

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `APIVersionDefaultTypeInternal_APIVersion_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `AttributeDefaultTypeInternal_Attribute_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BoolOptionDefaultTypeInternal_BoolOption_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDatabaseDefaultTypeInternal_BriarDatabase_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDatabaseInfoDefaultTypeInternal_BriarDatabaseInfo_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDurationDefaultTypeInternal_BriarDuration_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDurationsDefaultTypeInternal_BriarDurations_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal_BriarDurations_SubDurationsEntry_DoNotUse`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarDurationsListDefaultTypeInternal_BriarDurationsList_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarErrorMessageDefaultTypeInternal_BriarErrorMessage_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarErrorsDefaultTypeInternal_BriarErrors_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarMatrixDefaultTypeInternal_BriarMatrix_default_instance`
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PRIORITY1 `BriarMediaDefaultTypeInternal_BriarMedia_default_instance`
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PRIORITY1 `BriarPoint2DDefaultTypeInternal_BriarPoint2D_default_instance`
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PRIORITY1 `BriarProgressDefaultTypeInternal_BriarProgress_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarRectDefaultTypeInternal_BriarRect_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarServiceConfigurationReplyDefaultTypeInternal_BriarServiceConfigurationReply_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarServiceConfigurationRequestDefaultTypeInternal_BriarServiceConfigurationRequest_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `BriarVectorDefaultTypeInternal_BriarVector_default_instance`
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 `ClusterConfidenceDefaultTypeInternal_ClusterConfidence_default_instance`

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ClusterIdsDefaultTypeInternal_ClusterIds_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ClusterReplyDefaultTypeInternal_ClusterReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ClusterRequestDefaultTypeInternal_ClusterRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseCheckpointReplyDefaultTypeInternal_DatabaseCheckpointReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseCheckpointRequestDefaultTypeInternal_DatabaseCheckpointRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseCheckpointSubjectRequestDefaultTypeInternal_DatabaseCheckpointSubjectRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseCreateReplyDefaultTypeInternal_DatabaseCreateReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseCreateRequestDefaultTypeInternal_DatabaseCreateRequest_default_instance](#)
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- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseDeleteRequestDefaultTypeInternal_DatabaseDeleteRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseFinalizeReplyDefaultTypeInternal_DatabaseFinalizeReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseFinalizeRequestDefaultTypeInternal_DatabaseFinalizeRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseHasEntryReplyDefaultTypeInternal_DatabaseHasEntryReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseHasEntryRequestDefaultTypeInternal_DatabaseHasEntryRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseInfoReplyDefaultTypeInternal_DatabaseInfoReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseInfoRequestDefaultTypeInternal_DatabaseInfoRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseInsertReplyDefaultTypeInternal_DatabaseInsertReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseInsertRequestDefaultTypeInternal_DatabaseInsertRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseListentriesReplyDefaultTypeInternal_DatabaseListentriesReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseListEntriesRequestDefaultTypeInternal_DatabaseListEntriesRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseListReplyDefaultTypeInternal_DatabaseListReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseListRequestDefaultTypeInternal_DatabaseListRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseLoadReplyDefaultTypeInternal_DatabaseLoadReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseLoadRequestDefaultTypeInternal_DatabaseLoadRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseMergeReplyDefaultTypeInternal_DatabaseMergeReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseMergeRequestDefaultTypeInternal_DatabaseMergeRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseMoveEntryReplyDefaultTypeInternal_DatabaseMoveEntryReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseMoveEntryRequestDefaultTypeInternal_DatabaseMoveEntryRequest_default_instance](#)

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRemoveTmplsReplyDefaultTypeInternal_DatabaseRemoveTmplsReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRemoveTmplsRequestDefaultTypeInternal_DatabaseRemoveTmplsRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRenameReplyDefaultTypeInternal_DatabaseRenameReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRenameRequestDefaultTypeInternal_DatabaseRenameRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRetrieveReplyDefaultTypeInternal_DatabaseRetrieveReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DatabaseRetrieveRequestDefaultTypeInternal_DatabaseRetrieveRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DetectionDefaultTypeInternal_Detection_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DetectionOptionsDefaultTypeInternal_DetectionOptions_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DetectReplyDefaultTypeInternal_DetectReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [DetectRequestDefaultTypeInternal_DetectRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EmptyDefaultTypeInternal_Empty_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnhanceOptionsDefaultTypeInternal_EnhanceOptions_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnhanceReplyDefaultTypeInternal_EnhanceReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnhanceRequestDefaultTypeInternal_EnhanceRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnrollCustomRequestDefaultTypeInternal_EnrollCustomRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnrollmentInfoDefaultTypeInternal_EnrollmentInfo_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnrollOptionsDefaultTypeInternal_EnrollOptions_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnrollReplyDefaultTypeInternal_EnrollReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [EnrollRequestDefaultTypeInternal_EnrollRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ExtractOptionsDefaultTypeInternal_ExtractOptions_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ExtractReplyDefaultTypeInternal_ExtractReply_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [ExtractRequestDefaultTypeInternal_ExtractRequest_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [FloatOptionDefaultTypeInternal_FloatOption_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [FrameMetadataDefaultTypeInternal_FrameMetadata_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [IntOptionDefaultTypeInternal_IntOption_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [MediaMetadataDefaultTypeInternal_MediaMetadata_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [RecordDefaultTypeInternal_Record_default_instance](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 [Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal_Record_MediaPreviewsEntry_DoNotUse_default_in](#)

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal_Record_SubjectPreviewsEntry_DoNotUse_default
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 RecordListDefaultTypeInternal_RecordList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchDatabaseReplyDefaultTypeInternal_SearchDatabaseReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchDatabaseRequestDefaultTypeInternal_SearchDatabaseRequest_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchMatchInfoDefaultTypeInternal_SearchMatchInfo_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchMatchListDefaultTypeInternal_SearchMatchList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchOptionsDefaultTypeInternal_SearchOptions_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchReplyDefaultTypeInternal_SearchReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchRequestDefaultTypeInternal_SearchRequest_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 StatusReplyDefaultTypeInternal_StatusReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 StatusRequestDefaultTypeInternal_StatusRequest_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 StringOptionDefaultTypeInternal_StringOption_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateDefaultTypeInternal_Template_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateDataDefaultTypeInternal_TemplateData_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateIdsDefaultTypeInternal_Templatelds_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateImageInputDefaultTypeInternal_TemplateImageInput_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateListDefaultTypeInternal_TemplateList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateListGroupDefaultTypeInternal_TemplateListGroup_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TrackingOptionsDefaultTypeInternal_TrackingOptions_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TrackletDefaultTypeInternal_Tracklet_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TrackReplyDefaultTypeInternal_TrackReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TrackRequestDefaultTypeInternal_TrackRequest_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReplyDefaultTypeInternal_VerifyDatabaseReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_MatrixG
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_Matrix
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_MatrixG
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_MatrixP
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_MatrixP

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal_VerifyDatabaseReply_MatrixPro
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyDatabaseRequestDefaultTypeInternal_VerifyDatabaseRequest_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyMatchInfoDefaultTypeInternal_VerifyMatchInfo_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyMatchListDefaultTypeInternal_VerifyMatchList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyOptionsDefaultTypeInternal_VerifyOptions_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyReplyDefaultTypeInternal_VerifyReply_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyRequestDefaultTypeInternal_VerifyRequest_default_instance_
- constexpr int BiometricModality_ARRAYSIZE = BiometricModality_MAX + 1
- constexpr BiometricModality BiometricModality_MAX = OTHER
- constexpr BiometricModality BiometricModality_MIN = UNSPECIFIED
- constexpr int BriarDataType_ARRAYSIZE = BriarDataType_MAX + 1
- constexpr BriarDataType BriarDataType_MAX = BUFFER
- constexpr BriarDataType BriarDataType_MIN = EMPTY
- constexpr int BriarError_ARRAYSIZE = BriarError_MAX + 1
- constexpr BriarError BriarError_MAX = BRIAR_NUM_ERRORS
- constexpr BriarError BriarError_MIN = BRIAR_SUCCESS
- constexpr int BriarMedia_DataType_DataType_ARRAYSIZE = BriarMedia_DataType_DataType_MAX + 1
- constexpr BriarMedia_DataType BriarMedia_DataType_DataType_MAX = BriarMedia_DataType_SOURCE_ONLY
- constexpr BriarMedia_DataType BriarMedia_DataType_DataType_MIN = BriarMedia_DataType_RGB8
- constexpr int BriarServiceStatus_ARRAYSIZE = BriarServiceStatus_MAX + 1
- constexpr BriarServiceStatus BriarServiceStatus_MAX = BUSY
- constexpr BriarServiceStatus BriarServiceStatus_MIN = UNKNOWN
- constexpr int EnrollFlags_ARRAYSIZE = EnrollFlags_MAX + 1
- constexpr EnrollFlags EnrollFlags_MAX = ENROLL_PROVIDED_TEMPLATE
- constexpr EnrollFlags EnrollFlags_MIN = ENROLL_FULL_IMAGE
- constexpr int EntryType_ARRAYSIZE = EntryType_MAX + 1
- constexpr EntryType EntryType_MAX = ENTRY_TYPE_MEDIA
- constexpr EntryType EntryType_MIN = ENTRY_TYPE_UNKNOWN
- constexpr int ExtractFlags_ARRAYSIZE = ExtractFlags_MAX + 1
- constexpr ExtractFlags ExtractFlags_MAX = EXTRACT_PROVIDED_DETECTION
- constexpr ExtractFlags ExtractFlags_MIN = EXTRACT_FULL_IMAGE
- constexpr int FeatureVectorType_ARRAYSIZE = FeatureVectorType_MAX + 1
- constexpr FeatureVectorType FeatureVectorType_MAX = BriarDouble
- constexpr FeatureVectorType FeatureVectorType_MIN = BriarInt8
- constexpr int SearchFlags_ARRAYSIZE = SearchFlags_MAX + 1
- constexpr SearchFlags SearchFlags_MAX = SEARCH_PROVIDED_TEMPLATES
- constexpr SearchFlags SearchFlags_MIN = SEARCH_FULL_IMAGE
- constexpr int VerifyFlags_ARRAYSIZE = VerifyFlags_MAX + 1
- constexpr VerifyFlags VerifyFlags_MAX = VERIFY_PROVIDED_TEMPLATES
- constexpr VerifyFlags VerifyFlags_MIN = VERIFY_FULL_IMAGE
- constexpr int VerifyRequest_VerifyRole_VerifyRole_ARRAYSIZE = VerifyRequest_VerifyRole_VerifyRole_MAX + 1
- constexpr VerifyRequest_VerifyRole VerifyRequest_VerifyRole_VerifyRole_MAX = VerifyRequest_VerifyRole_verify
- constexpr VerifyRequest_VerifyRole VerifyRequest_VerifyRole_VerifyRole_MIN = VerifyRequest_VerifyRole_reference

6.1.1 Enumeration Type Documentation

6.1.1.1 BiometricModality

```
enum briar::BiometricModality : int
```

Enumerator

UNSPECIFIED	
WHOLE_BODY	
FACE	
GAIT	
BODY	
ANTHROPOMETRY	
HEAD	
BEHAVIOR	
SOFT_BIOMETRICS	
FINGERPRINT	
IRIS	
VOICE	
HAND	
EAR	
PALM	
OTHER	
BiometricModality_INT_MIN_SENTINEL_DO_NOT_USE_	
BiometricModality_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.2 BriarDataType

```
enum briar::BriarDataType : int
```

Enumerator

EMPTY	
STRING	
INT	
FLOAT	
BYTES	
VECTOR	
PICKLE	
XML	
JSON	
MATRIX	
MEDIA	
POINT	
RECT	
BUFFER	
BriarDataType_INT_MIN_SENTINEL_DO_NOT_USE_	
BriarDataType_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.3 BriarError

```
enum briar::BriarError : int
```

Enumerator

BRIAR_SUCCESS
BRIAR_UNKNOWN_ERROR
BRIAR_INTERNAL_ERROR
BRIAR_OUT_OF_MEMORY
BRIAR_INVALID_SDK_PATH
BRIAR_BAD_SDK_CONFIG
BRIAR_BAD_LICENSE
BRIAR_MISSING_DATA
BRIAR_INVALID_GPU
BRIAR_BAD_ARGUMENT
BRIAR_OPEN_ERROR
BRIAR_READ_ERROR
BRIAR_WRITE_ERROR
BRIAR_PARSE_ERROR
BRIAR_INVALID_MEDIA
BRIAR_OUT_OF_BOUNDS_ACCESS
BRIAR_MEDIA_AT_END
BRIAR_INVALID_ATTRIBUTE_KEY
BRIAR_MISSING_ATTRIBUTE
BRIAR_DUPLICATE_ID
BRIAR_MISSING_ID
BRIAR_MISSING_FILE_NAME
BRIAR_INCORRECT_ROLE
BRIAR_FAILURE_TO_SERIALIZE
BRIAR_FAILURE_TO_DESERIALIZE
BRIAR_BATCH_ABORTED_EARLY
BRIAR_BATCH_FINISHED_WITH_ERRORS
BRIAR_CALLBACK_EXIT_IMMEDIATELY
BRIAR_NOT_IMPLEMENTED
BRIAR_NUM_ERRORS
BriarError_INT_MIN_SENTINEL_DO_NOT_USE_
BriarError_INT_MAX_SENTINEL_DO_NOT_USE_

6.1.1.4 BriarMedia_DataType

```
enum briar::BriarMedia_DataType : int
```

Enumerator

BriarMedia_DataType_RGB8
BriarMedia_DataType_MONO8
BriarMedia_DataType_RGBA8
BriarMedia_DataType_RGBA16
BriarMedia_DataType_RGB16
BriarMedia_DataType_MONO16
BriarMedia_DataType_FLOAT32
BriarMedia_DataType_URL
BriarMedia_DataType_PNG
BriarMedia_DataType_JPG
BriarMedia_DataType_RAW
BriarMedia_DataType_EPS
BriarMedia_DataType_TIF
BriarMedia_DataType_GIF
BriarMedia_DataType_MP4
BriarMedia_DataType_MJPG
BriarMedia_DataType_H264
BriarMedia_DataType_H265
BriarMedia_DataType_GENERIC_IMAGE
BriarMedia_DataType_GENERIC_VIDEO
BriarMedia_DataType_SOURCE_ONLY
BriarMedia_DataType_BriarMedia_DataType_INT_MIN_SENTINEL_DO_NOT_USE_
BriarMedia_DataType_BriarMedia_DataType_INT_MAX_SENTINEL_DO_NOT_USE_

6.1.1.5 BriarServiceStatus

```
enum briar::BriarServiceStatus : int
```

Enumerator

UNKNOWN
READY
ERROR
BUSY
BriarServiceStatus_INT_MIN_SENTINEL_DO_NOT_USE_
BriarServiceStatus_INT_MAX_SENTINEL_DO_NOT_USE_

6.1.1.6 EnrollFlags

```
enum briar::EnrollFlags : int
```

Enumerator

ENROLL_FULL_IMAGE	
ENROLL_AUTO_DETECTION	
ENROLL_PROVIDED_DETECTION	
ENROLL_PROVIDED_TEMPLATE	
EnrollFlags_INT_MIN_SENTINEL_DO_NOT_USE_	
EnrollFlags_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.7 EntryType

```
enum briar::EntryType : int
```

Enumerator

ENTRY_TYPE_UNKNOWN	
ENTRY_TYPE_SUBJECT	
ENTRY_TYPE_MEDIA	
EntryType_INT_MIN_SENTINEL_DO_NOT_USE_	
EntryType_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.8 ExtractFlags

```
enum briar::ExtractFlags : int
```

Enumerator

EXTRACT_FULL_IMAGE	
EXTRACT_AUTO_DETECTION	
EXTRACT_PROVIDED_DETECTION	
ExtractFlags_INT_MIN_SENTINEL_DO_NOT_USE_	
ExtractFlags_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.9 FeatureVectorType

```
enum briar::FeatureVectorType : int
```

Enumerator

BriarInt8	
BriarInt16	
BriarInt32	
BriarInt64	
BriarUInt8	
BriarUInt16	
BriarUInt32	
BriarUInt64	
BriarFloat	
BriarDouble	
FeatureVectorType_INT_MIN_SENTINEL_DO_NOT_USE_	
FeatureVectorType_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.10 SearchFlags

```
enum briar::SearchFlags : int
```

Enumerator

SEARCH_FULL_IMAGE	
SEARCH_AUTO_DETECTION	
SEARCH_PROVIDED_DETECTIONS	
SEARCH_PROVIDED_TEMPLATES	
SearchFlags_INT_MIN_SENTINEL_DO_NOT_USE_	
SearchFlags_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.11 VerifyFlags

```
enum briar::VerifyFlags : int
```

Enumerator

VERIFY_FULL_IMAGE	
VERIFY_AUTO_DETECTION	
VERIFY_PROVIDED_DETECTIONS	

Enumerator

VERIFY_PROVIDED_TEMPLATES	
VerifyFlags_INT_MIN_SENTINEL_DO_NOT_USE_	
VerifyFlags_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.1.12 VerifyRequest_VerifyRole

```
enum briar::VerifyRequest_VerifyRole : int
```

Enumerator

VerifyRequest_VerifyRole_reference	
VerifyRequest_VerifyRole_verify	
VerifyRequest_VerifyRole_VerifyRequest_VerifyRole_INT_MIN_SENTINEL_DO_NOT_USE_	
VerifyRequest_VerifyRole_VerifyRequest_VerifyRole_INT_MAX_SENTINEL_DO_NOT_USE_	

6.1.2 Function Documentation**6.1.2.1 BiometricModality_descriptor()**

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BiometricModality_descriptor( )
```

6.1.2.2 BiometricModality_IsValid()

```
bool briar::BiometricModality_IsValid(
    int value )
```

6.1.2.3 BiometricModality_Name()

```
template<typename T >
const std::string& briar::BiometricModality_Name(
    T enum_t_value ) [inline]
```

6.1.2.4 BiometricModality_Parse()

```
bool briar::BiometricModality_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    BiometricModality * value ) [inline]
```

6.1.2.5 BriarDataType_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarDataType_descriptor ()
```

6.1.2.6 BriarDataType_IsValid()

```
bool briar::BriarDataType_IsValid (
    int value )
```

6.1.2.7 BriarDataType_Name()

```
template<typename T >
const std::string& briar::BriarDataType_Name (
    T enum_t_value ) [inline]
```

6.1.2.8 BriarDataType_Parse()

```
bool briar::BriarDataType_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    BriarDataType * value ) [inline]
```

6.1.2.9 BriarError_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarError_descriptor ()
```

6.1.2.10 BriarError_IsValid()

```
bool briar::BriarError_IsValid (
    int value )
```

6.1.2.11 BriarError_Name()

```
template<typename T >
const std::string& briar::BriarError_Name (
    T enum_t_value ) [inline]
```

6.1.2.12 BriarError_Parse()

```
bool briar::BriarError_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    BriarError * value ) [inline]
```

6.1.2.13 BriarMedia_DataType_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarMedia_DataType_descriptor ( )
```

6.1.2.14 BriarMedia_DataType_IsValid()

```
bool briar::BriarMedia_DataType_IsValid (
    int value )
```

6.1.2.15 BriarMedia_DataType_Name()

```
template<typename T >
const std::string& briar::BriarMedia_DataType_Name (
    T enum_t_value ) [inline]
```

6.1.2.16 BriarMedia_DataType_Parse()

```
bool briar::BriarMedia_DataType_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    BriarMedia_DataType * value ) [inline]
```

6.1.2.17 BriarServiceStatus_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarServiceStatus_descriptor ( )
```

6.1.2.18 BriarServiceStatus_IsValid()

```
bool briar::BriarServiceStatus_IsValid ( int value )
```

6.1.2.19 BriarServiceStatus_Name()

```
template<typename T >
const std::string& briar::BriarServiceStatus_Name ( T enum_t_value ) [inline]
```

6.1.2.20 BriarServiceStatus_Parse()

```
bool briar::BriarServiceStatus_Parse ( ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
                                      BriarServiceStatus * value ) [inline]
```

6.1.2.21 EnrollFlags_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EnrollFlags_descriptor ( )
```

6.1.2.22 EnrollFlags_IsValid()

```
bool briar::EnrollFlags_IsValid ( int value )
```

6.1.2.23 EnrollFlags_Name()

```
template<typename T >
const std::string& briar::EnrollFlags_Name ( T enum_t_value ) [inline]
```

6.1.2.24 EnrollFlags_Parse()

```
bool briar::EnrollFlags_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    EnrollFlags * value ) [inline]
```

6.1.2.25 EntryType_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EntryType_descriptor ()
```

6.1.2.26 EntryType_IsValid()

```
bool briar::EntryType_IsValid (
    int value )
```

6.1.2.27 EntryType_Name()

```
template<typename T >
const std::string& briar::EntryType_Name (
    T enum_t_value ) [inline]
```

6.1.2.28 EntryType_Parse()

```
bool briar::EntryType_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    EntryType * value ) [inline]
```

6.1.2.29 ExtractFlags_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::ExtractFlags_descriptor ()
```

6.1.2.30 ExtractFlags_IsValid()

```
bool briar::ExtractFlags_IsValid (
    int value )
```

6.1.2.31 ExtractFlags_Name()

```
template<typename T >
const std::string& briar::ExtractFlags_Name (
    T enum_t_value ) [inline]
```

6.1.2.32 ExtractFlags_Parse()

```
bool briar::ExtractFlags_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    ExtractFlags * value ) [inline]
```

6.1.2.33 FeatureVectorType_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::FeatureVectorType_descriptor ( )
```

6.1.2.34 FeatureVectorType_IsValid()

```
bool briar::FeatureVectorType_IsValid (
    int value )
```

6.1.2.35 FeatureVectorType_Name()

```
template<typename T >
const std::string& briar::FeatureVectorType_Name (
    T enum_t_value ) [inline]
```

6.1.2.36 FeatureVectorType_Parse()

```
bool briar::FeatureVectorType_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    FeatureVectorType * value ) [inline]
```

6.1.2.37 SearchFlags_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::SearchFlags_descriptor ( )
```

6.1.2.38 SearchFlags_IsValid()

```
bool briar::SearchFlags_IsValid ( int value )
```

6.1.2.39 SearchFlags_Name()

```
template<typename T >
const std::string& briar::SearchFlags_Name ( T enum_t_value ) [inline]
```

6.1.2.40 SearchFlags_Parse()

```
bool briar::SearchFlags_Parse ( ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
                               SearchFlags * value ) [inline]
```

6.1.2.41 VerifyFlags_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::VerifyFlags_descriptor ( )
```

6.1.2.42 VerifyFlags_IsValid()

```
bool briar::VerifyFlags_IsValid ( int value )
```

6.1.2.43 VerifyFlags_Name()

```
template<typename T >
const std::string& briar::VerifyFlags_Name ( T enum_t_value ) [inline]
```

6.1.2.44 VerifyFlags_Parse()

```
bool briar::VerifyFlags_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    VerifyFlags * value ) [inline]
```

6.1.2.45 VerifyRequest_VerifyRole_descriptor()

```
const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::VerifyRequest_VerifyRole_descriptor ()
```

6.1.2.46 VerifyRequest_VerifyRole_IsValid()

```
bool briar::VerifyRequest_VerifyRole_IsValid (
    int value )
```

6.1.2.47 VerifyRequest_VerifyRole_Name()

```
template<typename T >
const std::string& briar::VerifyRequest_VerifyRole_Name (
    T enum_t_value ) [inline]
```

6.1.2.48 VerifyRequest_VerifyRole_Parse()

```
bool briar::VerifyRequest_VerifyRole_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    VerifyRequest_VerifyRole * value ) [inline]
```

6.1.3 Variable Documentation

6.1.3.1 _APIVersion_default_instance_

```
APIVersionDefaultTypeInternal briar::_APIVersion_default_instance_
```

6.1.3.2 **_Attribute_default_instance_**

```
AttributeDefaultTypeInternal briar::_Attribute_default_instance_
```

6.1.3.3 **_BoolOption_default_instance_**

```
BoolOptionDefaultTypeInternal briar::_BoolOption_default_instance_
```

6.1.3.4 **_BriarDatabase_default_instance_**

```
BriarDatabaseDefaultTypeInternal briar::_BriarDatabase_default_instance_
```

6.1.3.5 **_BriarDatabaseInfo_default_instance_**

```
BriarDatabaseInfoDefaultTypeInternal briar::_BriarDatabaseInfo_default_instance_
```

6.1.3.6 **_BriarDuration_default_instance_**

```
BriarDurationDefaultTypeInternal briar::_BriarDuration_default_instance_
```

6.1.3.7 **_BriarDurations_default_instance_**

```
BriarDurationsDefaultTypeInternal briar::_BriarDurations_default_instance_
```

6.1.3.8 **_BriarDurations_SubDurationsEntry_DoNotUse_default_instance_**

```
BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal briar::_BriarDurations_Sub←
DurationsEntry_DoNotUse_default_instance_
```

6.1.3.9 BriarDurationsList_default_instance_

```
BriarDurationsListDefaultTypeInternal briar::_BriarDurationsList_default_instance_
```

6.1.3.10 BriarErrorMessage_default_instance_

```
BriarErrorMessageDefaultTypeInternal briar::_BriarErrorMessage_default_instance_
```

6.1.3.11 BriarErrors_default_instance_

```
BriarErrorsDefaultTypeInternal briar::_BriarErrors_default_instance_
```

6.1.3.12 BriarMatrix_default_instance_

```
BriarMatrixDefaultTypeInternal briar::_BriarMatrix_default_instance_
```

6.1.3.13 BriarMedia_default_instance_

```
BriarMediaDefaultTypeInternal briar::_BriarMedia_default_instance_
```

6.1.3.14 BriarPoint2D_default_instance_

```
BriarPoint2DDefaultTypeInternal briar::_BriarPoint2D_default_instance_
```

6.1.3.15 BriarProgress_default_instance_

```
BriarProgressDefaultTypeInternal briar::_BriarProgress_default_instance_
```

6.1.3.16 BriarRect_default_instance_

```
BriarRectDefaultTypeInternal briar::_BriarRect_default_instance_
```

6.1.3.17 BriarServiceConfigurationReply_default_instance_

```
BriarServiceConfigurationReplyDefaultTypeInternal briar:::_BriarServiceConfigurationReply_←  
default_instance_
```

6.1.3.18 BriarServiceConfigurationRequest_default_instance_

```
BriarServiceConfigurationRequestDefaultTypeInternal briar:::_BriarServiceConfigurationRequest_←  
default_instance_
```

6.1.3.19 BriarVector_default_instance_

```
BriarVectorDefaultTypeInternal briar:::_BriarVector_default_instance_
```

6.1.3.20 ClusterConfidence_default_instance_

```
ClusterConfidenceDefaultTypeInternal briar:::_ClusterConfidence_default_instance_
```

6.1.3.21 ClusterIds_default_instance_

```
ClusterIdsDefaultTypeInternal briar:::_ClusterIds_default_instance_
```

6.1.3.22 ClusterReply_default_instance_

```
ClusterReplyDefaultTypeInternal briar:::_ClusterReply_default_instance_
```

6.1.3.23 ClusterRequest_default_instance_

```
ClusterRequestDefaultTypeInternal briar:::_ClusterRequest_default_instance_
```

6.1.3.24 DatabaseCheckpointReply_default_instance_

```
DatabaseCheckpointReplyDefaultTypeInternal briar::DatabaseCheckpointReply_default_instance_
```

6.1.3.25 DatabaseCheckpointRequest_default_instance_

```
DatabaseCheckpointRequestDefaultTypeInternal briar::DatabaseCheckpointRequest_default_instance_
```

6.1.3.26 DatabaseCheckpointSubjectRequest_default_instance_

```
DatabaseCheckpointSubjectRequestDefaultTypeInternal briar::DatabaseCheckpointSubjectRequest_default_instance_
```

6.1.3.27 DatabaseCreateReply_default_instance_

```
DatabaseCreateReplyDefaultTypeInternal briar::DatabaseCreateReply_default_instance_
```

6.1.3.28 DatabaseCreateRequest_default_instance_

```
DatabaseCreateRequestDefaultTypeInternal briar::DatabaseCreateRequest_default_instance_
```

6.1.3.29 DatabaseDeleteReply_default_instance_

```
DatabaseDeleteReplyDefaultTypeInternal briar::DatabaseDeleteReply_default_instance_
```

6.1.3.30 DatabaseDeleteRequest_default_instance_

```
DatabaseDeleteRequestDefaultTypeInternal briar::DatabaseDeleteRequest_default_instance_
```

6.1.3.31 **DatabaseFinalizeReply_default_instance_**

```
DatabaseFinalizeReplyDefaultTypeInternal briar::DatabaseFinalizeReply_default_instance_
```

6.1.3.32 **DatabaseFinalizeRequest_default_instance_**

```
DatabaseFinalizeRequestDefaultTypeInternal briar::DatabaseFinalizeRequest_default_instance_
```

6.1.3.33 **DatabaseHasEntryReply_default_instance_**

```
DatabaseHasEntryReplyDefaultTypeInternal briar::DatabaseHasEntryReply_default_instance_
```

6.1.3.34 **DatabaseHasEntryRequest_default_instance_**

```
DatabaseHasEntryRequestDefaultTypeInternal briar::DatabaseHasEntryRequest_default_instance_
```

6.1.3.35 **DatabaseInfoReply_default_instance_**

```
DatabaseInfoReplyDefaultTypeInternal briar::DatabaseInfoReply_default_instance_
```

6.1.3.36 **DatabaseInfoRequest_default_instance_**

```
DatabaseInfoRequestDefaultTypeInternal briar::DatabaseInfoRequest_default_instance_
```

6.1.3.37 **DatabaseInsertReply_default_instance_**

```
DatabaseInsertReplyDefaultTypeInternal briar::DatabaseInsertReply_default_instance_
```

6.1.3.38 **DatabaseInsertRequest_default_instance_**

```
DatabaseInsertRequestDefaultTypeInternal briar::DatabaseInsertRequest_default_instance_
```

6.1.3.39 DatabaseListentriesReply_default_instance_

```
DatabaseListentriesReplyDefaultTypeInternal briar::DatabaseListentriesReply_default_instance↔  
—
```

6.1.3.40 DatabaseListEntriesRequest_default_instance_

```
DatabaseListEntriesRequestDefaultTypeInternal briar::DatabaseListEntriesRequest_default_instance_↔  
instance_
```

6.1.3.41 DatabaseListReply_default_instance_

```
DatabaseListReplyDefaultTypeInternal briar::DatabaseListReply_default_instance_
```

6.1.3.42 DatabaseListRequest_default_instance_

```
DatabaseListRequestDefaultTypeInternal briar::DatabaseListRequest_default_instance_
```

6.1.3.43 DatabaseLoadReply_default_instance_

```
DatabaseLoadReplyDefaultTypeInternal briar::DatabaseLoadReply_default_instance_
```

6.1.3.44 DatabaseLoadRequest_default_instance_

```
DatabaseLoadRequestDefaultTypeInternal briar::DatabaseLoadRequest_default_instance_
```

6.1.3.45 DatabaseMergeReply_default_instance_

```
DatabaseMergeReplyDefaultTypeInternal briar::DatabaseMergeReply_default_instance_
```

6.1.3.46 **_DatabaseMergeRequest_default_instance_**

```
DatabaseMergeRequestDefaultTypeInternal briar::_DatabaseMergeRequest_default_instance_
```

6.1.3.47 **_DatabaseMoveEntryReply_default_instance_**

```
DatabaseMoveEntryReplyDefaultTypeInternal briar::_DatabaseMoveEntryReply_default_instance_
```

6.1.3.48 **_DatabaseMoveEntryRequest_default_instance_**

```
DatabaseMoveEntryRequestDefaultTypeInternal briar::_DatabaseMoveEntryRequest_default_instance_
```

6.1.3.49 **_DatabaseRemoveTmplsReply_default_instance_**

```
DatabaseRemoveTmplsReplyDefaultTypeInternal briar::_DatabaseRemoveTmplsReply_default_instance_
```

6.1.3.50 **_DatabaseRemoveTmplsRequest_default_instance_**

```
DatabaseRemoveTmplsRequestDefaultTypeInternal briar::_DatabaseRemoveTmplsRequest_default_instance_
```

6.1.3.51 **_DatabaseRenameReply_default_instance_**

```
DatabaseRenameReplyDefaultTypeInternal briar::_DatabaseRenameReply_default_instance_
```

6.1.3.52 **_DatabaseRenameRequest_default_instance_**

```
DatabaseRenameRequestDefaultTypeInternal briar::_DatabaseRenameRequest_default_instance_
```

6.1.3.53 DatabaseRetrieveReply_default_instance_

```
DatabaseRetrieveReplyDefaultTypeInternal briar::DatabaseRetrieveReply_default_instance_
```

6.1.3.54 DatabaseRetrieveRequest_default_instance_

```
DatabaseRetrieveRequestDefaultTypeInternal briar::DatabaseRetrieveRequest_default_instance_
```

6.1.3.55 Detection_default_instance_

```
DetectionDefaultTypeInternal briar::Detection_default_instance_
```

6.1.3.56 DetectionOptions_default_instance_

```
DetectionOptionsDefaultTypeInternal briar::DetectionOptions_default_instance_
```

6.1.3.57 DetectReply_default_instance_

```
DetectReplyDefaultTypeInternal briar::DetectReply_default_instance_
```

6.1.3.58 DetectRequest_default_instance_

```
DetectRequestDefaultTypeInternal briar::DetectRequest_default_instance_
```

6.1.3.59 Empty_default_instance_

```
EmptyDefaultTypeInternal briar::Empty_default_instance_
```

6.1.3.60 EnhanceOptions_default_instance_

```
EnhanceOptionsDefaultTypeInternal briar::EnhanceOptions_default_instance_
```

6.1.3.61 `_EnhanceReply_default_instance_`

```
EnhanceReplyDefaultTypeInternal briar::_EnhanceReply_default_instance_
```

6.1.3.62 `_EnhanceRequest_default_instance_`

```
EnhanceRequestDefaultTypeInternal briar::_EnhanceRequest_default_instance_
```

6.1.3.63 `_EnrollCustomRequest_default_instance_`

```
EnrollCustomRequestDefaultTypeInternal briar::_EnrollCustomRequest_default_instance_
```

6.1.3.64 `_EnrollmentInfo_default_instance_`

```
EnrollmentInfoDefaultTypeInternal briar::_EnrollmentInfo_default_instance_
```

6.1.3.65 `_EnrollOptions_default_instance_`

```
EnrollOptionsDefaultTypeInternal briar::_EnrollOptions_default_instance_
```

6.1.3.66 `_EnrollReply_default_instance_`

```
EnrollReplyDefaultTypeInternal briar::_EnrollReply_default_instance_
```

6.1.3.67 `_EnrollRequest_default_instance_`

```
EnrollRequestDefaultTypeInternal briar::_EnrollRequest_default_instance_
```

6.1.3.68 `_ExtractOptions_default_instance_`

```
ExtractOptionsDefaultTypeInternal briar::_ExtractOptions_default_instance_
```

6.1.3.69 _ExtractReply_default_instance_

```
ExtractReplyDefaultTypeInternal briar::_ExtractReply_default_instance_
```

6.1.3.70 _ExtractRequest_default_instance_

```
ExtractRequestDefaultTypeInternal briar::_ExtractRequest_default_instance_
```

6.1.3.71 _FloatOption_default_instance_

```
FloatOptionDefaultTypeInternal briar::_FloatOption_default_instance_
```

6.1.3.72 _FrameMetadata_default_instance_

```
FrameMetadataDefaultTypeInternal briar::_FrameMetadata_default_instance_
```

6.1.3.73 _IntOption_default_instance_

```
IntOptionDefaultTypeInternal briar::_IntOption_default_instance_
```

6.1.3.74 _MediaMetadata_default_instance_

```
MediaMetadataDefaultTypeInternal briar::_MediaMetadata_default_instance_
```

6.1.3.75 _Record_default_instance_

```
RecordDefaultTypeInternal briar::_Record_default_instance_
```

6.1.3.76 _Record_MediaPreviewsEntry_DoNotUse_default_instance_

```
Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal briar::_Record_MediaPreviewsEntry_Do←  
NotUse_default_instance_
```

6.1.3.77 **Record_SubjectPreviewsEntry_DoNotUse_default_instance_**

```
Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal briar::Record_SubjectPreviewsEntry_<→  
DoNotUse_default_instance_
```

6.1.3.78 **RecordList_default_instance_**

```
RecordListDefaultTypeInternal briar::RecordList_default_instance_
```

6.1.3.79 **SearchDatabaseReply_default_instance_**

```
SearchDatabaseReplyDefaultTypeInternal briar::SearchDatabaseReply_default_instance_
```

6.1.3.80 **SearchDatabaseRequest_default_instance_**

```
SearchDatabaseRequestDefaultTypeInternal briar::SearchDatabaseRequest_default_instance_
```

6.1.3.81 **SearchMatchInfo_default_instance_**

```
SearchMatchInfoDefaultTypeInternal briar::SearchMatchInfo_default_instance_
```

6.1.3.82 **SearchMatchList_default_instance_**

```
SearchMatchListDefaultTypeInternal briar::SearchMatchList_default_instance_
```

6.1.3.83 **SearchOptions_default_instance_**

```
SearchOptionsDefaultTypeInternal briar::SearchOptions_default_instance_
```

6.1.3.84 SearchReply_default_instance_

```
SearchReplyDefaultTypeInternal briar::_SearchReply_default_instance_
```

6.1.3.85 SearchRequest_default_instance_

```
SearchRequestDefaultTypeInternal briar::_SearchRequest_default_instance_
```

6.1.3.86 StatusReply_default_instance_

```
StatusReplyDefaultTypeInternal briar::_StatusReply_default_instance_
```

6.1.3.87 StatusRequest_default_instance_

```
StatusRequestDefaultTypeInternal briar::_StatusRequest_default_instance_
```

6.1.3.88 StringOption_default_instance_

```
StringOptionDefaultTypeInternal briar::_StringOption_default_instance_
```

6.1.3.89 Template_default_instance_

```
TemplateDefaultTypeInternal briar::_Template_default_instance_
```

6.1.3.90 TemplateData_default_instance_

```
TemplateDataDefaultTypeInternal briar::_TemplateData_default_instance_
```

6.1.3.91 TemplateIds_default_instance_

```
TemplateIdsDefaultTypeInternal briar::_TemplateIds_default_instance_
```

6.1.3.92 `_TemplateImageInput_default_instance_`

```
TemplateImageInputDefaultTypeInternal briar::_TemplateImageInput_default_instance_
```

6.1.3.93 `_TemplateList_default_instance_`

```
TemplateListDefaultTypeInternal briar::_TemplateList_default_instance_
```

6.1.3.94 `_TemplateListGroup_default_instance_`

```
TemplateListGroupDefaultTypeInternal briar::_TemplateListGroup_default_instance_
```

6.1.3.95 `_TrackingOptions_default_instance_`

```
TrackingOptionsDefaultTypeInternal briar::_TrackingOptions_default_instance_
```

6.1.3.96 `_Tracklet_default_instance_`

```
TrackletDefaultTypeInternal briar::_Tracklet_default_instance_
```

6.1.3.97 `_TrackReply_default_instance_`

```
TrackReplyDefaultTypeInternal briar::_TrackReply_default_instance_
```

6.1.3.98 `_TrackRequest_default_instance_`

```
TrackRequestDefaultTypeInternal briar::_TrackRequest_default_instance_
```

6.1.3.99 `_VerifyDatabaseReply_default_instance_`

```
VerifyDatabaseReplyDefaultTypeInternal briar::_VerifyDatabaseReply_default_instance_
```

6.1.3.100 _VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixGalleryAttributesEntry_DoNotUse_default_instance_
```

6.1.3.101 _VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse_default_instance_
```

6.1.3.102 _VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse_default_instance_
```

6.1.3.103 _VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixProbeAttributesEntry_DoNotUse_default_instance_
```

6.1.3.104 _VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixProbeDetectionsEntry_DoNotUse_default_instance_
```

6.1.3.105 _VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse_default_instance_

```
VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal briar:::_Verify<-
DatabaseReply_MatrixProbeTrackletsEntry_DoNotUse_default_instance_
```

6.1.3.106 _VerifyDatabaseRequest_default_instance_

```
VerifyDatabaseRequestDefaultTypeInternal briar:::_VerifyDatabaseRequest_default_instance_
```

6.1.3.107 `_VerifyMatchInfo_default_instance_`

```
VerifyMatchInfoDefaultTypeInternal briar::_VerifyMatchInfo_default_instance_
```

6.1.3.108 `_VerifyMatchList_default_instance_`

```
VerifyMatchListDefaultTypeInternal briar::_VerifyMatchList_default_instance_
```

6.1.3.109 `_VerifyOptions_default_instance_`

```
VerifyOptionsDefaultTypeInternal briar::_VerifyOptions_default_instance_
```

6.1.3.110 `_VerifyReply_default_instance_`

```
VerifyReplyDefaultTypeInternal briar::_VerifyReply_default_instance_
```

6.1.3.111 `_VerifyRequest_default_instance_`

```
VerifyRequestDefaultTypeInternal briar::_VerifyRequest_default_instance_
```

6.1.3.112 `BiometricModality_ARRAYSIZE`

```
constexpr int briar::BiometricModality_ARRAYSIZE = BiometricModality_MAX + 1 [constexpr]
```

6.1.3.113 `BiometricModality_MAX`

```
constexpr BiometricModality briar::BiometricModality_MAX = OTHER [constexpr]
```

6.1.3.114 `BiometricModality_MIN`

```
constexpr BiometricModality briar::BiometricModality_MIN = UNSPECIFIED [constexpr]
```

6.1.3.115 BriarDataType_ARRAYSIZE

```
constexpr int briar::BriarDataType_ARRAYSIZE = BriarDataType_MAX + 1 [constexpr]
```

6.1.3.116 BriarDataType_MAX

```
constexpr BriarDataType briar::BriarDataType_MAX = BUFFER [constexpr]
```

6.1.3.117 BriarDataType_MIN

```
constexpr BriarDataType briar::BriarDataType_MIN = EMPTY [constexpr]
```

6.1.3.118 BriarError_ARRAYSIZE

```
constexpr int briar::BriarError_ARRAYSIZE = BriarError_MAX + 1 [constexpr]
```

6.1.3.119 BriarError_MAX

```
constexpr BriarError briar::BriarError_MAX = BRIAR_NUM_ERRORS [constexpr]
```

6.1.3.120 BriarError_MIN

```
constexpr BriarError briar::BriarError_MIN = BRIAR_SUCCESS [constexpr]
```

6.1.3.121 BriarMedia_DataType_DataType_ARRAYSIZE

```
constexpr int briar::BriarMedia_DataType_DataType_ARRAYSIZE = BriarMedia_DataType_DataType_MAX  
+ 1 [constexpr]
```

6.1.3.122 BriarMedia_DataType_DataType_MAX

```
constexpr BriarMedia_DataType briar::BriarMedia_DataType_DataType_MAX = BriarMedia_DataType_SOURCE_ONLY  
[constexpr]
```

6.1.3.123 BriarMedia_DataType_DataType_MIN

```
constexpr BriarMedia_DataType briar::BriarMedia_DataType_DataType_MIN = BriarMedia_DataType_RGB8  
[constexpr]
```

6.1.3.124 BriarServiceStatus_ARRAYSIZE

```
constexpr int briar::BriarServiceStatus_ARRAYSIZE = BriarServiceStatus_MAX + 1 [constexpr]
```

6.1.3.125 BriarServiceStatus_MAX

```
constexpr BriarServiceStatus briar::BriarServiceStatus_MAX = BUSY [constexpr]
```

6.1.3.126 BriarServiceStatus_MIN

```
constexpr BriarServiceStatus briar::BriarServiceStatus_MIN = UNKNOWN [constexpr]
```

6.1.3.127 EnrollFlags_ARRAYSIZE

```
constexpr int briar::EnrollFlags_ARRAYSIZE = EnrollFlags_MAX + 1 [constexpr]
```

6.1.3.128 EnrollFlags_MAX

```
constexpr EnrollFlags briar::EnrollFlags_MAX = ENROLL_PROVIDED_TEMPLATE [constexpr]
```

6.1.3.129 EnrollFlags_MIN

```
constexpr EnrollFlags briar::EnrollFlags_MIN = ENROLL_FULL_IMAGE [constexpr]
```

6.1.3.130 EntryType_ARRAYSIZE

```
constexpr int briar::EntryType_ARRAYSIZE = EntryType_MAX + 1 [constexpr]
```

6.1.3.131 EntryType_MAX

```
constexpr EntryType briar::EntryType_MAX = ENTRY_TYPE_MEDIA [constexpr]
```

6.1.3.132 EntryType_MIN

```
constexpr EntryType briar::EntryType_MIN = ENTRY_TYPE_UNKNOWN [constexpr]
```

6.1.3.133 ExtractFlags_ARRAYSIZE

```
constexpr int briar::ExtractFlags_ARRAYSIZE = ExtractFlags_MAX + 1 [constexpr]
```

6.1.3.134 ExtractFlags_MAX

```
constexpr ExtractFlags briar::ExtractFlags_MAX = EXTRACT_PROVIDED_DETECTION [constexpr]
```

6.1.3.135 ExtractFlags_MIN

```
constexpr ExtractFlags briar::ExtractFlags_MIN = EXTRACT_FULL_IMAGE [constexpr]
```

6.1.3.136 FeatureVectorType_ARRAYSIZE

```
constexpr int briar::FeatureVectorType_ARRAYSIZE = FeatureVectorType_MAX + 1 [constexpr]
```

6.1.3.137 FeatureVectorType_MAX

```
constexpr FeatureVectorType briar::FeatureVectorType_MAX = BriarDouble [constexpr]
```

6.1.3.138 FeatureVectorType_MIN

```
constexpr FeatureVectorType briar::FeatureVectorType_MIN = BriarInt8 [constexpr]
```

6.1.3.139 SearchFlags_ARRAYSIZE

```
constexpr int briar::SearchFlags_ARRAYSIZE = SearchFlags_MAX + 1 [constexpr]
```

6.1.3.140 SearchFlags_MAX

```
constexpr SearchFlags briar::SearchFlags_MAX = SEARCH_PROVIDED_TEMPLATES [constexpr]
```

6.1.3.141 SearchFlags_MIN

```
constexpr SearchFlags briar::SearchFlags_MIN = SEARCH_FULL_IMAGE [constexpr]
```

6.1.3.142 VerifyFlags_ARRAYSIZE

```
constexpr int briar::VerifyFlags_ARRAYSIZE = VerifyFlags_MAX + 1 [constexpr]
```

6.1.3.143 VerifyFlags_MAX

```
constexpr VerifyFlags briar::VerifyFlags_MAX = VERIFY_PROVIDED_TEMPLATES [constexpr]
```

6.1.3.144 VerifyFlags_MIN

```
constexpr VerifyFlags briar::VerifyFlags_MIN = VERIFY_FULL_IMAGE [constexpr]
```

6.1.3.145 VerifyRequest_VerifyRole_VerifyRole_ARRAYSIZE

```
constexpr int briar::VerifyRequest_VerifyRole_VerifyRole_ARRAYSIZE = VerifyRequest_VerifyRole_VerifyRole_MAX  
+ 1 [constexpr]
```

6.1.3.146 VerifyRequest_VerifyRole_VerifyRole_MAX

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest_VerifyRole_VerifyRole_MAX = VerifyRequest_VerifyRole_VerifyRole_min  
[constexpr]
```

6.1.3.147 VerifyRequest_VerifyRole_VerifyRole_MIN

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest_VerifyRole_VerifyRole_MIN = VerifyRequest_VerifyRole_VerifyRole_max  
[constexpr]
```

6.2 internal Namespace Reference

Chapter 7

Class Documentation

7.1 briar::APIVersion::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.2 briar::Attribute::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarMatrix](#) & matrix (const [Attribute](#) *msg)
- static const ::[briar::BriarMedia](#) & media (const [Attribute](#) *msg)
- static const ::[briar::BriarPoint2D](#) & point (const [Attribute](#) *msg)
- static const ::[briar::BriarRect](#) & rect (const [Attribute](#) *msg)
- static const ::[briar::BriarVector](#) & vector (const [Attribute](#) *msg)

7.2.1 Member Function Documentation

7.2.1.1 matrix()

```
const ::briar::BriarMatrix & briar::Attribute::_Internal::matrix (
    const Attribute * msg ) [static]
```

7.2.1.2 media()

```
const ::briar::BriarMedia & briar::Attribute::_Internal::media (
    const Attribute * msg ) [static]
```

7.2.1.3 point()

```
const ::briar::BriarPoint2D & briar::Attribute::_Internal::point (
    const Attribute * msg ) [static]
```

7.2.1.4 rect()

```
const ::briar::BriarRect & briar::Attribute::_Internal::rect (
    const Attribute * msg ) [static]
```

7.2.1.5 vector()

```
const ::briar::BriarVector & briar::Attribute::_Internal::vector (
    const Attribute * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.3 briar::BoolOption::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.4 briar::BriarDatabase::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.5 briar::BriarDatabaseInfo::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.6 briar::BriarDuration::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.7 briar::BriarDurations::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDuration & client_duration_file_level (const BriarDurations *msg)
- static const ::briar::BriarDuration & client_duration_frame_level (const BriarDurations *msg)
- static const ::briar::BriarDuration & grpc_inbound_transfer_duration (const BriarDurations *msg)
- static const ::briar::BriarDuration & grpc_outbound_transfer_duration (const BriarDurations *msg)
- static const ::briar::BriarDuration & service_duration (const BriarDurations *msg)
- static const ::briar::BriarDuration & total_duration (const BriarDurations *msg)

7.7.1 Member Function Documentation

7.7.1.1 client_duration_file_level()

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::client_duration_file_level (
    const BriarDurations * msg )  [static]
```

7.7.1.2 client_duration_frame_level()

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::client_duration_frame_level (
    const BriarDurations * msg )  [static]
```

7.7.1.3 grpc_inbound_transfer_duration()

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::grpc_inbound_transfer_duration (
    const BriarDurations * msg )  [static]
```

7.7.1.4 `grpc_outbound_transfer_duration()`

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::grpc_outbound_transfer_<-
duration (
    const BriarDurations * msg ) [static]
```

7.7.1.5 `service_duration()`

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::service_duration (
    const BriarDurations * msg ) [static]
```

7.7.1.6 `total_duration()`

```
const ::briar::BriarDuration & briar::BriarDurations::_Internal::total_duration (
    const BriarDurations * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.8 `briar::BriarDurationsList::_Internal` Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.9 `briar::BriarErrorMessage::_Internal` Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_error.pb.cc](#)

7.10 `briar::BriarErrors::_Internal` Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_error.pb.cc](#)

7.11 briar::BriarMatrix::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.12 briar::BriarMedia::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.13 briar::BriarPoint2D::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.14 briar::BriarProgress::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.15 briar::BriarRect::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.16 briar::BriarServiceConfigurationReply::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.17 briar::BriarServiceConfigurationRequest::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.18 briar::BriarVector::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.19 briar::ClusterConfidence::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.20 briar::ClusterIds::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.21 briar::ClusterReply::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarDurations](#) & durations (const [ClusterReply](#) *msg)
- static const ::[briar::BriarErrors](#) & errors (const [ClusterReply](#) *msg)
- static const ::[briar::BriarProgress](#) & progress (const [ClusterReply](#) *msg)

7.21.1 Member Function Documentation

7.21.1.1 durations()

```
const ::briar::BriarDurations & briar::ClusterReply::_Internal::durations (
```

```
    const ClusterReply * msg ) [static]
```

7.21.1.2 errors()

```
const ::briar::BriarErrors & briar::ClusterReply::_Internal::errors (
    const ClusterReply * msg ) [static]
```

7.21.1.3 progress()

```
const ::briar::BriarProgress & briar::ClusterReply::_Internal::progress (
    const ClusterReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.22 briar::ClusterRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const ClusterRequest *msg)
- static const ::briar::BriarDurations & durations (const ClusterRequest *msg)

7.22.1 Member Function Documentation

7.22.1.1 database()

```
const ::briar::BriarDatabase & briar::ClusterRequest::_Internal::database (
    const ClusterRequest * msg ) [static]
```

7.22.1.2 durations()

```
const ::briar::BriarDurations & briar::ClusterRequest::_Internal::durations (
    const ClusterRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.23 briar::DatabaseCheckpointReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseCheckpointReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseCheckpointReply *msg)

7.23.1 Member Function Documentation

7.23.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointReply::_Internal::durations (
    const DatabaseCheckpointReply * msg ) [static]
```

7.23.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointReply::_Internal::errors (
    const DatabaseCheckpointReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.24 briar::DatabaseCheckpointRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseCheckpointRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseCheckpointRequest *msg)
- static const ::briar::BriarErrors & errors (const DatabaseCheckpointRequest *msg)

7.24.1 Member Function Documentation

7.24.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseCheckpointRequest::_Internal::database (
    const DatabaseCheckpointRequest * msg ) [static]
```

7.24.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointRequest::_Internal::durations (
    const DatabaseCheckpointRequest * msg ) [static]
```

7.24.1.3 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointRequest::_Internal::errors (
    const DatabaseCheckpointRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.25 briar::DatabaseCheckpointSubjectRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseCheckpointSubjectRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseCheckpointSubjectRequest *msg)
- static const ::briar::BriarErrors & errors (const DatabaseCheckpointSubjectRequest *msg)

7.25.1 Member Function Documentation

7.25.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseCheckpointSubjectRequest::_Internal::database (
    const DatabaseCheckpointSubjectRequest * msg ) [static]
```

7.25.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointSubjectRequest::_Internal::durations (
    const DatabaseCheckpointSubjectRequest * msg ) [static]
```

7.25.1.3 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointSubjectRequest::_Internal::errors (
    const DatabaseCheckpointSubjectRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.26 briar::DatabaseCreateReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseCreateReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseCreateReply *msg)
- static const ::briar::TemplateIds & ids (const DatabaseCreateReply *msg)

7.26.1 Member Function Documentation

7.26.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseCreateReply::_Internal::durations (
    const DatabaseCreateReply * msg ) [static]
```

7.26.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseCreateReply::_Internal::errors (
    const DatabaseCreateReply * msg ) [static]
```

7.26.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseCreateReply::_Internal::ids (
    const DatabaseCreateReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.27 briar::DatabaseCreateRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseCreateRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseCreateRequest *msg)
- static const ::briar::TemplateList & tmpls (const DatabaseCreateRequest *msg)

7.27.1 Member Function Documentation

7.27.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseCreateRequest::_Internal::database (
    const DatabaseCreateRequest * msg ) [static]
```

7.27.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseCreateRequest::_Internal::durations (
    const DatabaseCreateRequest * msg ) [static]
```

7.27.1.3 tmpls()

```
const ::briar::TemplateList & briar::DatabaseCreateRequest::_Internal::tmpls (
    const DatabaseCreateRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.28 briar::DatabaseDeleteReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseDeleteReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseDeleteReply *msg)

7.28.1 Member Function Documentation

7.28.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseDeleteReply::_Internal::durations (
    const DatabaseDeleteReply * msg ) [static]
```

7.28.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseDeleteReply::_Internal::errors (
    const DatabaseDeleteReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.29 briar::DatabaseDeleteRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseDeleteRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseDeleteRequest *msg)

7.29.1 Member Function Documentation

7.29.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseDeleteRequest::_Internal::database (
    const DatabaseDeleteRequest * msg ) [static]
```

7.29.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseDeleteRequest::_Internal::durations (
    const DatabaseDeleteRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.30 briar::DatabaseFinalizeReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseFinalizeReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseFinalizeReply *msg)

7.30.1 Member Function Documentation

7.30.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseFinalizeReply::_Internal::durations (
    const DatabaseFinalizeReply * msg ) [static]
```

7.30.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseFinalizeReply::_Internal::errors (
    const DatabaseFinalizeReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.31 briar::DatabaseFinalizeRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseFinalizeRequest *msg)

7.31.1 Member Function Documentation

7.31.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseFinalizeRequest::_Internal::database (
    const DatabaseFinalizeRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.32 briar::DatabaseHasEntryReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarProgress & progress (const DatabaseHasEntryReply *msg)

7.32.1 Member Function Documentation

7.32.1.1 progress()

```
const ::briar::BriarProgress & briar::DatabaseHasEntryReply::_Internal::progress (
    const DatabaseHasEntryReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.33 briar::DatabaseHasEntryRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseHasEntryRequest *msg)

7.33.1 Member Function Documentation

7.33.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseHasEntryRequest::_Internal::database (
    const DatabaseHasEntryRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.34 briar::DatabaseInfoReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & duration (const DatabaseInfoReply *msg)
- static const ::briar::BriarDatabaseInfo & info (const DatabaseInfoReply *msg)

7.34.1 Member Function Documentation

7.34.1.1 duration()

```
const ::briar::BriarDurations & briar::DatabaseInfoReply::_Internal::duration (
    const DatabaseInfoReply * msg ) [static]
```

7.34.1.2 info()

```
const ::briar::BriarDatabaseInfo & briar::DatabaseInfoReply::_Internal::info (
    const DatabaseInfoReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.35 briar::DatabaseInfoRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseInfoRequest *msg)

7.35.1 Member Function Documentation

7.35.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseInfoRequest::_Internal::durations (
    const DatabaseInfoRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.36 briar::DatabaseInsertReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseInsertReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseInsertReply *msg)
- static const ::briar::TemplateIds & ids (const DatabaseInsertReply *msg)

7.36.1 Member Function Documentation

7.36.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseInsertReply::_Internal::durations (
    const DatabaseInsertReply * msg ) [static]
```

7.36.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseInsertReply::_Internal::errors (
    const DatabaseInsertReply * msg ) [static]
```

7.36.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseInsertReply::_Internal::ids (
    const DatabaseInsertReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.37 briar::DatabaseInsertRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseInsertRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseInsertRequest *msg)
- static const ::briar::TemplateIds & ids (const DatabaseInsertRequest *msg)
- static const ::briar::TemplateList & tmpls (const DatabaseInsertRequest *msg)

7.37.1 Member Function Documentation

7.37.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseInsertRequest::_Internal::database (
    const DatabaseInsertRequest * msg ) [static]
```

7.37.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseInsertRequest::_Internal::durations (
    const DatabaseInsertRequest * msg ) [static]
```

7.37.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseInsertRequest::_Internal::ids (
    const DatabaseInsertRequest * msg ) [static]
```

7.37.1.4 tmpls()

```
const ::briar::TemplateList & briar::DatabaseInsertRequest::_Internal::tmpls (
    const DatabaseInsertRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.38 briar::DatabaseListentriesReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseListentriesReply *msg)

7.38.1 Member Function Documentation

7.38.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseListentriesReply::_Internal::durations (
    const DatabaseListentriesReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.39 briar::DatabaseListEntriesRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseListEntriesRequest *msg)

7.39.1 Member Function Documentation

7.39.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseListEntriesRequest::_Internal::durations (
    const DatabaseListEntriesRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.40 briar::DatabaseListReply::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.41 briar::DatabaseListRequest::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.42 briar::DatabaseLoadReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseLoadReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseLoadReply *msg)
- static const ::briar::TemplateIds & ids (const DatabaseLoadReply *msg)
- static const ::briar::RecordList & records (const DatabaseLoadReply *msg)

7.42.1 Member Function Documentation

7.42.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseLoadReply::_Internal::durations (
    const DatabaseLoadReply * msg ) [static]
```

7.42.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseLoadReply::_Internal::errors (
    const DatabaseLoadReply * msg ) [static]
```

7.42.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseLoadReply::_Internal::ids (
    const DatabaseLoadReply * msg ) [static]
```

7.42.1.4 records()

```
const ::briar::RecordList & briar::DatabaseLoadReply::_Internal::records (
    const DatabaseLoadReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.43 briar::DatabaseLoadRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseLoadRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseLoadRequest *msg)

7.43.1 Member Function Documentation

7.43.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseLoadRequest::_Internal::database (
    const DatabaseLoadRequest * msg ) [static]
```

7.43.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseLoadRequest::_Internal::durations (
    const DatabaseLoadRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.44 briar::DatabaseMergeReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseMergeReply *msg)

7.44.1 Member Function Documentation

7.44.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseMergeReply::_Internal::durations (
    const DatabaseMergeReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.45 briar::DatabaseMergeRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseMergeRequest *msg)
- static const ::briar::BriarDatabase & output_database (const DatabaseMergeRequest *msg)

7.45.1 Member Function Documentation

7.45.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseMergeRequest::_Internal::durations (
    const DatabaseMergeRequest * msg ) [static]
```

7.45.1.2 output_database()

```
const ::briar::BriarDatabase & briar::DatabaseMergeRequest::_Internal::output_database (
    const DatabaseMergeRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.46 briar::DatabaseMoveEntryReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarProgress & progress (const DatabaseMoveEntryReply *msg)

7.46.1 Member Function Documentation

7.46.1.1 progress()

```
const ::briar::BriarProgress & briar::DatabaseMoveEntryReply::_Internal::progress (
    const DatabaseMoveEntryReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.47 briar::DatabaseMoveEntryRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & from_database (const DatabaseMoveEntryRequest *msg)
- static const ::briar::BriarDatabase & to_database (const DatabaseMoveEntryRequest *msg)

7.47.1 Member Function Documentation

7.47.1.1 from_database()

```
const ::briar::BriarDatabase & briar::DatabaseMoveEntryRequest::_Internal::from_database (
    const DatabaseMoveEntryRequest * msg ) [static]
```

7.47.1.2 to_database()

```
const ::briar::BriarDatabase & briar::DatabaseMoveEntryRequest::_Internal::to_database (
    const DatabaseMoveEntryRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.48 briar::DatabaseRemoveTmplsReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseRemoveTmplsReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseRemoveTmplsReply *msg)

7.48.1 Member Function Documentation

7.48.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseRemoveTmplsReply::_Internal::durations (
    const DatabaseRemoveTmplsReply * msg ) [static]
```

7.48.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseRemoveTmplsReply::_Internal::errors (
    const DatabaseRemoveTmplsReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.49 briar::DatabaseRemoveTmplsRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseRemoveTmplsRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseRemoveTmplsRequest *msg)
- static const ::briar::TemplateIds & ids (const DatabaseRemoveTmplsRequest *msg)

7.49.1 Member Function Documentation

7.49.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseRemoveTmplsRequest::_Internal::database (
    const DatabaseRemoveTmplsRequest * msg ) [static]
```

7.49.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseRemoveTmplsRequest::_Internal::durations (
    const DatabaseRemoveTmplsRequest * msg ) [static]
```

7.49.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseRemoveTmplsRequest::_Internal::ids (
    const DatabaseRemoveTmplsRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.50 briar::DatabaseRenameReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseRenameReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseRenameReply *msg)

7.50.1 Member Function Documentation

7.50.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseRenameReply::_Internal::durations (
    const DatabaseRenameReply * msg ) [static]
```

7.50.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseRenameReply::_Internal::errors (
    const DatabaseRenameReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.51 briar::DatabaseRenameRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseRenameRequest *msg)
- static const ::briar::BriarDatabase & database_new (const DatabaseRenameRequest *msg)

7.51.1 Member Function Documentation

7.51.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseRenameRequest::_Internal::database (
    const DatabaseRenameRequest * msg ) [static]
```

7.51.1.2 database_new()

```
const ::briar::BriarDatabase & briar::DatabaseRenameRequest::_Internal::database_new (
    const DatabaseRenameRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.52 briar::DatabaseRetrieveReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DatabaseRetrieveReply *msg)
- static const ::briar::BriarErrors & errors (const DatabaseRetrieveReply *msg)
- static const ::briar::TemplateList & records (const DatabaseRetrieveReply *msg)
- static const ::briar::TemplateList & templates (const DatabaseRetrieveReply *msg)

7.52.1 Member Function Documentation

7.52.1.1 durations()

```
const ::briar::BriarDurations & briar::DatabaseRetrieveReply::_Internal::durations (
    const DatabaseRetrieveReply * msg ) [static]
```

7.52.1.2 errors()

```
const ::briar::BriarErrors & briar::DatabaseRetrieveReply::_Internal::errors (
    const DatabaseRetrieveReply * msg ) [static]
```

7.52.1.3 records()

```
const ::briar::TemplateList & briar::DatabaseRetrieveReply::_Internal::records (
    const DatabaseRetrieveReply * msg ) [static]
```

7.52.1.4 templates()

```
const ::briar::TemplateList & briar::DatabaseRetrieveReply::_Internal::templates (
    const DatabaseRetrieveReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.53 briar::DatabaseRetrieveRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const DatabaseRetrieveRequest *msg)
- static const ::briar::BriarDurations & durations (const DatabaseRetrieveRequest *msg)
- static const ::briar::TemplateIds & ids (const DatabaseRetrieveRequest *msg)

7.53.1 Member Function Documentation

7.53.1.1 database()

```
const ::briar::BriarDatabase & briar::DatabaseRetrieveRequest::__Internal::database (
    const DatabaseRetrieveRequest * msg ) [static]
```

7.53.1.2 durations()

```
const ::briar::BriarDurations & briar::DatabaseRetrieveRequest::__Internal::durations (
    const DatabaseRetrieveRequest * msg ) [static]
```

7.53.1.3 ids()

```
const ::briar::TemplateIds & briar::DatabaseRetrieveRequest::__Internal::ids (
    const DatabaseRetrieveRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.54 briar::Detection::__Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarRect & [location](#) (const [Detection](#) *msg)
- static const ::briar::BriarMedia & [mask](#) (const [Detection](#) *msg)
- static const ::briar::BriarMedia & [media](#) (const [Detection](#) *msg)

7.54.1 Member Function Documentation

7.54.1.1 location()

```
const ::briar::BriarRect & briar::Detection::__Internal::location (
    const Detection * msg ) [static]
```

7.54.1.2 mask()

```
const ::briar::BriarMedia & briar::Detection::__Internal::mask (
    const Detection * msg ) [static]
```

7.54.1.3 media()

```
const ::briar::BriarMedia & briar::Detection::_Internal::media (
    const Detection * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.55 briar::DetectionOptions::_Internal Class Reference

Static Public Member Functions

- static const ::briar::StringOption & algorithm_id (const DetectionOptions *msg)
- static const ::briar::BoolOption & best (const DetectionOptions *msg)
- static const ::briar::IntOption & body_min_height (const DetectionOptions *msg)
- static const ::briar::FloatOption & body_threshold (const DetectionOptions *msg)
- static const ::briar::BoolOption & debug (const DetectionOptions *msg)
- static const ::briar::IntOption & detect_batch (const DetectionOptions *msg)
- static const ::briar::BoolOption & enable_metadata (const DetectionOptions *msg)
- static const ::briar::IntOption & face_min_height (const DetectionOptions *msg)
- static const ::briar::FloatOption & face_threshold (const DetectionOptions *msg)
- static const ::briar::BoolOption & return_media (const DetectionOptions *msg)
- static const ::briar::TrackingOptions & tracking_options (const DetectionOptions *msg)

7.55.1 Member Function Documentation

7.55.1.1 algorithm_id()

```
const ::briar::StringOption & briar::DetectionOptions::_Internal::algorithm_id (
    const DetectionOptions * msg ) [static]
```

7.55.1.2 best()

```
const ::briar::BoolOption & briar::DetectionOptions::_Internal::best (
    const DetectionOptions * msg ) [static]
```

7.55.1.3 body_min_height()

```
const ::briar::IntOption & briar::DetectionOptions::_Internal::body_min_height (
    const DetectionOptions * msg ) [static]
```

7.55.1.4 body_threshold()

```
const ::briar::FloatOption & briar::DetectionOptions::_Internal::body_threshold (
    const DetectionOptions * msg ) [static]
```

7.55.1.5 debug()

```
const ::briar::BoolOption & briar::DetectionOptions::_Internal::debug (
    const DetectionOptions * msg ) [static]
```

7.55.1.6 detect_batch()

```
const ::briar::IntOption & briar::DetectionOptions::_Internal::detect_batch (
    const DetectionOptions * msg ) [static]
```

7.55.1.7 enable_metadata()

```
const ::briar::BoolOption & briar::DetectionOptions::_Internal::enable_metadata (
    const DetectionOptions * msg ) [static]
```

7.55.1.8 face_min_height()

```
const ::briar::IntOption & briar::DetectionOptions::_Internal::face_min_height (
    const DetectionOptions * msg ) [static]
```

7.55.1.9 face_threshold()

```
const ::briar::FloatOption & briar::DetectionOptions::_Internal::face_threshold (
    const DetectionOptions * msg ) [static]
```

7.55.1.10 return_media()

```
const ::briar::BoolOption & briar::DetectionOptions::_Internal::return_media (
    const DetectionOptions * msg ) [static]
```

7.55.1.11 tracking_options()

```
const ::briar::TrackingOptions & briar::DetectionOptions::_Internal::tracking_options (
    const DetectionOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.56 briar::DetectReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const DetectReply *msg)
- static const ::briar::BriarErrors & errors (const DetectReply *msg)
- static const ::briar::BriarProgress & progress (const DetectReply *msg)
- static const ::briar::BriarMedia & reference_media (const DetectReply *msg)

7.56.1 Member Function Documentation

7.56.1.1 durations()

```
const ::briar::BriarDurations & briar::DetectReply::_Internal::durations (
    const DetectReply * msg ) [static]
```

7.56.1.2 errors()

```
const ::briar::BriarErrors & briar::DetectReply::_Internal::errors (
    const DetectReply * msg ) [static]
```

7.56.1.3 progress()

```
const ::briar::BriarProgress & briar::DetectReply::_Internal::progress (
    const DetectReply * msg ) [static]
```

7.56.1.4 reference_media()

```
const ::briar::BriarMedia & briar::DetectReply::_Internal::reference_media (
    const DetectReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.57 briar::DetectRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectionOptions & detect_options (const DetectRequest *msg)
- static const ::briar::BriarDurations & durations (const DetectRequest *msg)
- static const ::briar::BriarMedia & media (const DetectRequest *msg)

7.57.1 Member Function Documentation

7.57.1.1 detect_options()

```
const ::briar::DetectionOptions & briar::DetectRequest::_Internal::detect_options (
    const DetectRequest * msg ) [static]
```

7.57.1.2 durations()

```
const ::briar::BriarDurations & briar::DetectRequest::_Internal::durations (
    const DetectRequest * msg ) [static]
```

7.57.1.3 media()

```
const ::briar::BriarMedia & briar::DetectRequest::_Internal::media (
    const DetectRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.58 briar::Empty::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.59 briar::EnhanceOptions::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::StringOption](#) & [algorithm_id](#) (const [EnhanceOptions](#) *msg)
- static const ::[briar::IntOption](#) & [enhance_batch](#) (const [EnhanceOptions](#) *msg)
- static const ::[briar::BoolOption](#) & [return_media](#) (const [EnhanceOptions](#) *msg)

7.59.1 Member Function Documentation

7.59.1.1 algorithm_id()

```
const ::briar::StringOption & briar::EnhanceOptions::_Internal::algorithm_id (
    const EnhanceOptions * msg ) [static]
```

7.59.1.2 enhance_batch()

```
const ::briar::IntOption & briar::EnhanceOptions::_Internal::enhance_batch (
    const EnhanceOptions * msg ) [static]
```

7.59.1.3 return_media()

```
const ::briar::BoolOption & briar::EnhanceOptions::_Internal::return_media (
    const EnhanceOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.60 briar::EnhanceReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const EnhanceReply *msg)
- static const ::briar::BriarErrors & errors (const EnhanceReply *msg)
- static const ::briar::BriarMedia & media (const EnhanceReply *msg)
- static const ::briar::BriarProgress & progress (const EnhanceReply *msg)

7.60.1 Member Function Documentation

7.60.1.1 durations()

```
const ::briar::BriarDurations & briar::EnhanceReply::_Internal::durations (
    const EnhanceReply * msg ) [static]
```

7.60.1.2 errors()

```
const ::briar::BriarErrors & briar::EnhanceReply::_Internal::errors (
    const EnhanceReply * msg ) [static]
```

7.60.1.3 media()

```
const ::briar::BriarMedia & briar::EnhanceReply::_Internal::media (
    const EnhanceReply * msg ) [static]
```

7.60.1.4 progress()

```
const ::briar::BriarProgress & briar::EnhanceReply::_Internal::progress (
    const EnhanceReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.61 briar::EnhanceRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const EnhanceRequest *msg)
- static const ::briar::EnhanceOptions & enhance_options (const EnhanceRequest *msg)
- static const ::briar::BriarMedia & media (const EnhanceRequest *msg)

7.61.1 Member Function Documentation

7.61.1.1 durations()

```
const ::briar::BriarDurations & briar::EnhanceRequest::_Internal::durations (
    const EnhanceRequest * msg ) [static]
```

7.61.1.2 enhance_options()

```
const ::briar::EnhanceOptions & briar::EnhanceRequest::_Internal::enhance_options (
    const EnhanceRequest * msg ) [static]
```

7.61.1.3 media()

```
const ::briar::BriarMedia & briar::EnhanceRequest::_Internal::media (
    const EnhanceRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.62 briar::EnrollCustomRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const EnrollCustomRequest *msg)
- static const ::briar::DetectionOptions & detect_options (const EnrollCustomRequest *msg)
- static const ::briar::BriarDurations & durations (const EnrollCustomRequest *msg)
- static const ::briar::EnrollOptions & enroll_options (const EnrollCustomRequest *msg)
- static const ::briar::ExtractOptions & extract_options (const EnrollCustomRequest *msg)

7.62.1 Member Function Documentation

7.62.1.1 database()

```
const ::briar::BriarDatabase & briar::EnrollCustomRequest::_Internal::database (
    const EnrollCustomRequest * msg ) [static]
```

7.62.1.2 detect_options()

```
const ::briar::DetectionOptions & briar::EnrollCustomRequest::_Internal::detect_options (
    const EnrollCustomRequest * msg ) [static]
```

7.62.1.3 durations()

```
const ::briar::BriarDurations & briar::EnrollCustomRequest::_Internal::durations (
    const EnrollCustomRequest * msg ) [static]
```

7.62.1.4 enroll_options()

```
const ::briar::EnrollOptions & briar::EnrollCustomRequest::_Internal::enroll_options (
    const EnrollCustomRequest * msg ) [static]
```

7.62.1.5 extract_options()

```
const ::briar::ExtractOptions & briar::EnrollCustomRequest::_Internal::extract_options (
    const EnrollCustomRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.63 briar::EnrollmentInfo::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.64 briar::EnrollOptions::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BoolOption & `debug` (const `EnrollOptions` *`msg`)
- static const ::briar::IntOption & `enroll_batch` (const `EnrollOptions` *`msg`)
- static const ::briar::BoolOption & `return_media` (const `EnrollOptions` *`msg`)
- static const ::briar::BoolOption & `save_metadata` (const `EnrollOptions` *`msg`)
- static const ::briar::BoolOption & `store_media` (const `EnrollOptions` *`msg`)
- static const ::briar::IntOption & `subject_id_integer` (const `EnrollOptions` *`msg`)
- static const ::briar::BoolOption & `use_subject_integer_id` (const `EnrollOptions` *`msg`)

7.64.1 Member Function Documentation

7.64.1.1 `debug()`

```
const ::briar::BoolOption & briar::EnrollOptions::_Internal::debug (
    const EnrollOptions * msg ) [static]
```

7.64.1.2 `enroll_batch()`

```
const ::briar::IntOption & briar::EnrollOptions::_Internal::enroll_batch (
    const EnrollOptions * msg ) [static]
```

7.64.1.3 `return_media()`

```
const ::briar::BoolOption & briar::EnrollOptions::_Internal::return_media (
    const EnrollOptions * msg ) [static]
```

7.64.1.4 `save_metadata()`

```
const ::briar::BoolOption & briar::EnrollOptions::_Internal::save_metadata (
    const EnrollOptions * msg ) [static]
```

7.64.1.5 `store_media()`

```
const ::briar::BoolOption & briar::EnrollOptions::_Internal::store_media (
    const EnrollOptions * msg ) [static]
```

7.64.1.6 `subject_id_integer()`

```
const ::briar::IntOption & briar::EnrollOptions::_Internal::subject_id_integer (
    const EnrollOptions * msg ) [static]
```

7.64.1.7 `use_subject_integer_id()`

```
const ::briar::BoolOption & briar::EnrollOptions::_Internal::use_subject_integer_id (
    const EnrollOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.65 `briar::EnrollReply::_Internal` Class Reference

Static Public Member Functions

- static const ::briar::DetectReply & [detect_reply](#) (const `EnrollReply` *msg)
- static const ::briar::BriarDurations & [durations](#) (const `EnrollReply` *msg)
- static const ::briar::BriarErrors & [errors](#) (const `EnrollReply` *msg)
- static const ::briar::ExtractReply & [extract_reply](#) (const `EnrollReply` *msg)
- static const ::briar::BriarProgress & [progress](#) (const `EnrollReply` *msg)
- static const ::briar::TrackReply & [track_reply](#) (const `EnrollReply` *msg)

7.65.1 Member Function Documentation

7.65.1.1 `detect_reply()`

```
const ::briar::DetectReply & briar::EnrollReply::_Internal::detect_reply (
    const EnrollReply * msg ) [static]
```

7.65.1.2 durations()

```
const ::briar::BriarDurations & briar::EnrollReply::_Internal::durations (
    const EnrollReply * msg ) [static]
```

7.65.1.3 errors()

```
const ::briar::BriarErrors & briar::EnrollReply::_Internal::errors (
    const EnrollReply * msg ) [static]
```

7.65.1.4 extract_reply()

```
const ::briar::ExtractReply & briar::EnrollReply::_Internal::extract_reply (
    const EnrollReply * msg ) [static]
```

7.65.1.5 progress()

```
const ::briar::BriarProgress & briar::EnrollReply::_Internal::progress (
    const EnrollReply * msg ) [static]
```

7.65.1.6 track_reply()

```
const ::briar::TrackReply & briar::EnrollReply::_Internal::track_reply (
    const EnrollReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.66 briar::EnrollRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const EnrollRequest *msg)
- static const ::briar::DetectionOptions & detect_options (const EnrollRequest *msg)
- static const ::briar::BriarDurations & durations (const EnrollRequest *msg)
- static const ::briar::EnrollOptions & enroll_options (const EnrollRequest *msg)
- static const ::briar::ExtractOptions & extract_options (const EnrollRequest *msg)
- static const ::briar::BriarMedia & media (const EnrollRequest *msg)
- static const ::briar::Record & record (const EnrollRequest *msg)
- static const ::briar::Template & template_ (const EnrollRequest *msg)

7.66.1 Member Function Documentation

7.66.1.1 database()

```
const ::briar::BriarDatabase & briar::EnrollRequest::_Internal::database (
    const EnrollRequest * msg ) [static]
```

7.66.1.2 detect_options()

```
const ::briar::DetectionOptions & briar::EnrollRequest::_Internal::detect_options (
    const EnrollRequest * msg ) [static]
```

7.66.1.3 durations()

```
const ::briar::BriarDurations & briar::EnrollRequest::_Internal::durations (
    const EnrollRequest * msg ) [static]
```

7.66.1.4 enroll_options()

```
const ::briar::EnrollOptions & briar::EnrollRequest::_Internal::enroll_options (
    const EnrollRequest * msg ) [static]
```

7.66.1.5 extract_options()

```
const ::briar::ExtractOptions & briar::EnrollRequest::_Internal::extract_options (
    const EnrollRequest * msg ) [static]
```

7.66.1.6 media()

```
const ::briar::BriarMedia & briar::EnrollRequest::_Internal::media (
    const EnrollRequest * msg ) [static]
```

7.66.1.7 record()

```
const ::briar::Record & briar::EnrollRequest::_Internal::record (
    const EnrollRequest * msg ) [static]
```

7.66.1.8 template_()

```
const ::briar::Template & briar::EnrollRequest::_Internal::template_ (
    const EnrollRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.67 briar::ExtractOptions::_Internal Class Reference

Static Public Member Functions

- static const ::briar::StringOption & algorithm_id (const ExtractOptions *msg)
- static const ::briar::BoolOption & debug (const ExtractOptions *msg)
- static const ::briar::IntOption & extract_batch (const ExtractOptions *msg)
- static const ::briar::BoolOption & return_media (const ExtractOptions *msg)

7.67.1 Member Function Documentation

7.67.1.1 algorithm_id()

```
const ::briar::StringOption & briar::ExtractOptions::_Internal::algorithm_id (
    const ExtractOptions * msg ) [static]
```

7.67.1.2 debug()

```
const ::briar::BoolOption & briar::ExtractOptions::_Internal::debug (
    const ExtractOptions * msg ) [static]
```

7.67.1.3 extract_batch()

```
const ::briar::IntOption & briar::ExtractOptions::_Internal::extract_batch (
    const ExtractOptions * msg ) [static]
```

7.67.1.4 return_media()

```
const ::briar::BoolOption & briar::ExtractOptions::_Internal::return_media (
    const ExtractOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.68 briar::ExtractReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectReply & detect_reply (const ExtractReply *msg)
- static const ::briar::BriarDurations & durations (const ExtractReply *msg)
- static const ::briar::BriarErrors & errors (const ExtractReply *msg)
- static const ::briar::BriarProgress & progress (const ExtractReply *msg)
- static const ::briar::TrackReply & track_reply (const ExtractReply *msg)

7.68.1 Member Function Documentation

7.68.1.1 detect_reply()

```
const ::briar::DetectReply & briar::ExtractReply::_Internal::detect_reply (
    const ExtractReply * msg ) [static]
```

7.68.1.2 durations()

```
const ::briar::BriarDurations & briar::ExtractReply::_Internal::durations (
    const ExtractReply * msg ) [static]
```

7.68.1.3 errors()

```
const ::briar::BriarErrors & briar::ExtractReply::_Internal::errors (
    const ExtractReply * msg ) [static]
```

7.68.1.4 progress()

```
const ::briar::BriarProgress & briar::ExtractReply::_Internal::progress (
    const ExtractReply * msg ) [static]
```

7.68.1.5 track_reply()

```
const ::briar::TrackReply & briar::ExtractReply::_Internal::track_reply (
    const ExtractReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.69 briar::ExtractRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectionOptions & detect_options (const ExtractRequest *msg)
- static const ::briar::BriarDurations & durations (const ExtractRequest *msg)
- static const ::briar::ExtractOptions & extract_options (const ExtractRequest *msg)
- static const ::briar::BriarMedia & media (const ExtractRequest *msg)

7.69.1 Member Function Documentation

7.69.1.1 detect_options()

```
const ::briar::DetectionOptions & briar::ExtractRequest::_Internal::detect_options (
    const ExtractRequest * msg ) [static]
```

7.69.1.2 durations()

```
const ::briar::BriarDurations & briar::ExtractRequest::_Internal::durations (
    const ExtractRequest * msg ) [static]
```

7.69.1.3 extract_options()

```
const ::briar::ExtractOptions & briar::ExtractRequest::_Internal::extract_options (
    const ExtractRequest * msg ) [static]
```

7.69.1.4 media()

```
const ::briar::BriarMedia & briar::ExtractRequest::_Internal::media (
    const ExtractRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.70 briar::FloatOption::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.71 briar::FrameMetadata::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.72 briar::IntOption::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.73 briar::MediaMetadata::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.74 briar::Record::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarDatabase](#) & [database_id](#) (const [Record](#) *msg)
- static const ::[briar::Detection](#) & [detection](#) (const [Record](#) *msg)

7.74.1 Member Function Documentation

7.74.1.1 [database_id\(\)](#)

```
const ::briar::BriarDatabase & briar::Record::_Internal::database_id (
    const Record * msg ) [static]
```

7.74.1.2 [detection\(\)](#)

```
const ::briar::Detection & briar::Record::_Internal::detection (
    const Record * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.75 briar::RecordList::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.76 briar::SearchDatabaseReply::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarErrors](#) & [errors](#) (const [SearchDatabaseReply](#) *msg)
- static const ::[briar::BriarProgress](#) & [progress](#) (const [SearchDatabaseReply](#) *msg)

7.76.1 Member Function Documentation

7.76.1.1 errors()

```
const ::briar::BriarErrors & briar::SearchDatabaseReply::_Internal::errors (
    const SearchDatabaseReply * msg ) [static]
```

7.76.1.2 progress()

```
const ::briar::BriarProgress & briar::SearchDatabaseReply::_Internal::progress (
    const SearchDatabaseReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.77 briar::SearchDatabaseRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const SearchDatabaseRequest *msg)
- static const ::briar::BriarDurations & durations (const SearchDatabaseRequest *msg)
- static const ::briar::BriarDatabase & probe_database (const SearchDatabaseRequest *msg)
- static const ::briar::SearchOptions & search_options (const SearchDatabaseRequest *msg)

7.77.1 Member Function Documentation

7.77.1.1 database()

```
const ::briar::BriarDatabase & briar::SearchDatabaseRequest::_Internal::database (
    const SearchDatabaseRequest * msg ) [static]
```

7.77.1.2 durations()

```
const ::briar::BriarDurations & briar::SearchDatabaseRequest::_Internal::durations (
    const SearchDatabaseRequest * msg ) [static]
```

7.77.1.3 probe_database()

```
const ::briar::BriarDatabase & briar::SearchDatabaseRequest::Internal::probe_database (
    const SearchDatabaseRequest * msg ) [static]
```

7.77.1.4 search_options()

```
const ::briar::SearchOptions & briar::SearchDatabaseRequest::Internal::search_options (
    const SearchDatabaseRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.78 briar::SearchMatchInfo::Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarMedia & body (const SearchMatchInfo *msg)
- static const ::briar::BriarMedia & face (const SearchMatchInfo *msg)
- static const ::briar::BriarMedia & gate (const SearchMatchInfo *msg)

7.78.1 Member Function Documentation

7.78.1.1 body()

```
const ::briar::BriarMedia & briar::SearchMatchInfo::Internal::body (
    const SearchMatchInfo * msg ) [static]
```

7.78.1.2 face()

```
const ::briar::BriarMedia & briar::SearchMatchInfo::Internal::face (
    const SearchMatchInfo * msg ) [static]
```

7.78.1.3 gate()

```
const ::briar::BriarMedia & briar::SearchMatchInfo::_Internal::gate (
    const SearchMatchInfo * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.79 briar::SearchMatchList::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.80 briar::SearchOptions::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BoolOption & full (const SearchOptions *msg)
- static const ::briar::IntOption & max_results (const SearchOptions *msg)
- static const ::briar::StringOption & out_dir (const SearchOptions *msg)
- static const ::briar::StringOption & output_type (const SearchOptions *msg)
- static const ::briar::StringOption & probe_database (const SearchOptions *msg)
- static const ::briar::BoolOption & return_matrix (const SearchOptions *msg)
- static const ::briar::BoolOption & return_media (const SearchOptions *msg)
- static const ::briar::IntOption & search_batch (const SearchOptions *msg)
- static const ::briar::StringOption & search_database (const SearchOptions *msg)
- static const ::briar::FloatOption & search_threshold (const SearchOptions *msg)
- static const ::briar::BoolOption & use_detections (const SearchOptions *msg)
- static const ::briar::BoolOption & use_templates (const SearchOptions *msg)

7.80.1 Member Function Documentation

7.80.1.1 full()

```
const ::briar::BoolOption & briar::SearchOptions::_Internal::full (
    const SearchOptions * msg ) [static]
```

7.80.1.2 max_results()

```
const ::briar::IntOption & briar::SearchOptions::_Internal::max_results (
    const SearchOptions * msg ) [static]
```

7.80.1.3 out_dir()

```
const ::briar::StringOption & briar::SearchOptions::_Internal::out_dir (
    const SearchOptions * msg ) [static]
```

7.80.1.4 output_type()

```
const ::briar::StringOption & briar::SearchOptions::_Internal::output_type (
    const SearchOptions * msg ) [static]
```

7.80.1.5 probe_database()

```
const ::briar::StringOption & briar::SearchOptions::_Internal::probe_database (
    const SearchOptions * msg ) [static]
```

7.80.1.6 return_matrix()

```
const ::briar::BoolOption & briar::SearchOptions::_Internal::return_matrix (
    const SearchOptions * msg ) [static]
```

7.80.1.7 return_media()

```
const ::briar::BoolOption & briar::SearchOptions::_Internal::return_media (
    const SearchOptions * msg ) [static]
```

7.80.1.8 search_batch()

```
const ::briar::IntOption & briar::SearchOptions::_Internal::search_batch (
    const SearchOptions * msg ) [static]
```

7.80.1.9 search_database()

```
const ::briar::StringOption & briar::SearchOptions::_Internal::search_database (
    const SearchOptions * msg ) [static]
```

7.80.1.10 search_threshold()

```
const ::briar::FloatOption & briar::SearchOptions::_Internal::search_threshold (
    const SearchOptions * msg ) [static]
```

7.80.1.11 use_detections()

```
const ::briar::BoolOption & briar::SearchOptions::_Internal::use_detections (
    const SearchOptions * msg ) [static]
```

7.80.1.12 use_templates()

```
const ::briar::BoolOption & briar::SearchOptions::_Internal::use_templates (
    const SearchOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.81 briar::SearchReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectReply & detect_reply (const SearchReply *msg)
- static const ::briar::BriarDurations & durations (const SearchReply *msg)
- static const ::briar::BriarErrors & errors (const SearchReply *msg)
- static const ::briar::ExtractReply & extract_reply (const SearchReply *msg)
- static const ::briar::BriarProgress & progress (const SearchReply *msg)

7.81.1 Member Function Documentation

7.81.1.1 detect_reply()

```
const ::briar::DetectReply & briar::SearchReply::_Internal::detect_reply (
    const SearchReply * msg ) [static]
```

7.81.1.2 durations()

```
const ::briar::BriarDurations & briar::SearchReply::_Internal::durations (
    const SearchReply * msg ) [static]
```

7.81.1.3 errors()

```
const ::briar::BriarErrors & briar::SearchReply::_Internal::errors (
    const SearchReply * msg ) [static]
```

7.81.1.4 extract_reply()

```
const ::briar::ExtractReply & briar::SearchReply::_Internal::extract_reply (
    const SearchReply * msg ) [static]
```

7.81.1.5 progress()

```
const ::briar::BriarProgress & briar::SearchReply::_Internal::progress (
    const SearchReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.82 briar::SearchRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDatabase & database (const SearchRequest *msg)
- static const ::briar::DetectionOptions & detect_options (const SearchRequest *msg)
- static const ::briar::BriarDurations & durations (const SearchRequest *msg)
- static const ::briar::ExtractOptions & extract_options (const SearchRequest *msg)
- static const ::briar::BriarMedia & media (const SearchRequest *msg)
- static const ::briar::TemplateList & probes (const SearchRequest *msg)
- static const ::briar::SearchOptions & search_options (const SearchRequest *msg)

7.82.1 Member Function Documentation

7.82.1.1 database()

```
const ::briar::BriarDatabase & briar::SearchRequest::_Internal::database (
    const SearchRequest * msg ) [static]
```

7.82.1.2 detect_options()

```
const ::briar::DetectionOptions & briar::SearchRequest::_Internal::detect_options (
    const SearchRequest * msg ) [static]
```

7.82.1.3 durations()

```
const ::briar::BriarDurations & briar::SearchRequest::_Internal::durations (
    const SearchRequest * msg ) [static]
```

7.82.1.4 extract_options()

```
const ::briar::ExtractOptions & briar::SearchRequest::_Internal::extract_options (
    const SearchRequest * msg ) [static]
```

7.82.1.5 media()

```
const ::briar::BriarMedia & briar::SearchRequest::_Internal::media (
    const SearchRequest * msg ) [static]
```

7.82.1.6 probes()

```
const ::briar::TemplateList & briar::SearchRequest::_Internal::probes (
    const SearchRequest * msg ) [static]
```

7.82.1.7 search_options()

```
const ::briar::SearchOptions & briar::SearchRequest::_Internal::search_options (
    const SearchRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.83 briar::StatusReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::APIVersion & [api_version](#) (const [StatusReply](#) *msg)
- static const ::briar::APIVersion & [version](#) (const [StatusReply](#) *msg)

7.83.1 Member Function Documentation

7.83.1.1 api_version()

```
const ::briar::APIVersion & briar::StatusReply::_Internal::api_version (
    const StatusReply * msg ) [static]
```

7.83.1.2 version()

```
const ::briar::APIVersion & briar::StatusReply::_Internal::version (
    const StatusReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.84 briar::StatusRequest::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.85 briar::StringOption::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.86 briar::Template::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarVector](#) & [data](#) (const [Template](#) *msg)

7.86.1 Member Function Documentation

7.86.1.1 [data\(\)](#)

```
const ::briar::BriarVector & briar::Template::_Internal::data (
    const Template * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.87 briar::TemplateData::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.88 briar::TemplateIds::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.89 briar::TemplateImageInput::_Internal Class Reference

Static Public Member Functions

- static const ::[briar::BriarMedia](#) & [im](#) (const [TemplateImageInput](#) *msg)

7.89.1 Member Function Documentation

7.89.1.1 im()

```
const ::briar::BriarMedia & briar::TemplateImageInput::_Internal::im (
    const TemplateImageInput * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.90 briar::TemplateList::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.91 briar::TemplateListGroup::_Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.92 briar::TrackingOptions::_Internal Class Reference

Static Public Member Functions

- static const ::briar::StringOption & [algorithm_id](#) (const TrackingOptions *msg)
- static const ::briar::BoolOption & [return_media](#) (const TrackingOptions *msg)
- static const ::briar::FloatOption & [threshold](#) (const TrackingOptions *msg)
- static const ::briar::IntOption & [tracking_batch](#) (const TrackingOptions *msg)
- static const ::briar::BoolOption & [tracking_disable](#) (const TrackingOptions *msg)

7.92.1 Member Function Documentation

7.92.1.1 algorithm_id()

```
const ::briar::StringOption & briar::TrackingOptions::_Internal::algorithm_id (
    const TrackingOptions * msg ) [static]
```

7.92.1.2 return_media()

```
const ::briar::BoolOption & briar::TrackingOptions::_Internal::return_media (
    const TrackingOptions * msg ) [static]
```

7.92.1.3 threshold()

```
const ::briar::FloatOption & briar::TrackingOptions::_Internal::threshold (
    const TrackingOptions * msg ) [static]
```

7.92.1.4 tracking_batch()

```
const ::briar::IntOption & briar::TrackingOptions::_Internal::tracking_batch (
    const TrackingOptions * msg ) [static]
```

7.92.1.5 tracking_disable()

```
const ::briar::BoolOption & briar::TrackingOptions::_Internal::tracking_disable (
    const TrackingOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.93 briar::Tracklet::_Internal Class Reference

Static Public Member Functions

- static const ::briar::TrackingOptions & options (const Tracklet *msg)

7.93.1 Member Function Documentation

7.93.1.1 options()

```
const ::briar::TrackingOptions & briar::Tracklet::_Internal::options (
    const Tracklet * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.94 briar::TrackReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const TrackReply *msg)
- static const ::briar::BriarErrors & errors (const TrackReply *msg)
- static const ::briar::BriarProgress & progress (const TrackReply *msg)

7.94.1 Member Function Documentation

7.94.1.1 durations()

```
const ::briar::BriarDurations & briar::TrackReply::_Internal::durations (
    const TrackReply * msg ) [static]
```

7.94.1.2 errors()

```
const ::briar::BriarErrors & briar::TrackReply::_Internal::errors (
    const TrackReply * msg ) [static]
```

7.94.1.3 progress()

```
const ::briar::BriarProgress & briar::TrackReply::_Internal::progress (
    const TrackReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.95 briar::TrackRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectionOptions & detect_options (const TrackRequest *msg)
- static const ::briar::BriarDurations & durations (const TrackRequest *msg)
- static const ::briar::BriarMedia & media (const TrackRequest *msg)

7.95.1 Member Function Documentation

7.95.1.1 detect_options()

```
const ::briar::DetectionOptions & briar::TrackRequest::_Internal::detect_options (
    const TrackRequest * msg ) [static]
```

7.95.1.2 durations()

```
const ::briar::BriarDurations & briar::TrackRequest::_Internal::durations (
    const TrackRequest * msg ) [static]
```

7.95.1.3 media()

```
const ::briar::BriarMedia & briar::TrackRequest::_Internal::media (
    const TrackRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.96 briar::VerifyDatabaseReply::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarErrors & errors (const VerifyDatabaseReply *msg)
- static const ::briar::BriarMatrix & match_matrix (const VerifyDatabaseReply *msg)
- static const ::briar::BriarProgress & progress (const VerifyDatabaseReply *msg)

7.96.1 Member Function Documentation

7.96.1.1 errors()

```
const ::briar::BriarErrors & briar::VerifyDatabaseReply::_Internal::errors (
    const VerifyDatabaseReply * msg ) [static]
```

7.96.1.2 match_matrix()

```
const ::briar::BriarMatrix & briar::VerifyDatabaseReply::_Internal::match_matrix (
    const VerifyDatabaseReply * msg ) [static]
```

7.96.1.3 progress()

```
const ::briar::BriarProgress & briar::VerifyDatabaseReply::_Internal::progress (
    const VerifyDatabaseReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.97 briar::VerifyDatabaseRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarDurations & durations (const VerifyDatabaseRequest *msg)
- static const ::briar::BriarDatabase & reference_database (const VerifyDatabaseRequest *msg)
- static const ::briar::BriarDatabase & verify_database (const VerifyDatabaseRequest *msg)
- static const ::briar::VerifyOptions & verify_options (const VerifyDatabaseRequest *msg)

7.97.1 Member Function Documentation

7.97.1.1 durations()

```
const ::briar::BriarDurations & briar::VerifyDatabaseRequest::_Internal::durations (
    const VerifyDatabaseRequest * msg ) [static]
```

7.97.1.2 reference_database()

```
const ::briar::BriarDatabase & briar::VerifyDatabaseRequest::_Internal::reference_database (
    const VerifyDatabaseRequest * msg ) [static]
```

7.97.1.3 verify_database()

```
const ::briar::BriarDatabase & briar::VerifyDatabaseRequest::_Internal::verify_database (
    const VerifyDatabaseRequest * msg ) [static]
```

7.97.1.4 verify_options()

```
const ::briar::VerifyOptions & briar::VerifyDatabaseRequest::_Internal::verify_options (
    const VerifyDatabaseRequest * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.98 briar::VerifyMatchInfo::_Internal Class Reference

Static Public Member Functions

- static const ::briar::BriarMedia & body (const VerifyMatchInfo *msg)
- static const ::briar::BriarMedia & face (const VerifyMatchInfo *msg)
- static const ::briar::BriarMedia & gate (const VerifyMatchInfo *msg)

7.98.1 Member Function Documentation

7.98.1.1 body()

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::_Internal::body (
    const VerifyMatchInfo * msg ) [static]
```

7.98.1.2 face()

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::_Internal::face (
    const VerifyMatchInfo * msg ) [static]
```

7.98.1.3 gate()

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::Internal::gate (
    const VerifyMatchInfo * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.99 briar::VerifyMatchList::Internal Class Reference

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.100 briar::VerifyOptions::Internal Class Reference

Static Public Member Functions

- static const ::briar::BoolOption & **debug** (const VerifyOptions *msg)
- static const ::briar::BoolOption & **return_media** (const VerifyOptions *msg)
- static const ::briar::BoolOption & **use_detections** (const VerifyOptions *msg)
- static const ::briar::BoolOption & **use_templates** (const VerifyOptions *msg)
- static const ::briar::BoolOption & **use_whole_image** (const VerifyOptions *msg)

7.100.1 Member Function Documentation

7.100.1.1 debug()

```
const ::briar::BoolOption & briar::VerifyOptions::Internal::debug (
    const VerifyOptions * msg ) [static]
```

7.100.1.2 return_media()

```
const ::briar::BoolOption & briar::VerifyOptions::Internal::return_media (
    const VerifyOptions * msg ) [static]
```

7.100.1.3 `use_detections()`

```
const ::briar::BoolOption & briar::VerifyOptions::_Internal::use_detections (
    const VerifyOptions * msg ) [static]
```

7.100.1.4 `use_templates()`

```
const ::briar::BoolOption & briar::VerifyOptions::_Internal::use_templates (
    const VerifyOptions * msg ) [static]
```

7.100.1.5 `use_whole_image()`

```
const ::briar::BoolOption & briar::VerifyOptions::_Internal::use_whole_image (
    const VerifyOptions * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.101 `briar::VerifyReply::_Internal` Class Reference

Static Public Member Functions

- static const ::briar::DetectReply & `detect_reply` (const `VerifyReply` *msg)
- static const ::briar::BriarDurations & `durations` (const `VerifyReply` *msg)
- static const ::briar::BriarErrors & `errors` (const `VerifyReply` *msg)
- static const ::briar::ExtractReply & `extract_reply` (const `VerifyReply` *msg)
- static const ::briar::VerifyMatchList & `similarities` (const `VerifyReply` *msg)

7.101.1 Member Function Documentation

7.101.1.1 `detect_reply()`

```
const ::briar::DetectReply & briar::VerifyReply::_Internal::detect_reply (
    const VerifyReply * msg ) [static]
```

7.101.1.2 durations()

```
const ::briar::BriarDurations & briar::VerifyReply::_Internal::durations (
    const VerifyReply * msg ) [static]
```

7.101.1.3 errors()

```
const ::briar::BriarErrors & briar::VerifyReply::_Internal::errors (
    const VerifyReply * msg ) [static]
```

7.101.1.4 extract_reply()

```
const ::briar::ExtractReply & briar::VerifyReply::_Internal::extract_reply (
    const VerifyReply * msg ) [static]
```

7.101.1.5 similarities()

```
const ::briar::VerifyMatchList & briar::VerifyReply::_Internal::similarities (
    const VerifyReply * msg ) [static]
```

The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.102 briar::VerifyRequest::_Internal Class Reference

Static Public Member Functions

- static const ::briar::DetectionOptions & detect_options (const VerifyRequest *msg)
- static const ::briar::BriarDurations & durations (const VerifyRequest *msg)
- static const ::briar::ExtractOptions & extract_options (const VerifyRequest *msg)
- static const ::briar::BriarMedia & media (const VerifyRequest *msg)
- static const ::briar::TemplateList & reference_tmpls (const VerifyRequest *msg)
- static const ::briar::VerifyOptions & verify_options (const VerifyRequest *msg)

7.102.1 Member Function Documentation

7.102.1.1 detect_options()

```
const ::briar::DetectionOptions & briar::VerifyRequest::_Internal::detect_options (
    const VerifyRequest * msg ) [static]
```

7.102.1.2 durations()

```
const ::briar::BriarDurations & briar::VerifyRequest::_Internal::durations (
    const VerifyRequest * msg ) [static]
```

7.102.1.3 extract_options()

```
const ::briar::ExtractOptions & briar::VerifyRequest::_Internal::extract_options (
    const VerifyRequest * msg ) [static]
```

7.102.1.4 media()

```
const ::briar::BriarMedia & briar::VerifyRequest::_Internal::media (
    const VerifyRequest * msg ) [static]
```

7.102.1.5 reference_tmpls()

```
const ::briar::TemplateList & briar::VerifyRequest::_Internal::reference_tmpls (
    const VerifyRequest * msg ) [static]
```

7.102.1.6 verify_options()

```
const ::briar::VerifyOptions & briar::VerifyRequest::_Internal::verify_options (
    const VerifyRequest * msg ) [static]
```

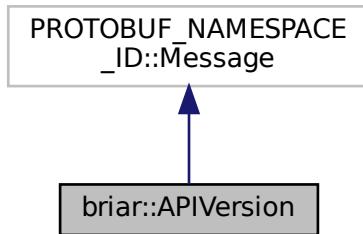
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

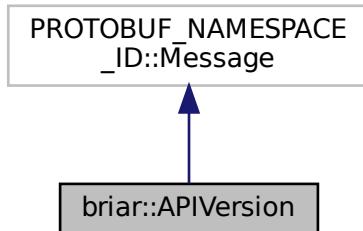
7.103 briar::APIVersion Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::APIVersion:



Collaboration diagram for briar::APIVersion:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kMajorFieldNumber](#) = 1 , [kMinorFieldNumber](#) = 2 , [kPatchFieldNumber](#) = 3 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [APIVersion](#) ()
- PROTOBUF_CONSTEXPR [APIVersion](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [APIVersion](#) ([APIVersion](#) &&from) noexcept
- [APIVersion](#) (const [APIVersion](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_major](#) ()
- void [clear_minor](#) ()
- void [clear_patch](#) ()
- void [CopyFrom](#) (const [APIVersion](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- int32_t [major](#) () const
- void [MergeFrom](#) (const [APIVersion](#) &from)
- int32_t [minor](#) () const
- [APIVersion](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [APIVersion](#) & [operator=](#) ([APIVersion](#) &&from) noexcept
- [APIVersion](#) & [operator=](#) (const [APIVersion](#) &from)
- int32_t [patch](#) () const
- void [set_major](#) (int32_t value)
- void [set_minor](#) (int32_t value)
- void [set_patch](#) (int32_t value)
- void [Swap](#) ([APIVersion](#) *other)
- void [UnsafeArenaSwap](#) ([APIVersion](#) *other)
- [~APIVersion](#) () override

Static Public Member Functions

- static const [APIVersion](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [APIVersion](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [APIVersion](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5gRPC_2fbriar_2eprot
- void swap (APIVersion &a, APIVersion &b)

7.103.1 Member Enumeration Documentation

7.103.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMajorFieldNumber	
kMinorFieldNumber	
kPatchFieldNumber	

7.103.2 Constructor & Destructor Documentation

7.103.2.1 APIVersion() [1/5]

```
briar::APIVersion::APIVersion ( ) [inline]
```

7.103.2.2 ~APIVersion()

```
briar::APIVersion::~APIVersion ( ) [override]
```

7.103.2.3 APIVersion() [2/5]

```
PROTOBUF_CONSTEXPR briar::APIVersion::APIVersion (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.103.2.4 APIVersion() [3/5]

```
briar::APIVersion::APIVersion (
    const APIVersion & from )
```

7.103.2.5 APIVersion() [4/5]

```
briar::APIVersion::APIVersion (
    APIVersion && from ) [inline], [noexcept]
```

7.103.2.6 APIVersion() [5/5]

```
briar::APIVersion::APIVersion (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.103.3 Member Function Documentation

7.103.3.1 _InternalParse()

```
const char * briar::APIVersion::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.103.3.2 _InternalSerialize()

```
uint8_t * briar::APIVersion::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.103.3.3 ByteSizeLong()

```
size_t briar::APIVersion::ByteSizeLong ( ) const [final]
```

7.103.3.4 Clear()

```
void briar::APIVersion::Clear ( ) [final]
```

7.103.3.5 clear_major()

```
void briar::APIVersion::clear_major ( ) [inline]
```

7.103.3.6 clear_minor()

```
void briar::APIVersion::clear_minor ( ) [inline]
```

7.103.3.7 clear_patch()

```
void briar::APIVersion::clear_patch ( ) [inline]
```

7.103.3.8 CopyFrom()

```
void briar::APIVersion::CopyFrom (
    const APIVersion & from )
```

7.103.3.9 default_instance()

```
static const APIVersion& briar::APIVersion::default_instance ( ) [inline], [static]
```

7.103.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::APIVersion::descriptor ( ) [inline],
[static]
```

7.103.3.11 GetCachedSize()

```
int briar::APIVersion::GetCachedSize ( ) const [inline], [final]
```

7.103.3.12 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::APIVersion::GetClassData ( ) const [final]
```

7.103.3.13 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::APIVersion::GetDescriptor ( ) [inline], [static]
```

7.103.3.14 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::APIVersion::GetMetadata ( ) const [final]
```

7.103.3.15 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::APIVersion::GetReflection ( ) [inline], [static]
```

7.103.3.16 internal_default_instance()

```
static const APIVersion* briar::APIVersion::internal_default_instance ( ) [inline], [static]
```

7.103.3.17 IsInitialized()

```
bool briar::APIVersion::IsInitialized ( ) const [final]
```

7.103.3.18 major()

```
int32_t briar::APIVersion::major ( ) const [inline]
```

7.103.3.19 MergeFrom()

```
void briar::APIVersion::MergeFrom (
    const APIVersion & from )
```

7.103.3.20 minor()

```
int32_t briar::APIVersion::minor ( ) const [inline]
```

7.103.3.21 New()

```
APIVersion* briar::APIVersion::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.103.3.22 operator=() [1/2]

```
APIVersion& briar::APIVersion::operator= (
    APIVersion && from ) [inline], [noexcept]
```

7.103.3.23 operator=() [2/2]

```
APIVersion& briar::APIVersion::operator= (
    const APIVersion & from ) [inline]
```

7.103.3.24 patch()

```
int32_t briar::APIVersion::patch ( ) const [inline]
```

7.103.3.25 set_major()

```
void briar::APIVersion::set_major (
    int32_t value ) [inline]
```

7.103.3.26 set_minor()

```
void briar::APIVersion::set_minor (
    int32_t value ) [inline]
```

7.103.3.27 set_patch()

```
void briar::APIVersion::set_patch (
    int32_t value ) [inline]
```

7.103.3.28 Swap()

```
void briar::APIVersion::Swap (
    APIVersion * other ) [inline]
```

7.103.3.29 UnsafeArenaSwap()

```
void briar::APIVersion::UnsafeArenaSwap (
    APIVersion * other ) [inline]
```

7.103.4 Friends And Related Function Documentation

7.103.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.103.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.103.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.103.4.4 swap

```
void swap (
    APIVersion & a,
    APIVersion & b ) [friend]
```

7.103.5 Member Data Documentation**7.103.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::APIVersion::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    APIVersion::MergeImpl
}
```

7.103.5.2 kIndexInFileMessages

```
constexpr int briar::APIVersion::kIndexInFileMessages [static], [constexpr]
```

Initial value:

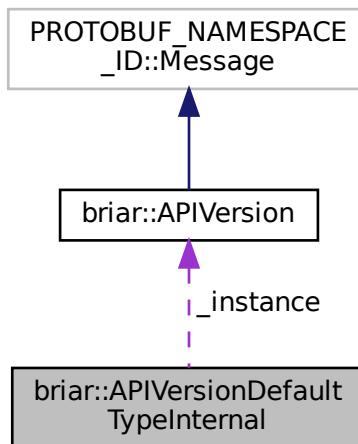
```
= 0
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.104 briar::APIVersionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::APIVersionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR APIVersionDefaultTypeInternal ()
- [~APIVersionDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 APIVersion _instance

};

7.104.1 Constructor & Destructor Documentation

7.104.1.1 APIVersionDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::APIVersionDefaultTypeInternal::APIVersionDefaultTypeInternal ( )
[inline]
```

7.104.1.2 ~APIVersionDefaultTypeInternal()

```
briar::APIVersionDefaultTypeInternal::~APIVersionDefaultTypeInternal () [inline]
```

7.104.2 Member Data Documentation

7.104.2.1

```
union { ... }
```

7.104.2.2 _instance

```
APIVersion briar::APIVersionDefaultTypeInternal::_instance
```

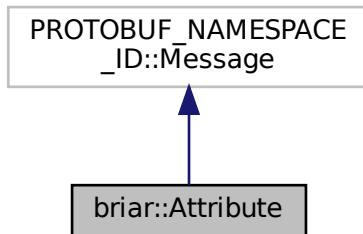
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

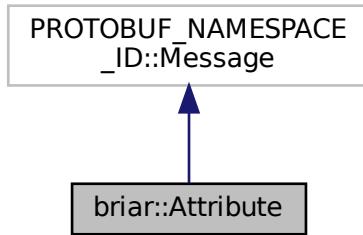
7.105 briar::Attribute Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Attribute:



Collaboration diagram for briar::Attribute:



Classes

- class [_Internal](#)

Public Types

- enum : int {

kKeyFieldNumber = 1 , kDescriptionFieldNumber = 2 , kBufferFieldNumber = 3 , kTextFieldNumber = 6 ,

kPickleFieldNumber = 7 , kJsonFieldNumber = 8 , kXmlFieldNumber = 14 , kMatrixFieldNumber = 9 ,

kVectorFieldNumber = 10 , kMediaFieldNumber = 11 , kPointFieldNumber = 12 , kRectFieldNumber = 13 ,

kValueFieldNumber = 4 , kIvalueFieldNumber = 5 , kTypeFieldNumber = 15 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [Attribute](#) ()
- PROTOBUF_CONSTEXPR [Attribute](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [Attribute](#) ([Attribute](#) &&from) noexcept
- [Attribute](#) (const [Attribute](#) &from)
- const std::string & [buffer](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_buffer](#) ()
- void [clear_description](#) ()
- void [clear_fvalue](#) ()
- void [clear_ivalue](#) ()
- void [clear_json](#) ()
- void [clear_key](#) ()
- void [clear_matrix](#) ()
- void [clear_media](#) ()
- void [clear_pickle](#) ()
- void [clear_point](#) ()

- void `clear_rect()`
- void `clear_text()`
- void `clear_type()`
- void `clear_vector()`
- void `clear_xml()`
- void `CopyFrom(const Attribute &from)`
- const std::string & `description()` const
- float `fvalue()` const
- int `GetCachedSize()` const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData()` const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata()` const final
- bool `has_matrix()` const
- bool `has_media()` const
- bool `has_point()` const
- bool `has_rect()` const
- bool `has_vector()` const
- bool `IsInitialized()` const final
- int32_t `ivalue()` const
- const std::string & `json()` const
- const std::string & `key()` const
- const ::briar::BriarMatrix & `matrix()` const
- const ::briar::BriarMedia & `media()` const
- void `MergeFrom(const Attribute &from)`
- std::string * `mutable_buffer()`
- std::string * `mutable_description()`
- std::string * `mutable_json()`
- std::string * `mutable_key()`
- ::briar::BriarMatrix * `mutable_matrix()`
- ::briar::BriarMedia * `mutable_media()`
- std::string * `mutable_pickle()`
- ::briar::BriarPoint2D * `mutable_point()`
- ::briar::BriarRect * `mutable_rect()`
- std::string * `mutable_text()`
- ::briar::BriarVector * `mutable_vector()`
- std::string * `mutable_xml()`
- `Attribute * New(::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr)` const final
- `Attribute & operator=(Attribute &&from)` noexcept
- `Attribute & operator=(const Attribute &from)`
- const std::string & `pickle()` const
- const ::briar::BriarPoint2D & `point()` const
- const ::briar::BriarRect & `rect()` const
- PROTOBUF_NODISCARD std::string * `release_buffer()`
- PROTOBUF_NODISCARD std::string * `release_description()`
- PROTOBUF_NODISCARD std::string * `release_json()`
- PROTOBUF_NODISCARD std::string * `release_key()`
- PROTOBUF_NODISCARD ::briar::BriarMatrix * `release_matrix()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media()`
- PROTOBUF_NODISCARD std::string * `release_pickle()`
- PROTOBUF_NODISCARD ::briar::BriarPoint2D * `release_point()`
- PROTOBUF_NODISCARD ::briar::BriarRect * `release_rect()`
- PROTOBUF_NODISCARD std::string * `release_text()`
- PROTOBUF_NODISCARD ::briar::BriarVector * `release_vector()`
- PROTOBUF_NODISCARD std::string * `release_xml()`
- void `set_allocated_buffer(std::string *buffer)`
- void `set_allocated_description(std::string *description)`

- void `set_allocated_json` (std::string *`json`)
- void `set_allocated_key` (std::string *`key`)
- void `set_allocated_matrix` (::briar::BriarMatrix *`matrix`)
- void `set_allocated_media` (::briar::BriarMedia *`media`)
- void `set_allocated_pickle` (std::string *`pickle`)
- void `set_allocated_point` (::briar::BriarPoint2D *`point`)
- void `set_allocated_rect` (::briar::BriarRect *`rect`)
- void `set_allocated_text` (std::string *`text`)
- void `set_allocated_vector` (::briar::BriarVector *`vector`)
- void `set_allocated_xml` (std::string *`xml`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_buffer` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_buffer` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_description` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_description` (ArgT0 &&arg0, ArgT... args)
- void `set_fvalue` (float value)
- void `set_ivalue` (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_json` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_json` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_key` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_key` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_pickle` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_pickle` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_text` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_text` (ArgT0 &&arg0, ArgT... args)
- void `set_type` (::briar::BriarDataType value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_xml` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_xml` (ArgT0 &&arg0, ArgT... args)
- void `Swap` (Attribute *other)
- const std::string & `text` () const
- ::briar::BriarDataType `type` () const
- ::briar::BriarMatrix * `unsafe_arena_release_matrix` ()
- ::briar::BriarMedia * `unsafe_arena_release_media` ()
- ::briar::BriarPoint2D * `unsafe_arena_release_point` ()
- ::briar::BriarRect * `unsafe_arena_release_rect` ()
- ::briar::BriarVector * `unsafe_arena_release_vector` ()
- void `unsafe_arena_set_allocated_matrix` (::briar::BriarMatrix *`matrix`)
- void `unsafe_arena_set_allocated_media` (::briar::BriarMedia *`media`)
- void `unsafe_arena_set_allocated_point` (::briar::BriarPoint2D *`point`)
- void `unsafe_arena_set_allocated_rect` (::briar::BriarRect *`rect`)
- void `unsafe_arena_set_allocated_vector` (::briar::BriarVector *`vector`)
- void `UnsafeArenaSwap` (Attribute *other)
- const ::briar::BriarVector & `vector` () const
- const std::string & `xml` () const
- `~Attribute` () override

Static Public Member Functions

- static const [Attribute & default_instance \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection \(\)](#)
- static const [Attribute * internal_default_instance \(\)](#)

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [Attribute \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap \(Attribute &a, Attribute &b\)](#)

7.105.1 Member Enumeration Documentation

7.105.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kKeyFieldNumber	
kDescriptionFieldNumber	
kBufferFieldNumber	
kTextFieldNumber	
kPickleFieldNumber	
kJsonFieldNumber	
kXmlFieldNumber	
kMatrixFieldNumber	
kVectorFieldNumber	
kMediaFieldNumber	
kPointFieldNumber	
kRectFieldNumber	
kValueFieldNumber	
kIvalueFieldNumber	
Generated by TypeFieldNumber	

7.105.2 Constructor & Destructor Documentation

7.105.2.1 Attribute() [1/5]

```
briar::Attribute::Attribute () [inline]
```

7.105.2.2 ~Attribute()

```
briar::Attribute::~Attribute () [override]
```

7.105.2.3 Attribute() [2/5]

```
PROTOBUF_CONSTEXPR briar::Attribute::Attribute (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.105.2.4 Attribute() [3/5]

```
briar::Attribute::Attribute (
    const Attribute & from )
```

7.105.2.5 Attribute() [4/5]

```
briar::Attribute::Attribute (
    Attribute && from ) [inline], [noexcept]
```

7.105.2.6 Attribute() [5/5]

```
briar::Attribute::Attribute (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.105.3 Member Function Documentation

7.105.3.1 _InternalParse()

```
const char * briar::Attribute::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.105.3.2 _InternalSerialize()

```
uint8_t * briar::Attribute::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.105.3.3 buffer()

```
const std::string & briar::Attribute::buffer () const [inline]
```

7.105.3.4 ByteSizeLong()

```
size_t briar::Attribute::ByteSizeLong () const [final]
```

7.105.3.5 Clear()

```
void briar::Attribute::Clear () [final]
```

7.105.3.6 clear_buffer()

```
void briar::Attribute::clear_buffer () [inline]
```

7.105.3.7 clear_description()

```
void briar::Attribute::clear_description () [inline]
```

7.105.3.8 clear_fvalue()

```
void briar::Attribute::clear_fvalue ( ) [inline]
```

7.105.3.9 clear_ivalue()

```
void briar::Attribute::clear_ivalue ( ) [inline]
```

7.105.3.10 clear_json()

```
void briar::Attribute::clear_json ( ) [inline]
```

7.105.3.11 clear_key()

```
void briar::Attribute::clear_key ( ) [inline]
```

7.105.3.12 clear_matrix()

```
void briar::Attribute::clear_matrix ( ) [inline]
```

7.105.3.13 clear_media()

```
void briar::Attribute::clear_media ( ) [inline]
```

7.105.3.14 clear_pickle()

```
void briar::Attribute::clear_pickle ( ) [inline]
```

7.105.3.15 clear_point()

```
void briar::Attribute::clear_point ( ) [inline]
```

7.105.3.16 clear_rect()

```
void briar::Attribute::clear_rect () [inline]
```

7.105.3.17 clear_text()

```
void briar::Attribute::clear_text () [inline]
```

7.105.3.18 clear_type()

```
void briar::Attribute::clear_type () [inline]
```

7.105.3.19 clear_vector()

```
void briar::Attribute::clear_vector () [inline]
```

7.105.3.20 clear_xml()

```
void briar::Attribute::clear_xml () [inline]
```

7.105.3.21 CopyFrom()

```
void briar::Attribute::CopyFrom (
    const Attribute & from )
```

7.105.3.22 default_instance()

```
static const Attribute& briar::Attribute::default_instance () [inline], [static]
```

7.105.3.23 description()

```
const std::string & briar::Attribute::description() const [inline]
```

7.105.3.24 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Attribute::descriptor() [inline],  
[static]
```

7.105.3.25 fvalue()

```
float briar::Attribute::fvalue() const [inline]
```

7.105.3.26 GetCachedSize()

```
int briar::Attribute::GetCachedSize() const [inline], [final]
```

7.105.3.27 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Attribute::GetClassData() const  
[final]
```

7.105.3.28 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Attribute::GetDescriptor() [inline],  
[static]
```

7.105.3.29 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Attribute::GetMetadata() const [final]
```

7.105.3.30 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Attribute::GetReflection() [inline],  
[static]
```

7.105.3.31 has_matrix()

```
bool briar::Attribute::has_matrix() const [inline]
```

7.105.3.32 has_media()

```
bool briar::Attribute::has_media() const [inline]
```

7.105.3.33 has_point()

```
bool briar::Attribute::has_point() const [inline]
```

7.105.3.34 has_rect()

```
bool briar::Attribute::has_rect() const [inline]
```

7.105.3.35 has_vector()

```
bool briar::Attribute::has_vector() const [inline]
```

7.105.3.36 internal_default_instance()

```
static const Attribute* briar::Attribute::internal_default_instance() [inline], [static]
```

7.105.3.37 IsInitialized()

```
bool briar::Attribute::IsInitialized ( ) const [final]
```

7.105.3.38 ivalue()

```
int32_t briar::Attribute::ivalue ( ) const [inline]
```

7.105.3.39 json()

```
const std::string & briar::Attribute::json ( ) const [inline]
```

7.105.3.40 key()

```
const std::string & briar::Attribute::key ( ) const [inline]
```

7.105.3.41 matrix()

```
const ::briar::BriarMatrix & briar::Attribute::matrix ( ) const [inline]
```

7.105.3.42 media()

```
const ::briar::BriarMedia & briar::Attribute::media ( ) const [inline]
```

7.105.3.43 MergeFrom()

```
void briar::Attribute::MergeFrom (
    const Attribute & from )
```

7.105.3.44 mutable_buffer()

```
std::string * briar::Attribute::mutable_buffer ( ) [inline]
```

7.105.3.45 mutable_description()

```
std::string * briar::Attribute::mutable_description ( ) [inline]
```

7.105.3.46 mutable_json()

```
std::string * briar::Attribute::mutable_json ( ) [inline]
```

7.105.3.47 mutable_key()

```
std::string * briar::Attribute::mutable_key ( ) [inline]
```

7.105.3.48 mutable_matrix()

```
briar::BriarMatrix * briar::Attribute::mutable_matrix ( ) [inline]
```

7.105.3.49 mutable_media()

```
briar::BriarMedia * briar::Attribute::mutable_media ( ) [inline]
```

7.105.3.50 mutable_pickle()

```
std::string * briar::Attribute::mutable_pickle ( ) [inline]
```

7.105.3.51 mutable_point()

```
briar::BriarPoint2D * briar::Attribute::mutable_point ( ) [inline]
```

7.105.3.52 `mutable_rect()`

```
briar::BriarRect * briar::Attribute::mutable_rect ( ) [inline]
```

7.105.3.53 `mutable_text()`

```
std::string * briar::Attribute::mutable_text ( ) [inline]
```

7.105.3.54 `mutable_vector()`

```
briar::BriarVector * briar::Attribute::mutable_vector ( ) [inline]
```

7.105.3.55 `mutable_xml()`

```
std::string * briar::Attribute::mutable_xml ( ) [inline]
```

7.105.3.56 `New()`

```
Attribute* briar::Attribute::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.105.3.57 `operator=() [1/2]`

```
Attribute& briar::Attribute::operator= (
    Attribute && from ) [inline], [noexcept]
```

7.105.3.58 `operator=() [2/2]`

```
Attribute& briar::Attribute::operator= (
    const Attribute & from ) [inline]
```

7.105.3.59 pickle()

```
const std::string & briar::Attribute::pickle () const [inline]
```

7.105.3.60 point()

```
const ::briar::BriarPoint2D & briar::Attribute::point () const [inline]
```

7.105.3.61 rect()

```
const ::briar::BriarRect & briar::Attribute::rect () const [inline]
```

7.105.3.62 release_buffer()

```
std::string * briar::Attribute::release_buffer () [inline]
```

7.105.3.63 release_description()

```
std::string * briar::Attribute::release_description () [inline]
```

7.105.3.64 release_json()

```
std::string * briar::Attribute::release_json () [inline]
```

7.105.3.65 release_key()

```
std::string * briar::Attribute::release_key () [inline]
```

7.105.3.66 release_matrix()

```
briar::BriarMatrix * briar::Attribute::release_matrix () [inline]
```

7.105.3.67 `release_media()`

```
briar::BriarMedia * briar::Attribute::release_media ( ) [inline]
```

7.105.3.68 `release_pickle()`

```
std::string * briar::Attribute::release_pickle ( ) [inline]
```

7.105.3.69 `release_point()`

```
briar::BriarPoint2D * briar::Attribute::release_point ( ) [inline]
```

7.105.3.70 `release_rect()`

```
briar::BriarRect * briar::Attribute::release_rect ( ) [inline]
```

7.105.3.71 `release_text()`

```
std::string * briar::Attribute::release_text ( ) [inline]
```

7.105.3.72 `release_vector()`

```
briar::BriarVector * briar::Attribute::release_vector ( ) [inline]
```

7.105.3.73 `release_xml()`

```
std::string * briar::Attribute::release_xml ( ) [inline]
```

7.105.3.74 `set_allocated_buffer()`

```
void briar::Attribute::set_allocated_buffer (
    std::string * buffer ) [inline]
```

7.105.3.75 set_allocated_description()

```
void briar::Attribute::set_allocated_description (
    std::string * description ) [inline]
```

7.105.3.76 set_allocated_json()

```
void briar::Attribute::set_allocated_json (
    std::string * json ) [inline]
```

7.105.3.77 set_allocated_key()

```
void briar::Attribute::set_allocated_key (
    std::string * key ) [inline]
```

7.105.3.78 set_allocated_matrix()

```
void briar::Attribute::set_allocated_matrix (
    ::briar::BriarMatrix * matrix ) [inline]
```

7.105.3.79 set_allocated_media()

```
void briar::Attribute::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.105.3.80 set_allocated_pickle()

```
void briar::Attribute::set_allocated_pickle (
    std::string * pickle ) [inline]
```

7.105.3.81 set_allocated_point()

```
void briar::Attribute::set_allocated_point (
    ::briar::BriarPoint2D * point ) [inline]
```

7.105.3.82 set_allocated_rect()

```
void briar::Attribute::set_allocated_rect (
    ::briar::BriarRect * rect ) [inline]
```

7.105.3.83 set_allocated_text()

```
void briar::Attribute::set_allocated_text (
    std::string * text ) [inline]
```

7.105.3.84 set_allocated_vector()

```
void briar::Attribute::set_allocated_vector (
    ::briar::BriarVector * vector ) [inline]
```

7.105.3.85 set_allocated_xml()

```
void briar::Attribute::set_allocated_xml (
    std::string * xml ) [inline]
```

7.105.3.86 set_buffer() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_buffer (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.87 set_buffer() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_buffer (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.88 set_description() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_description (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.89 set_description() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_description (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.90 set_fvalue()

```
void briar::Attribute::set_fvalue (
    float value ) [inline]
```

7.105.3.91 set_ivalue()

```
void briar::Attribute::set_ivalue (
    int32_t value ) [inline]
```

7.105.3.92 set_json() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_json (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.93 set_json() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_json (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.94 set_key() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_key (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.95 set_key() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_key (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.96 set_pickle() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_pickle (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.97 set_pickle() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_pickle (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.98 set_text() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_text (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.99 set_text() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_text (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.100 set_type()

```
void briar::Attribute::set_type (
    ::briar::BriarDataType value ) [inline]
```

7.105.3.101 set_xml() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Attribute::set_xml (
    ArgT0 && arg0,
    ArgT... args )
```

7.105.3.102 set_xml() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Attribute::set_xml (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.105.3.103 Swap()

```
void briar::Attribute::Swap (
    Attribute * other ) [inline]
```

7.105.3.104 text()

```
const std::string & briar::Attribute::text ( ) const [inline]
```

7.105.3.105 type()

```
briar::BriarDataType briar::Attribute::type ( ) const [inline]
```

7.105.3.106 unsafe_arena_release_matrix()

```
briar::BriarMatrix * briar::Attribute::unsafe_arena_release_matrix ( ) [inline]
```

7.105.3.107 unsafe_arena_release_media()

```
briar::BriarMedia * briar::Attribute::unsafe_arena_release_media ( ) [inline]
```

7.105.3.108 unsafe_arena_release_point()

```
briar::BriarPoint2D * briar::Attribute::unsafe_arena_release_point ( ) [inline]
```

7.105.3.109 unsafe_arena_release_rect()

```
briar::BriarRect * briar::Attribute::unsafe_arena_release_rect ( ) [inline]
```

7.105.3.110 unsafe_arena_release_vector()

```
briar::BriarVector * briar::Attribute::unsafe_arena_release_vector ( ) [inline]
```

7.105.3.111 unsafe_arena_set_allocated_matrix()

```
void briar::Attribute::unsafe_arena_set_allocated_matrix (
    ::briar::BriarMatrix * matrix ) [inline]
```

7.105.3.112 unsafe_arena_set_allocated_media()

```
void briar::Attribute::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.105.3.113 unsafe_arena_set_allocated_point()

```
void briar::Attribute::unsafe_arena_set_allocated_point (
    ::briar::BriarPoint2D * point ) [inline]
```

7.105.3.114 unsafe_arena_set_allocated_rect()

```
void briar::Attribute::unsafe_arena_set_allocated_rect (
    ::briar::BriarRect * rect ) [inline]
```

7.105.3.115 unsafe_arena_set_allocated_vector()

```
void briar::Attribute::unsafe_arena_set_allocated_vector (
    ::briar::BriarVector * vector ) [inline]
```

7.105.3.116 UnsafeArenaSwap()

```
void briar::Attribute::UnsafeArenaSwap (
    Attribute * other ) [inline]
```

7.105.3.117 vector()

```
const ::briar::BriarVector & briar::Attribute::vector ( ) const [inline]
```

7.105.3.118 xml()

```
const std::string & briar::Attribute::xml ( ) const [inline]
```

7.105.4 Friends And Related Function Documentation**7.105.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.105.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.105.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.105.4.4 swap

```
void swap (
    Attribute & a,
    Attribute & b ) [friend]
```

7.105.5 Member Data Documentation

7.105.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Attribute::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    Attribute::MergeImpl
}
```

7.105.5.2 kIndexInFileMessages

```
constexpr int briar::Attribute::kIndexInFileMessages [static], [constexpr]
```

Initial value:

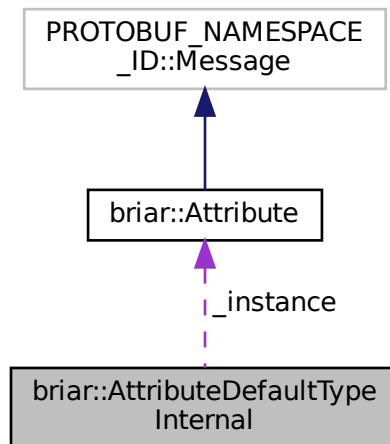
```
= 14
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.106 briar::AttributeDefaultTypeInternal Struct Reference

Collaboration diagram for briar::AttributeDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR AttributeDefaultTypeInternal ()
- [~AttributeDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 Attribute _instance
};

7.106.1 Constructor & Destructor Documentation

7.106.1.1 AttributeDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::AttributeDefaultTypeInternal::AttributeDefaultTypeInternal() [inline]
```

7.106.1.2 ~AttributeDefaultTypeInternal()

```
briar::AttributeDefaultTypeInternal::~AttributeDefaultTypeInternal () [inline]
```

7.106.2 Member Data Documentation

7.106.2.1

```
union { ... }
```

7.106.2.2 _instance

```
Attribute briar::AttributeDefaultTypeInternal::_instance
```

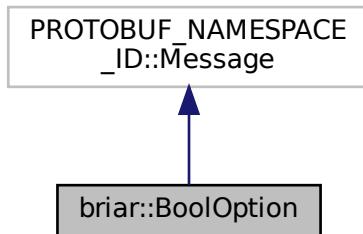
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

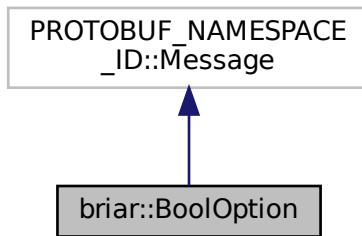
7.107 briar::BoolOption Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BoolOption:



Collaboration diagram for briar::BoolOption:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kOverrideDefaultFieldNumber](#) = 1 , [kValueFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BoolOption](#) ()
- PROTOBUF_CONSTEXPR [BoolOption](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BoolOption](#) ([BoolOption](#) &&from) noexcept
- [BoolOption](#) (const [BoolOption](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_override_default](#) ()
- void [clear_value](#) ()
- void [CopyFrom](#) (const [BoolOption](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BoolOption](#) &from)
- [BoolOption](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BoolOption](#) & [operator=](#) ([BoolOption](#) &&from) noexcept
- [BoolOption](#) & [operator=](#) (const [BoolOption](#) &from)
- bool [override_default](#) () const
- void [set_override_default](#) (bool [value](#))
- void [set_value](#) (bool [value](#))
- void [Swap](#) ([BoolOption](#) *other)
- void [UnsafeArenaSwap](#) ([BoolOption](#) *other)
- bool [value](#) () const
- [~BoolOption](#) () override

Static Public Member Functions

- static const `BoolOption & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `BoolOption * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `BoolOption (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto`
- void `swap (BoolOption &a, BoolOption &b)`

7.107.1 Member Enumeration Documentation

7.107.1.1 anonymous enum

`anonymous enum : int`

Enumerator

<code>kOverrideDefaultFieldNumber</code>	
<code>kValueFieldNumber</code>	

7.107.2 Constructor & Destructor Documentation

7.107.2.1 `BoolOption()` [1/5]

`briar::BoolOption::BoolOption () [inline]`

7.107.2.2 ~BoolOption()

```
briar::BoolOption::~BoolOption ( ) [override]
```

7.107.2.3 BoolOption() [2/5]

```
PROTOBUF_CONSTEXPR briar::BoolOption::BoolOption (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.107.2.4 BoolOption() [3/5]

```
briar::BoolOption::BoolOption (
    const BoolOption & from )
```

7.107.2.5 BoolOption() [4/5]

```
briar::BoolOption::BoolOption (
    BoolOption && from ) [inline], [noexcept]
```

7.107.2.6 BoolOption() [5/5]

```
briar::BoolOption::BoolOption (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.107.3 Member Function Documentation

7.107.3.1 _InternalParse()

```
const char * briar::BoolOption::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.107.3.2 `_InternalSerialize()`

```
uint8_t * briar::BoolOption::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.107.3.3 `ByteSizeLong()`

```
size_t briar::BoolOption::ByteSizeLong ( ) const [final]
```

7.107.3.4 `Clear()`

```
void briar::BoolOption::Clear ( ) [final]
```

7.107.3.5 `clear_override_default()`

```
void briar::BoolOption::clear_override_default ( ) [inline]
```

7.107.3.6 `clear_value()`

```
void briar::BoolOption::clear_value ( ) [inline]
```

7.107.3.7 `CopyFrom()`

```
void briar::BoolOption::CopyFrom (
    const BoolOption & from )
```

7.107.3.8 `default_instance()`

```
static const BoolOption& briar::BoolOption::default_instance ( ) [inline], [static]
```

7.107.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BoolOption::descriptor () [inline],  
[static]
```

7.107.3.10 GetCachedSize()

```
int briar::BoolOption::GetCachedSize () const [inline], [final]
```

7.107.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BoolOption::GetClassData () const  
[final]
```

7.107.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BoolOption::GetDescriptor () [inline],  
[static]
```

7.107.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BoolOption::GetMetadata () const [final]
```

7.107.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BoolOption::GetReflection () [inline],  
[static]
```

7.107.3.15 internal_default_instance()

```
static const BoolOption* briar::BoolOption::internal_default_instance () [inline], [static]
```

7.107.3.16 IsInitialized()

```
bool briar::BoolOption::IsInitialized ( ) const [final]
```

7.107.3.17 MergeFrom()

```
void briar::BoolOption::MergeFrom (
    const BoolOption & from )
```

7.107.3.18 New()

```
BoolOption* briar::BoolOption::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.107.3.19 operator=() [1/2]

```
BoolOption& briar::BoolOption::operator= (
    BoolOption && from ) [inline], [noexcept]
```

7.107.3.20 operator=() [2/2]

```
BoolOption& briar::BoolOption::operator= (
    const BoolOption & from ) [inline]
```

7.107.3.21 override_default()

```
bool briar::BoolOption::override_default ( ) const [inline]
```

7.107.3.22 set_override_default()

```
void briar::BoolOption::set_override_default (
    bool value ) [inline]
```

7.107.3.23 set_value()

```
void briar::BoolOption::set_value (
    bool value ) [inline]
```

7.107.3.24 Swap()

```
void briar::BoolOption::Swap (
    BoolOption * other ) [inline]
```

7.107.3.25 UnsafeArenaSwap()

```
void briar::BoolOption::UnsafeArenaSwap (
    BoolOption * other ) [inline]
```

7.107.3.26 value()

```
bool briar::BoolOption::value ( ) const [inline]
```

7.107.4 Friends And Related Function Documentation

7.107.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.107.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.107.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.107.4.4 swap

```
void swap (
    BoolOption & a,
    BoolOption & b ) [friend]
```

7.107.5 Member Data Documentation

7.107.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BoolOption::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BoolOption::MergeImpl
}
```

7.107.5.2 kIndexInFileMessages

```
constexpr int briar::BoolOption::kIndexInFileMessages [static], [constexpr]
```

Initial value:

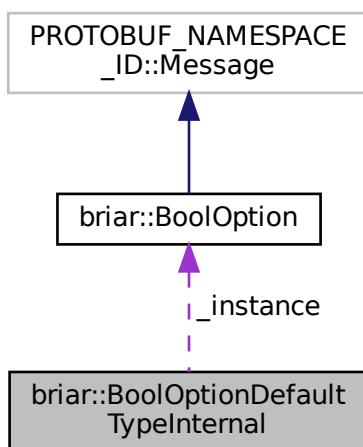
```
= 2
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.108 briar::BoolOptionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BoolOptionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BoolOptionDefaultTypeInternal ()
- ~BoolOptionDefaultTypeInternal ()

Public Attributes

- union {
 BoolOption _instance
};

7.108.1 Constructor & Destructor Documentation

7.108.1.1 BoolOptionDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BoolOptionDefaultTypeInternal::BoolOptionDefaultTypeInternal ( )  
[inline]
```

7.108.1.2 ~BoolOptionDefaultTypeInternal()

```
briar::BoolOptionDefaultTypeInternal::~BoolOptionDefaultTypeInternal ( ) [inline]
```

7.108.2 Member Data Documentation

7.108.2.1

```
union { ... }
```

7.108.2.2 _instance

```
BoolOption briar::BoolOptionDefaultTypeInternal::_instance
```

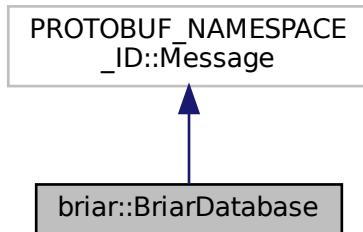
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

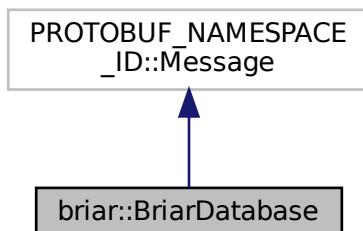
7.109 briar::BriarDatabase Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDatabase:



Collaboration diagram for briar::BriarDatabase:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kNameFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarDatabase](#) ()
- PROTOBUF_CONSTEXPR [BriarDatabase](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarDatabase](#) ([BriarDatabase](#) &&from) noexcept
- [BriarDatabase](#) (const [BriarDatabase](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_name](#) ()
- void [CopyFrom](#) (const [BriarDatabase](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarDatabase](#) &from)
- std::string * [mutable_name](#) ()
- const std::string & [name](#) () const
- [BriarDatabase](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarDatabase](#) & [operator=](#) ([BriarDatabase](#) &&from) noexcept
- [BriarDatabase](#) & [operator=](#) (const [BriarDatabase](#) &from)
- PROTOBUF_NODISCARD std::string * [release_name](#) ()
- void [set_allocated_name](#) (std::string *name)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_name](#) (ArgT0 &&arg0, ArgT... args)
- void [Swap](#) ([BriarDatabase](#) *other)
- void [UnsafeArenaSwap](#) ([BriarDatabase](#) *other)
- [~BriarDatabase](#) () override

Static Public Member Functions

- static const [BriarDatabase](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarDatabase](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarDatabase](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (BriarDatabase &a, BriarDatabase &b)

7.109.1 Member Enumeration Documentation

7.109.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kNameFieldNumber	
------------------	--

7.109.2 Constructor & Destructor Documentation

7.109.2.1 BriarDatabase() [1/5]

```
briar::BriarDatabase::BriarDatabase ( ) [inline]
```

7.109.2.2 ~BriarDatabase()

```
briar::BriarDatabase::~BriarDatabase ( ) [override]
```

7.109.2.3 BriarDatabase() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarDatabase::BriarDatabase (   
  ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.109.2.4 BriarDatabase() [3/5]

```
briar::BriarDatabase::BriarDatabase (
    const BriarDatabase & from )
```

7.109.2.5 BriarDatabase() [4/5]

```
briar::BriarDatabase::BriarDatabase (
    BriarDatabase && from ) [inline], [noexcept]
```

7.109.2.6 BriarDatabase() [5/5]

```
briar::BriarDatabase::BriarDatabase (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.109.3 Member Function Documentation

7.109.3.1 _InternalParse()

```
const char * briar::BriarDatabase::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.109.3.2 _InternalSerialize()

```
uint8_t * briar::BriarDatabase::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.109.3.3 ByteSizeLong()

```
size_t briar::BriarDatabase::ByteSizeLong ( ) const [final]
```

7.109.3.4 **Clear()**

```
void briar::BriarDatabase::Clear ( ) [final]
```

7.109.3.5 **clear_name()**

```
void briar::BriarDatabase::clear_name ( ) [inline]
```

7.109.3.6 **CopyFrom()**

```
void briar::BriarDatabase::CopyFrom (
    const BriarDatabase & from )
```

7.109.3.7 **default_instance()**

```
static const BriarDatabase& briar::BriarDatabase::default_instance ( ) [inline], [static]
```

7.109.3.8 **descriptor()**

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDatabase::descriptor ( ) [inline], [static]
```

7.109.3.9 **GetCachedSize()**

```
int briar::BriarDatabase::GetCachedSize ( ) const [inline], [final]
```

7.109.3.10 **GetClassData()**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarDatabase::GetClassData ( )
const [final]
```

7.109.3.11 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDatabase::GetDescriptor ( )  
[inline], [static]
```

7.109.3.12 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDatabase::GetMetadata ( ) const [final]
```

7.109.3.13 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarDatabase::GetReflection ( )  
[inline], [static]
```

7.109.3.14 internal_default_instance()

```
static const BriarDatabase* briar::BriarDatabase::internal_default_instance ( ) [inline],  
[static]
```

7.109.3.15 IsInitialized()

```
bool briar::BriarDatabase::IsInitialized ( ) const [final]
```

7.109.3.16 MergeFrom()

```
void briar::BriarDatabase::MergeFrom (const BriarDatabase & from)
```

7.109.3.17 mutable_name()

```
std::string * briar::BriarDatabase::mutable_name ( ) [inline]
```

7.109.3.18 name()

```
const std::string & briar::BriarDatabase::name ( ) const [inline]
```

7.109.3.19 New()

```
BriarDatabase* briar::BriarDatabase::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.109.3.20 operator=() [1/2]

```
BriarDatabase& briar::BriarDatabase::operator= (
    BriarDatabase && from ) [inline], [noexcept]
```

7.109.3.21 operator=() [2/2]

```
BriarDatabase& briar::BriarDatabase::operator= (
    const BriarDatabase & from ) [inline]
```

7.109.3.22 release_name()

```
std::string * briar::BriarDatabase::release_name ( ) [inline]
```

7.109.3.23 set_allocated_name()

```
void briar::BriarDatabase::set_allocated_name (
    std::string * name ) [inline]
```

7.109.3.24 set_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarDatabase::set_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.109.3.25 set_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarDatabase::set_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.109.3.26 Swap()

```
void briar::BriarDatabase::Swap (
    BriarDatabase * other ) [inline]
```

7.109.3.27 UnsafeArenaSwap()

```
void briar::BriarDatabase::UnsafeArenaSwap (
    BriarDatabase * other ) [inline]
```

7.109.4 Friends And Related Function Documentation

7.109.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.109.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.109.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.109.4.4 swap

```
void swap (
    BriarDatabase & a,
    BriarDatabase & b ) [friend]
```

7.109.5 Member Data Documentation

7.109.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarDatabase::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarDatabase::MergeImpl
}
```

7.109.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarDatabase::kIndexInFileMessages [static], [constexpr]
```

Initial value:

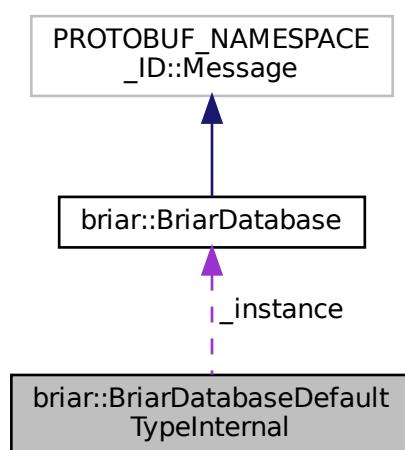
```
= 37
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.110 briar::BriarDatabaseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDatabaseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDatabaseDefaultTypeInternal ()
- ~BriarDatabaseDefaultTypeInternal ()

Public Attributes

- union {
 BriarDatabase _instance
};

7.110.1 Constructor & Destructor Documentation

7.110.1.1 BriarDatabaseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDatabaseDefaultTypeInternal::BriarDatabaseDefaultTypeInternal ( ) [inline]
```

7.110.1.2 ~BriarDatabaseDefaultTypeInternal()

```
briar::BriarDatabaseDefaultTypeInternal::~BriarDatabaseDefaultTypeInternal ( ) [inline]
```

7.110.2 Member Data Documentation

7.110.2.1

```
union { ... }
```

7.110.2.2 _instance

```
BriarDatabase briar::BriarDatabaseDefaultTypeInternal::_instance
```

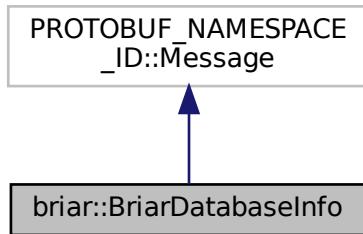
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

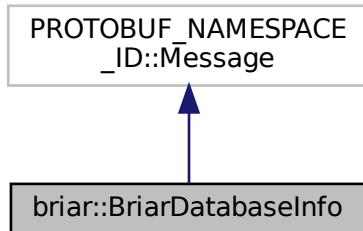
7.111 briar::BriarDatabaseInfo Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDatabaseInfo:



Collaboration diagram for briar::BriarDatabaseInfo:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kModalitiesFieldNumber](#) = 9 , [kAttributesFieldNumber](#) = 10 , [kEntryIdsFieldNumber](#) = 11 , [kTemplatesPerEntryFieldNumber](#) = 12 ,
 [kEntrySizesFieldNumber](#) = 13 , [kNameFieldNumber](#) = 1 , [kEntryCountFieldNumber](#) = 2 , [kTemplateCountFieldNumber](#) = 3 ,
 [kFailedEnrollmentCountFieldNumber](#) = 4 , [kTotalDatabaseSizeFieldNumber](#) = 5 , [kAverageEntrySizeFieldNumber](#) = 6 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- std::string * [add_entry_ids](#) ()
- void [add_entry_ids](#) (const char *value)
- void [add_entry_ids](#) (const char *value, size_t size)
- void [add_entry_ids](#) (const std::string &value)
- void [add_entry_ids](#) (std::string &&value)
- void [add_entry_sizes](#) (float value)
- void [add_modalities](#) (::briar::BiometricModality value)
- void [add_templates_per_entry](#) (int32_t value)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- float [average_entry_size](#) () const
- [BriarDatabaseInfo](#) ()
- PROTOBUF_CONSTEXPR [BriarDatabaseInfo](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>)
- [BriarDatabaseInfo](#) ([BriarDatabaseInfo](#) &&from) noexcept
- [BriarDatabaseInfo](#) (const [BriarDatabaseInfo](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_attributes](#) ()
- void [clear_average_entry_size](#) ()
- void [clear_entry_count](#) ()
- void [clear_entry_ids](#) ()
- void [clear_entry_sizes](#) ()
- void [clear_failed_enrollment_count](#) ()
- void [clear_modalities](#) ()
- void [clear_name](#) ()
- void [clear_template_count](#) ()
- void [clear_templates_per_entry](#) ()
- void [clear_total_database_size](#) ()
- void [CopyFrom](#) (const [BriarDatabaseInfo](#) &from)
- int64_t [entry_count](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & [entry_ids](#) () const
- const std::string & [entry_ids](#) (int index) const
- int [entry_ids_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< float > & [entry_sizes](#) () const
- float [entry_sizes](#) (int index) const
- int [entry_sizes_size](#) () const
- int64_t [failed_enrollment_count](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarDatabaseInfo](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int > & [modalities](#) () const
- ::briar::BiometricModality [modalities](#) (int index) const
- int [modalities_size](#) () const
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()

- `::briar::Attribute * mutable_attributes (int index)`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * mutable_entry_ids ()`
- `std::string * mutable_entry_ids (int index)`
- `::PROTOBUF_NAMESPACE_ID::RepeatedField< float > * mutable_entry_sizes ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedField< int > * mutable_modalities ()`
- `std::string * mutable_name ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * mutable_templates_per_entry ()`
- `const std::string & name () const`
- `BriarDatabaseInfo * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `BriarDatabaseInfo & operator= (BriarDatabaseInfo &&from) noexcept`
- `BriarDatabaseInfo & operator= (const BriarDatabaseInfo &from)`
- `PROTOBUF_NODISCARD std::string * release_name ()`
- `void set_allocated_name (std::string *name)`
- `void set_average_entry_size (float value)`
- `void set_entry_count (int64_t value)`
- `void set_entry_ids (int index, const char *value)`
- `void set_entry_ids (int index, const char *value, size_t size)`
- `void set_entry_ids (int index, const std::string &value)`
- `void set_entry_ids (int index, std::string &&value)`
- `void set_entry_sizes (int index, float value)`
- `void set_failed_enrollment_count (int64_t value)`
- `void set_modalities (int index, ::briar::BiometricModality value)`
- `template<typename ArgT0 = const std::string&, typename... ArgT>`
`void set_name (ArgT0 &&arg0, ArgT... args)`
- `template<typename ArgT0 , typename... ArgT>`
`PROTOBUF_ALWAYS_INLINE void set_name (ArgT0 &&arg0, ArgT... args)`
- `void set_template_count (int64_t value)`
- `void set_templates_per_entry (int index, int32_t value)`
- `void set_total_database_size (float value)`
- `void Swap (BriarDatabaseInfo *other)`
- `int64_t template_count () const`
- `const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & templates_per_entry () const`
- `int32_t templates_per_entry (int index) const`
- `int templates_per_entry_size () const`
- `float total_database_size () const`
- `void UnsafeArenaSwap (BriarDatabaseInfo *other)`
- `~BriarDatabaseInfo () override`

Static Public Member Functions

- `static const BriarDatabaseInfo & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const BriarDatabaseInfo * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- [BriarDatabaseInfo \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap \(BriarDatabaseInfo &a, BriarDatabaseInfo &b\)](#)

7.111.1 Member Enumeration Documentation

7.111.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kModalitiesFieldNumber	
kAttributesFieldNumber	
kEntryIdsFieldNumber	
kTemplatesPerEntryFieldNumber	
kEntrySizesFieldNumber	
kNameFieldNumber	
kEntryCountFieldNumber	
kTemplateCountFieldNumber	
kFailedEnrollmentCountFieldNumber	
kTotalDatabaseSizeFieldNumber	
kAverageEntrySizeFieldNumber	

7.111.2 Constructor & Destructor Documentation

7.111.2.1 BriarDatabaseInfo() [1/5]

```
briar::BriarDatabaseInfo::BriarDatabaseInfo ( ) [inline]
```

7.111.2.2 ~BriarDatabaseInfo()

```
briar::BriarDatabaseInfo::~BriarDatabaseInfo () [override]
```

7.111.2.3 BriarDatabaseInfo() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarDatabaseInfo::BriarDatabaseInfo (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.111.2.4 BriarDatabaseInfo() [3/5]

```
briar::BriarDatabaseInfo::BriarDatabaseInfo (
    const BriarDatabaseInfo & from )
```

7.111.2.5 BriarDatabaseInfo() [4/5]

```
briar::BriarDatabaseInfo::BriarDatabaseInfo (
    BriarDatabaseInfo && from ) [inline], [noexcept]
```

7.111.2.6 BriarDatabaseInfo() [5/5]

```
briar::BriarDatabaseInfo::BriarDatabaseInfo (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.111.3 Member Function Documentation

7.111.3.1 _InternalParse()

```
const char * briar::BriarDatabaseInfo::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.111.3.2 `_InternalSerialize()`

```
uint8_t * briar::BriarDatabaseInfo::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.111.3.3 `add_attributes()`

```
briar::Attribute * briar::BriarDatabaseInfo::add_attributes () [inline]
```

7.111.3.4 `add_entry_ids()` [1/5]

```
std::string * briar::BriarDatabaseInfo::add_entry_ids () [inline]
```

7.111.3.5 `add_entry_ids()` [2/5]

```
void briar::BriarDatabaseInfo::add_entry_ids (
    const char * value ) [inline]
```

7.111.3.6 `add_entry_ids()` [3/5]

```
void briar::BriarDatabaseInfo::add_entry_ids (
    const char * value,
    size_t size ) [inline]
```

7.111.3.7 `add_entry_ids()` [4/5]

```
void briar::BriarDatabaseInfo::add_entry_ids (
    const std::string & value ) [inline]
```

7.111.3.8 `add_entry_ids()` [5/5]

```
void briar::BriarDatabaseInfo::add_entry_ids (
    std::string && value ) [inline]
```

7.111.3.9 add_entry_sizes()

```
void briar::BriarDatabaseInfo::add_entry_sizes (
    float value ) [inline]
```

7.111.3.10 add_modalities()

```
void briar::BriarDatabaseInfo::add_modalities (
    ::briar::BiometricModality value ) [inline]
```

7.111.3.11 add_templates_per_entry()

```
void briar::BriarDatabaseInfo::add_templates_per_entry (
    int32_t value ) [inline]
```

7.111.3.12 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::BriarDatabaseInfo::attributes () const [inline]
```

7.111.3.13 attributes() [2/2]

```
const ::briar::Attribute & briar::BriarDatabaseInfo::attributes (
    int index ) const [inline]
```

7.111.3.14 attributes_size()

```
int briar::BriarDatabaseInfo::attributes_size () const [inline]
```

7.111.3.15 average_entry_size()

```
float briar::BriarDatabaseInfo::average_entry_size () const [inline]
```

7.111.3.16 ByteSizeLong()

```
size_t briar::BriarDatabaseInfo::ByteSizeLong ( ) const [final]
```

7.111.3.17 Clear()

```
void briar::BriarDatabaseInfo::Clear ( ) [final]
```

7.111.3.18 clear_attributes()

```
void briar::BriarDatabaseInfo::clear_attributes ( ) [inline]
```

7.111.3.19 clear_average_entry_size()

```
void briar::BriarDatabaseInfo::clear_average_entry_size ( ) [inline]
```

7.111.3.20 clear_entry_count()

```
void briar::BriarDatabaseInfo::clear_entry_count ( ) [inline]
```

7.111.3.21 clear_entry_ids()

```
void briar::BriarDatabaseInfo::clear_entry_ids ( ) [inline]
```

7.111.3.22 clear_entry_sizes()

```
void briar::BriarDatabaseInfo::clear_entry_sizes ( ) [inline]
```

7.111.3.23 clear_failed_enrollment_count()

```
void briar::BriarDatabaseInfo::clear_failed_enrollment_count ( ) [inline]
```

7.111.3.24 clear_modalities()

```
void briar::BriarDatabaseInfo::clear_modalities ( ) [inline]
```

7.111.3.25 clear_name()

```
void briar::BriarDatabaseInfo::clear_name ( ) [inline]
```

7.111.3.26 clear_template_count()

```
void briar::BriarDatabaseInfo::clear_template_count ( ) [inline]
```

7.111.3.27 clear_templates_per_entry()

```
void briar::BriarDatabaseInfo::clear_templates_per_entry ( ) [inline]
```

7.111.3.28 clear_total_database_size()

```
void briar::BriarDatabaseInfo::clear_total_database_size ( ) [inline]
```

7.111.3.29 CopyFrom()

```
void briar::BriarDatabaseInfo::CopyFrom (
    const BriarDatabaseInfo & from )
```

7.111.3.30 default_instance()

```
static const BriarDatabaseInfo& briar::BriarDatabaseInfo::default_instance ( ) [inline],
[static]
```

7.111.3.31 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDatabaseInfo::descriptor ( )  
[inline], [static]
```

7.111.3.32 entry_count()

```
int64_t briar::BriarDatabaseInfo::entry_count ( ) const [inline]
```

7.111.3.33 entry_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarDatabaseInfo::entry_ids ( ) const [inline]
```

7.111.3.34 entry_ids() [2/2]

```
const std::string & briar::BriarDatabaseInfo::entry_ids ( int index ) const [inline]
```

7.111.3.35 entry_ids_size()

```
int briar::BriarDatabaseInfo::entry_ids_size ( ) const [inline]
```

7.111.3.36 entry_sizes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< float > & briar::BriarDatabaseInfo::entry_sizes ( ) const [inline]
```

7.111.3.37 entry_sizes() [2/2]

```
float briar::BriarDatabaseInfo::entry_sizes ( int index ) const [inline]
```

7.111.3.38 entry_sizes_size()

```
int briar::BriarDatabaseInfo::entry_sizes_size () const [inline]
```

7.111.3.39 failed_enrollment_count()

```
int64_t briar::BriarDatabaseInfo::failed_enrollment_count () const [inline]
```

7.111.3.40 GetCachedSize()

```
int briar::BriarDatabaseInfo::GetCachedSize () const [inline], [final]
```

7.111.3.41 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarDatabaseInfo::GetClassData () const [final]
```

7.111.3.42 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDatabaseInfo::GetDescriptor () [inline], [static]
```

7.111.3.43 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDatabaseInfo::GetMetadata () const [final]
```

7.111.3.44 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarDatabaseInfo::GetReflection () [inline], [static]
```

7.111.3.45 internal_default_instance()

```
static const BriarDatabaseInfo* briar::BriarDatabaseInfo::internal_default_instance ( ) [inline],  
[static]
```

7.111.3.46 IsInitialized()

```
bool briar::BriarDatabaseInfo::IsInitialized ( ) const [final]
```

7.111.3.47 MergeFrom()

```
void briar::BriarDatabaseInfo::MergeFrom (const BriarDatabaseInfo & from)
```

7.111.3.48 modalities() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int > & briar::BriarDatabaseInfo::modalities ( )  
const [inline]
```

7.111.3.49 modalities() [2/2]

```
briar::BiometricModality briar::BriarDatabaseInfo::modalities (int index) const [inline]
```

7.111.3.50 modalities_size()

```
int briar::BriarDatabaseInfo::modalities_size ( ) const [inline]
```

7.111.3.51 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::BriarDatabaseInfo::mutable_attributes ( ) [inline]
```

7.111.3.52 `mutable_attributes()` [2/2]

```
briar::Attribute * briar::BriarDatabaseInfo::mutable_attributes (
    int index ) [inline]
```

7.111.3.53 `mutable_entry_ids()` [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarDatabaseInfo::mutable_<-
entry_ids ( ) [inline]
```

7.111.3.54 `mutable_entry_ids()` [2/2]

```
std::string * briar::BriarDatabaseInfo::mutable_entry_ids (
    int index ) [inline]
```

7.111.3.55 `mutable_entry_sizes()`

```
PROTOBUF_NAMESPACE_ID::RepeatedField< float > * briar::BriarDatabaseInfo::mutable_entry_sizes
( ) [inline]
```

7.111.3.56 `mutable_modalities()`

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int > * briar::BriarDatabaseInfo::mutable_modalities ( )
[inline]
```

7.111.3.57 `mutable_name()`

```
std::string * briar::BriarDatabaseInfo::mutable_name ( ) [inline]
```

7.111.3.58 `mutable_templates_per_entry()`

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * briar::BriarDatabaseInfo::mutable_templates<-
_per_entry ( ) [inline]
```

7.111.3.59 name()

```
const std::string & briar::BriarDatabaseInfo::name ( ) const [inline]
```

7.111.3.60 New()

```
BriarDatabaseInfo* briar::BriarDatabaseInfo::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.111.3.61 operator=() [1/2]

```
BriarDatabaseInfo& briar::BriarDatabaseInfo::operator= (  
    BriarDatabaseInfo && from ) [inline], [noexcept]
```

7.111.3.62 operator=() [2/2]

```
BriarDatabaseInfo& briar::BriarDatabaseInfo::operator= (  
    const BriarDatabaseInfo & from ) [inline]
```

7.111.3.63 release_name()

```
std::string * briar::BriarDatabaseInfo::release_name ( ) [inline]
```

7.111.3.64 set_allocated_name()

```
void briar::BriarDatabaseInfo::set_allocated_name (   
    std::string * name ) [inline]
```

7.111.3.65 set_average_entry_size()

```
void briar::BriarDatabaseInfo::set_average_entry_size (   
    float value ) [inline]
```

7.111.3.66 set_entry_count()

```
void briar::BriarDatabaseInfo::set_entry_count (
    int64_t value ) [inline]
```

7.111.3.67 set_entry_ids() [1/4]

```
void briar::BriarDatabaseInfo::set_entry_ids (
    int index,
    const char * value ) [inline]
```

7.111.3.68 set_entry_ids() [2/4]

```
void briar::BriarDatabaseInfo::set_entry_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.111.3.69 set_entry_ids() [3/4]

```
void briar::BriarDatabaseInfo::set_entry_ids (
    int index,
    const std::string & value ) [inline]
```

7.111.3.70 set_entry_ids() [4/4]

```
void briar::BriarDatabaseInfo::set_entry_ids (
    int index,
    std::string && value ) [inline]
```

7.111.3.71 set_entry_sizes()

```
void briar::BriarDatabaseInfo::set_entry_sizes (
    int index,
    float value ) [inline]
```

7.111.3.72 set_failed_enrollment_count()

```
void briar::BriarDatabaseInfo::set_failed_enrollment_count (
    int64_t value ) [inline]
```

7.111.3.73 set_modalities()

```
void briar::BriarDatabaseInfo::set_modalities (
    int index,
    ::briar::BiometricModality value ) [inline]
```

7.111.3.74 set_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarDatabaseInfo::set_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.111.3.75 set_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarDatabaseInfo::set_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.111.3.76 set_template_count()

```
void briar::BriarDatabaseInfo::set_template_count (
    int64_t value ) [inline]
```

7.111.3.77 set_templates_per_entry()

```
void briar::BriarDatabaseInfo::set_templates_per_entry (
    int index,
    int32_t value ) [inline]
```

7.111.3.78 set_total_database_size()

```
void briar::BriarDatabaseInfo::set_total_database_size (
    float value ) [inline]
```

7.111.3.79 Swap()

```
void briar::BriarDatabaseInfo::Swap (
    BriarDatabaseInfo * other ) [inline]
```

7.111.3.80 template_count()

```
int64_t briar::BriarDatabaseInfo::template_count ( ) const [inline]
```

7.111.3.81 templates_per_entry() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & briar::BriarDatabaseInfo::templates_per_entry ( ) const [inline]
```

7.111.3.82 templates_per_entry() [2/2]

```
int32_t briar::BriarDatabaseInfo::templates_per_entry (
    int index ) const [inline]
```

7.111.3.83 templates_per_entry_size()

```
int briar::BriarDatabaseInfo::templates_per_entry_size ( ) const [inline]
```

7.111.3.84 total_database_size()

```
float briar::BriarDatabaseInfo::total_database_size ( ) const [inline]
```

7.111.3.85 UnsafeArenaSwap()

```
void briar::BriarDatabaseInfo::UnsafeArenaSwap (
    BriarDatabaseInfo * other ) [inline]
```

7.111.4 Friends And Related Function Documentation

7.111.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.111.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.111.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.111.4.4 swap

```
void swap (
    BriarDatabaseInfo & a,
    BriarDatabaseInfo & b ) [friend]
```

7.111.5 Member Data Documentation

7.111.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarDatabaseInfo::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarDatabaseInfo::MergeImpl
}
```

7.111.5.2 kIndexInFileMessages

```
constexpr int briar::BriarDatabaseInfo::kIndexInFileMessages [static], [constexpr]
```

Initial value:

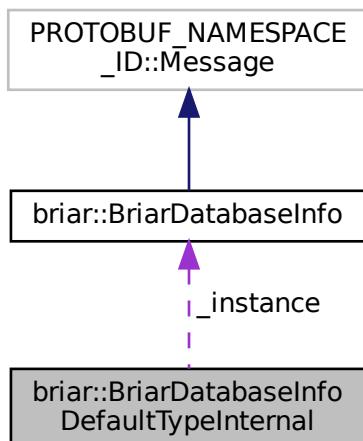
```
= 38
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.112 briar::BriarDatabaseInfoDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDatabaseInfoDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDatabaseInfoDefaultTypeInternal ()
- ~BriarDatabaseInfoDefaultTypeInternal ()

Public Attributes

- union {
 BriarDatabaseInfo _instance
 };

7.112.1 Constructor & Destructor Documentation

7.112.1.1 BriarDatabaseInfoDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDatabaseInfoDefaultTypeInternal::BriarDatabaseInfoDefaultTypeInternal( ) [inline]
```

7.112.1.2 ~BriarDatabaseInfoDefaultTypeInternal()

```
briar::BriarDatabaseInfoDefaultTypeInternal::~BriarDatabaseInfoDefaultTypeInternal( ) [inline]
```

7.112.2 Member Data Documentation

7.112.2.1

```
union { ... }
```

7.112.2.2 _instance

```
BriarDatabaseInfo briar::BriarDatabaseInfoDefaultTypeInternal::_instance
```

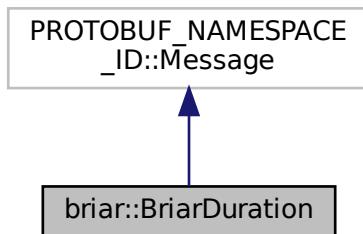
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

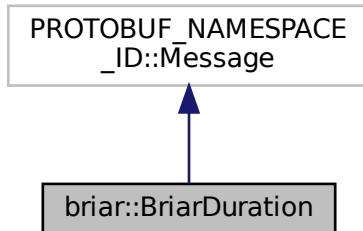
7.113 briar::BriarDuration Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDuration:



Collaboration diagram for briar::BriarDuration:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kStartFieldNumber](#) = 1 , [kEndFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarDuration](#) ()
- PROTOBUF_CONSTEXPR [BriarDuration](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarDuration](#) ([BriarDuration](#) &from) noexcept
- [BriarDuration](#) (const [BriarDuration](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_end](#) ()
- void [clear_start](#) ()
- void [CopyFrom](#) (const [BriarDuration](#) &from)
- double [end](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarDuration](#) &from)
- [BriarDuration](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarDuration](#) & [operator=](#) ([BriarDuration](#) &from) noexcept
- [BriarDuration](#) & [operator=](#) (const [BriarDuration](#) &from)
- void [set_end](#) (double value)
- void [set_start](#) (double value)
- double [start](#) () const
- void [Swap](#) ([BriarDuration](#) *other)
- void [UnsafeArenaSwap](#) ([BriarDuration](#) *other)
- [~BriarDuration](#) () override

Static Public Member Functions

- static const [BriarDuration](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarDuration](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarDuration](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void swap (BriarDuration &a, BriarDuration &b)

7.113.1 Member Enumeration Documentation

7.113.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kStartFieldNumber	
kEndFieldNumber	

7.113.2 Constructor & Destructor Documentation

7.113.2.1 BriarDuration() [1/5]

```
briar::BriarDuration::BriarDuration ( ) [inline]
```

7.113.2.2 ~BriarDuration()

```
briar::BriarDuration::~BriarDuration ( ) [override]
```

7.113.2.3 BriarDuration() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarDuration::BriarDuration (   
  ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.113.2.4 BriarDuration() [3/5]

```
briar::BriarDuration::BriarDuration (
    const BriarDuration & from )
```

7.113.2.5 BriarDuration() [4/5]

```
briar::BriarDuration::BriarDuration (
    BriarDuration && from ) [inline], [noexcept]
```

7.113.2.6 BriarDuration() [5/5]

```
briar::BriarDuration::BriarDuration (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.113.3 Member Function Documentation

7.113.3.1 _InternalParse()

```
const char * briar::BriarDuration::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.113.3.2 _InternalSerialize()

```
uint8_t * briar::BriarDuration::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.113.3.3 ByteSizeLong()

```
size_t briar::BriarDuration::ByteSizeLong ( ) const [final]
```

7.113.3.4 `Clear()`

```
void briar::BriarDuration::Clear ( ) [final]
```

7.113.3.5 `clear_end()`

```
void briar::BriarDuration::clear_end ( ) [inline]
```

7.113.3.6 `clear_start()`

```
void briar::BriarDuration::clear_start ( ) [inline]
```

7.113.3.7 `CopyFrom()`

```
void briar::BriarDuration::CopyFrom (
    const BriarDuration & from )
```

7.113.3.8 `default_instance()`

```
static const BriarDuration& briar::BriarDuration::default_instance ( ) [inline], [static]
```

7.113.3.9 `descriptor()`

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDuration::descriptor ( ) [inline], [static]
```

7.113.3.10 `end()`

```
double briar::BriarDuration::end ( ) const [inline]
```

7.113.3.11 GetCachedSize()

```
int briar::BriarDuration::GetCachedSize ( ) const [inline], [final]
```

7.113.3.12 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarDuration::GetClassData ( )  
const [final]
```

7.113.3.13 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDuration::GetDescriptor ( )  
[inline], [static]
```

7.113.3.14 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDuration::GetMetadata ( ) const [final]
```

7.113.3.15 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarDuration::GetReflection ( )  
[inline], [static]
```

7.113.3.16 internal_default_instance()

```
static const BriarDuration* briar::BriarDuration::internal_default_instance ( ) [inline],  
[static]
```

7.113.3.17 IsInitialized()

```
bool briar::BriarDuration::IsInitialized ( ) const [final]
```

7.113.3.18 MergeFrom()

```
void briar::BriarDuration::MergeFrom (
    const BriarDuration & from )
```

7.113.3.19 New()

```
BriarDuration* briar::BriarDuration::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.113.3.20 operator=() [1/2]

```
BriarDuration& briar::BriarDuration::operator= (
    BriarDuration && from ) [inline], [noexcept]
```

7.113.3.21 operator=() [2/2]

```
BriarDuration& briar::BriarDuration::operator= (
    const BriarDuration & from ) [inline]
```

7.113.3.22 set_end()

```
void briar::BriarDuration::set_end (
    double value ) [inline]
```

7.113.3.23 set_start()

```
void briar::BriarDuration::set_start (
    double value ) [inline]
```

7.113.3.24 start()

```
double briar::BriarDuration::start ( ) const [inline]
```

7.113.3.25 Swap()

```
void briar::BriarDuration::Swap (
    BriarDuration * other ) [inline]
```

7.113.3.26 UnsafeArenaSwap()

```
void briar::BriarDuration::UnsafeArenaSwap (
    BriarDuration * other ) [inline]
```

7.113.4 Friends And Related Function Documentation

7.113.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.113.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.113.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.113.4.4 swap

```
void swap (
    BriarDuration & a,
    BriarDuration & b ) [friend]
```

7.113.5 Member Data Documentation

7.113.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarDuration::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarDuration::MergeImpl
}
```

7.113.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarDuration::kIndexInFileMessages [static], [constexpr]
```

Initial value:

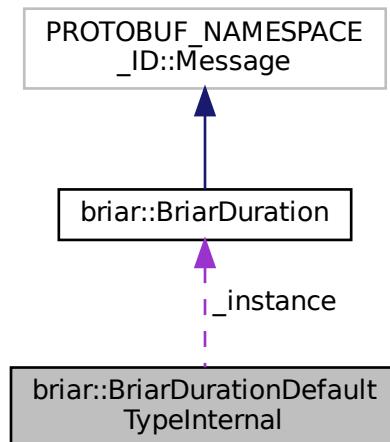
```
= 42
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.114 briar::BriarDurationDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDurationDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDurationDefaultTypeInternal ()
- ~BriarDurationDefaultTypeInternal ()

Public Attributes

- union {
 BriarDuration _instance
};

7.114.1 Constructor & Destructor Documentation

7.114.1.1 BriarDurationDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDurationDefaultTypeInternal::BriarDurationDefaultTypeInternal ( ) [inline]
```

7.114.1.2 ~BriarDurationDefaultTypeInternal()

```
briar::BriarDurationDefaultTypeInternal::~BriarDurationDefaultTypeInternal ( ) [inline]
```

7.114.2 Member Data Documentation

7.114.2.1

```
union { ... }
```

7.114.2.2 _instance

```
BriarDuration briar::BriarDurationDefaultTypeInternal::_instance
```

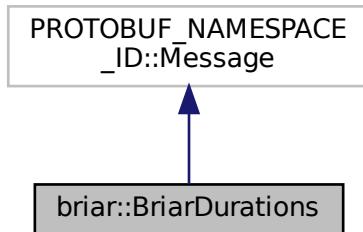
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

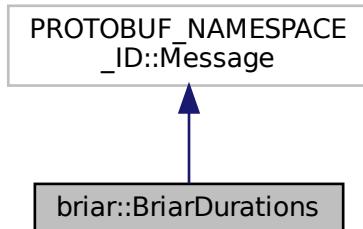
7.115 briar::BriarDurations Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDurations:



Collaboration diagram for briar::BriarDurations:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kSubDurationsFieldNumber = 6, kClientDurationFileLevelFieldNumber = 1, kClientDurationFrameLevelFieldNumber
 = 2, kGrpcOutboundTransferDurationFieldNumber = 3,
 kGrpcInboundTransferDurationFieldNumber = 4, kServiceDurationFieldNumber = 5, kTotalDurationFieldNumber
 = 7 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarDurations](#) ()
- PROTOBUF_CONSTEXPR [BriarDurations](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarDurations](#) ([BriarDurations](#) &&from) noexcept
- [BriarDurations](#) (const [BriarDurations](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_client_duration_file_level](#) ()
- void [clear_client_duration_frame_level](#) ()
- void [clear_grpc_inbound_transfer_duration](#) ()
- void [clear_grpc_outbound_transfer_duration](#) ()
- void [clear_service_duration](#) ()
- void [clear_sub_durations](#) ()
- void [clear_total_duration](#) ()
- const ::briar::BriarDuration & [client_duration_file_level](#) () const
- const ::briar::BriarDuration & [client_duration_frame_level](#) () const
- void [CopyFrom](#) (const [BriarDurations](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- const ::briar::BriarDuration & [grpc_inbound_transfer_duration](#) () const
- const ::briar::BriarDuration & [grpc_outbound_transfer_duration](#) () const
- bool [has_client_duration_file_level](#) () const
- bool [has_client_duration_frame_level](#) () const
- bool [has_grpc_inbound_transfer_duration](#) () const
- bool [has_grpc_outbound_transfer_duration](#) () const
- bool [has_service_duration](#) () const
- bool [has_total_duration](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarDurations](#) &from)
- ::briar::BriarDuration * [mutable_client_duration_file_level](#) ()
- ::briar::BriarDuration * [mutable_client_duration_frame_level](#) ()
- ::briar::BriarDuration * [mutable_grpc_inbound_transfer_duration](#) ()
- ::briar::BriarDuration * [mutable_grpc_outbound_transfer_duration](#) ()
- ::briar::BriarDuration * [mutable_service_duration](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarDuration > * [mutable_sub_durations](#) ()
- ::briar::BriarDuration * [mutable_total_duration](#) ()
- [BriarDurations](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarDurations](#) & [operator=](#) ([BriarDurations](#) &&from) noexcept
- [BriarDurations](#) & [operator=](#) (const [BriarDurations](#) &from)
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_client_duration_file_level](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_client_duration_frame_level](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_grpc_inbound_transfer_duration](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_grpc_outbound_transfer_duration](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_service_duration](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDuration * [release_total_duration](#) ()
- const ::briar::BriarDuration & [service_duration](#) () const
- void [set_allocated_client_duration_file_level](#) (::briar::BriarDuration *client_duration_file_level)
- void [set_allocated_client_duration_frame_level](#) (::briar::BriarDuration *client_duration_frame_level)
- void [set_allocated_grpc_inbound_transfer_duration](#) (::briar::BriarDuration *grpc_inbound_transfer_duration)

- void `set_allocated_grpc_outbound_transfer_duration` (::briar::BriarDuration *`grpc_outbound_transfer_duration`)
- void `set_allocated_service_duration` (::briar::BriarDuration *`service_duration`)
- void `set_allocated_total_duration` (::briar::BriarDuration *`total_duration`)
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarDuration > & `sub_durations` () const
- int `sub_durations_size` () const
- void `Swap` (BriarDurations *`other`)
- const ::briar::BriarDuration & `total_duration` () const
- ::briar::BriarDuration * `unsafe_arena_release_client_duration_file_level` ()
- ::briar::BriarDuration * `unsafe_arena_release_client_duration_frame_level` ()
- ::briar::BriarDuration * `unsafe_arena_release_grpc_inbound_transfer_duration` ()
- ::briar::BriarDuration * `unsafe_arena_release_grpc_outbound_transfer_duration` ()
- ::briar::BriarDuration * `unsafe_arena_release_service_duration` ()
- ::briar::BriarDuration * `unsafe_arena_release_total_duration` ()
- void `unsafe_arena_set_allocated_client_duration_file_level` (::briar::BriarDuration *`client_duration_file_level`)
- void `unsafe_arena_set_allocated_client_duration_frame_level` (::briar::BriarDuration *`client_duration_frame_level`)
- void `unsafe_arena_set_allocated_grpc_inbound_transfer_duration` (::briar::BriarDuration *`grpc_inbound_transfer_duration`)
- void `unsafe_arena_set_allocated_grpc_outbound_transfer_duration` (::briar::BriarDuration *`grpc_outbound_transfer_duration`)
- void `unsafe_arena_set_allocated_service_duration` (::briar::BriarDuration *`service_duration`)
- void `unsafe_arena_set_allocated_total_duration` (::briar::BriarDuration *`total_duration`)
- void `UnsafeArenaSwap` (BriarDurations *`other`)
- `~BriarDurations` () override

Static Public Member Functions

- static const BriarDurations & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const BriarDurations * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `BriarDurations` (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned=false`)

Friends

- template<typename T >
- class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void `swap` (BriarDurations &`a`, BriarDurations &`b`)

7.115.1 Member Enumeration Documentation

7.115.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubDurationsFieldNumber	
kClientDurationFileLevelFieldNumber	
kClientDurationFrameLevelFieldNumber	
kGrpcOutboundTransferDurationFieldNumber	
kGrpcInboundTransferDurationFieldNumber	
kServiceDurationFieldNumber	
kTotalDurationFieldNumber	

7.115.2 Constructor & Destructor Documentation**7.115.2.1 BriarDurations() [1/5]**

```
briar::BriarDurations::BriarDurations ( ) [inline]
```

7.115.2.2 ~BriarDurations()

```
briar::BriarDurations::~BriarDurations ( ) [override]
```

7.115.2.3 BriarDurations() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarDurations::BriarDurations (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.115.2.4 BriarDurations() [3/5]

```
briar::BriarDurations::BriarDurations (
    const BriarDurations & from )
```

7.115.2.5 BriarDurations() [4/5]

```
briar::BriarDurations::BriarDurations (
    BriarDurations && from ) [inline], [noexcept]
```

7.115.2.6 BriarDurations() [5/5]

```
briar::BriarDurations::BriarDurations (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.115.3 Member Function Documentation

7.115.3.1 _InternalParse()

```
const char * briar::BriarDurations::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.115.3.2 _InternalSerialize()

```
uint8_t * briar::BriarDurations::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.115.3.3 ByteSizeLong()

```
size_t briar::BriarDurations::ByteSizeLong () const [final]
```

7.115.3.4 Clear()

```
void briar::BriarDurations::Clear () [final]
```

7.115.3.5 clear_client_duration_file_level()

```
void briar::BriarDurations::clear_client_duration_file_level () [inline]
```

7.115.3.6 clear_client_duration_frame_level()

```
void briar::BriarDurations::clear_client_duration_frame_level ( ) [inline]
```

7.115.3.7 clear_grpc_inbound_transfer_duration()

```
void briar::BriarDurations::clear_grpc_inbound_transfer_duration ( ) [inline]
```

7.115.3.8 clear_grpc_outbound_transfer_duration()

```
void briar::BriarDurations::clear_grpc_outbound_transfer_duration ( ) [inline]
```

7.115.3.9 clear_service_duration()

```
void briar::BriarDurations::clear_service_duration ( ) [inline]
```

7.115.3.10 clear_sub_durations()

```
void briar::BriarDurations::clear_sub_durations ( ) [inline]
```

7.115.3.11 clear_total_duration()

```
void briar::BriarDurations::clear_total_duration ( ) [inline]
```

7.115.3.12 client_duration_file_level()

```
const ::briar::BriarDuration & briar::BriarDurations::client_duration_file_level ( ) const  
[inline]
```

7.115.3.13 client_duration_frame_level()

```
const ::briar::BriarDuration & briar::BriarDurations::client_duration_frame_level ( ) const  
[inline]
```

7.115.3.14 CopyFrom()

```
void briar::BriarDurations::CopyFrom (   
    const BriarDurations & from )
```

7.115.3.15 default_instance()

```
static const BriarDurations& briar::BriarDurations::default_instance ( ) [inline], [static]
```

7.115.3.16 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDurations::descriptor ( ) [inline],  
[static]
```

7.115.3.17 GetCachedSize()

```
int briar::BriarDurations::GetCachedSize ( ) const [inline], [final]
```

7.115.3.18 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarDurations::GetClassData ( )  
const [final]
```

7.115.3.19 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDurations::GetDescriptor ( )  
[inline], [static]
```

7.115.3.20 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDurations::GetMetadata () const [final]
```

7.115.3.21 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarDurations::GetReflection ()  
[inline], [static]
```

7.115.3.22 grpc_inbound_transfer_duration()

```
const ::briar::BriarDuration & briar::BriarDurations::grpc_inbound_transfer_duration () const  
[inline]
```

7.115.3.23 grpc_outbound_transfer_duration()

```
const ::briar::BriarDuration & briar::BriarDurations::grpc_outbound_transfer_duration ()  
const [inline]
```

7.115.3.24 has_client_duration_file_level()

```
bool briar::BriarDurations::has_client_duration_file_level () const [inline]
```

7.115.3.25 has_client_duration_frame_level()

```
bool briar::BriarDurations::has_client_duration_frame_level () const [inline]
```

7.115.3.26 has_grpc_inbound_transfer_duration()

```
bool briar::BriarDurations::has_grpc_inbound_transfer_duration () const [inline]
```

7.115.3.27 has_grpc_outbound_transfer_duration()

```
bool briar::BriarDurations::has_grpc_outbound_transfer_duration ( ) const [inline]
```

7.115.3.28 has_service_duration()

```
bool briar::BriarDurations::has_service_duration ( ) const [inline]
```

7.115.3.29 has_total_duration()

```
bool briar::BriarDurations::has_total_duration ( ) const [inline]
```

7.115.3.30 internal_default_instance()

```
static const BriarDurations* briar::BriarDurations::internal_default_instance ( ) [inline],  
[static]
```

7.115.3.31 IsInitialized()

```
bool briar::BriarDurations::IsInitialized ( ) const [final]
```

7.115.3.32 MergeFrom()

```
void briar::BriarDurations::MergeFrom (const BriarDurations & from)
```

7.115.3.33 mutable_client_duration_file_level()

```
briar::BriarDuration * briar::BriarDurations::mutable_client_duration_file_level ( ) [inline]
```

7.115.3.34 mutable_client_duration_frame_level()

```
briar::BriarDuration * briar::BriarDurations::mutable_client_duration_frame_level ( ) [inline]
```

7.115.3.35 mutable_grpc_inbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::mutable_grpc_inbound_transfer_duration ( ) [inline]
```

7.115.3.36 mutable_grpc_outbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::mutable_grpc_outbound_transfer_duration ( ) [inline]
```

7.115.3.37 mutable_service_duration()

```
briar::BriarDuration * briar::BriarDurations::mutable_service_duration ( ) [inline]
```

7.115.3.38 mutable_sub_durations()

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarDuration > * briar::BriarDurations::mutable_sub_durations ( ) [inline]
```

7.115.3.39 mutable_total_duration()

```
briar::BriarDuration * briar::BriarDurations::mutable_total_duration ( ) [inline]
```

7.115.3.40 New()

```
BriarDurations* briar::BriarDurations::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.115.3.41 operator=() [1/2]

```
BriarDurations& briar::BriarDurations::operator= (
    BriarDurations && from ) [inline], [noexcept]
```

7.115.3.42 operator=() [2/2]

```
BriarDurations& briar::BriarDurations::operator= (
    const BriarDurations & from ) [inline]
```

7.115.3.43 release_client_duration_file_level()

```
briar::BriarDuration * briar::BriarDurations::release_client_duration_file_level ( ) [inline]
```

7.115.3.44 release_client_duration_frame_level()

```
briar::BriarDuration * briar::BriarDurations::release_client_duration_frame_level ( ) [inline]
```

7.115.3.45 release_grpc_inbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::release_grpc_inbound_transfer_duration ( ) [inline]
```

7.115.3.46 release_grpc_outbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::release_grpc_outbound_transfer_duration ( )
[inline]
```

7.115.3.47 release_service_duration()

```
briar::BriarDuration * briar::BriarDurations::release_service_duration ( ) [inline]
```

7.115.3.48 release_total_duration()

```
briar::BriarDuration * briar::BriarDurations::release_total_duration ( ) [inline]
```

7.115.3.49 service_duration()

```
const ::briar::BriarDuration & briar::BriarDurations::service_duration ( ) const [inline]
```

7.115.3.50 set_allocated_client_duration_file_level()

```
void briar::BriarDurations::set_allocated_client_duration_file_level (
    ::briar::BriarDuration * client_duration_file_level ) [inline]
```

7.115.3.51 set_allocated_client_duration_frame_level()

```
void briar::BriarDurations::set_allocated_client_duration_frame_level (
    ::briar::BriarDuration * client_duration_frame_level ) [inline]
```

7.115.3.52 set_allocated_grpc_inbound_transfer_duration()

```
void briar::BriarDurations::set_allocated_grpc_inbound_transfer_duration (
    ::briar::BriarDuration * grpc_inbound_transfer_duration ) [inline]
```

7.115.3.53 set_allocated_grpc_outbound_transfer_duration()

```
void briar::BriarDurations::set_allocated_grpc_outbound_transfer_duration (
    ::briar::BriarDuration * grpc_outbound_transfer_duration ) [inline]
```

7.115.3.54 set_allocated_service_duration()

```
void briar::BriarDurations::set_allocated_service_duration (
    ::briar::BriarDuration * service_duration ) [inline]
```

7.115.3.55 set_allocated_total_duration()

```
void briar::BriarDurations::set_allocated_total_duration (
    ::briar::BriarDuration * total_duration ) [inline]
```

7.115.3.56 sub_durations()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarDuration > & briar::BriarDurations::sub_durations ( ) const [inline]
```

7.115.3.57 sub_durations_size()

```
int briar::BriarDurations::sub_durations_size ( ) const [inline]
```

7.115.3.58 Swap()

```
void briar::BriarDurations::Swap (
    BriarDurations * other ) [inline]
```

7.115.3.59 total_duration()

```
const ::briar::BriarDuration & briar::BriarDurations::total_duration ( ) const [inline]
```

7.115.3.60 unsafe_arena_release_client_duration_file_level()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_client_duration_file_level (
) [inline]
```

7.115.3.61 unsafe_arena_release_client_duration_frame_level()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_client_duration_frame_level (
) [inline]
```

7.115.3.62 unsafe_arena_release_grpc_inbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_grpc_inbound_transfer_duration ( ) [inline]
```

7.115.3.63 unsafe_arena_release_grpc_outbound_transfer_duration()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_grpc_outbound_transfer_duration ( ) [inline]
```

7.115.3.64 unsafe_arena_release_service_duration()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_service_duration ( ) [inline]
```

7.115.3.65 unsafe_arena_release_total_duration()

```
briar::BriarDuration * briar::BriarDurations::unsafe_arena_release_total_duration ( ) [inline]
```

7.115.3.66 unsafe_arena_set_allocated_client_duration_file_level()

```
void briar::BriarDurations::unsafe_arena_set_allocated_client_duration_file_level ( ::briar::BriarDuration * client_duration_file_level ) [inline]
```

7.115.3.67 unsafe_arena_set_allocated_client_duration_frame_level()

```
void briar::BriarDurations::unsafe_arena_set_allocated_client_duration_frame_level ( ::briar::BriarDuration * client_duration_frame_level ) [inline]
```

7.115.3.68 unsafe_arena_set_allocated_grpc_inbound_transfer_duration()

```
void briar::BriarDurations::unsafe_arena_set_allocated_grpc_inbound_transfer_duration ( ::briar::BriarDuration * grpc_inbound_transfer_duration ) [inline]
```

7.115.3.69 `unsafe_arena_set_allocated_grpc_outbound_transfer_duration()`

```
void briar::BriarDurations::unsafe_arena_set_allocated_grpc_outbound_transfer_duration (
    ::briar::BriarDuration * grpc_outbound_transfer_duration ) [inline]
```

7.115.3.70 `unsafe_arena_set_allocated_service_duration()`

```
void briar::BriarDurations::unsafe_arena_set_allocated_service_duration (
    ::briar::BriarDuration * service_duration ) [inline]
```

7.115.3.71 `unsafe_arena_set_allocated_total_duration()`

```
void briar::BriarDurations::unsafe_arena_set_allocated_total_duration (
    ::briar::BriarDuration * total_duration ) [inline]
```

7.115.3.72 `UnsafeArenaSwap()`

```
void briar::BriarDurations::UnsafeArenaSwap (
    BriarDurations * other ) [inline]
```

7.115.4 Friends And Related Function Documentation

7.115.4.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.115.4.2 `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.115.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.115.4.4 swap

```
void swap (
    BriarDurations & a,
    BriarDurations & b ) [friend]
```

7.115.5 Member Data Documentation

7.115.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarDurations::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarDurations::MergeImpl
}
```

7.115.5.2 kIndexInFileMessages

```
constexpr int briar::BriarDurations::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 44
```

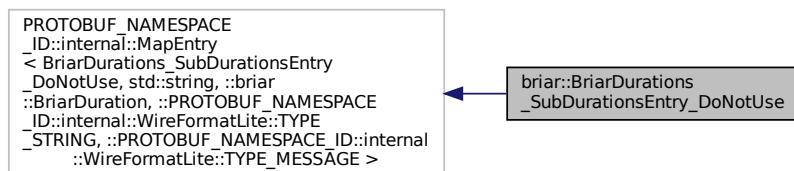
The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

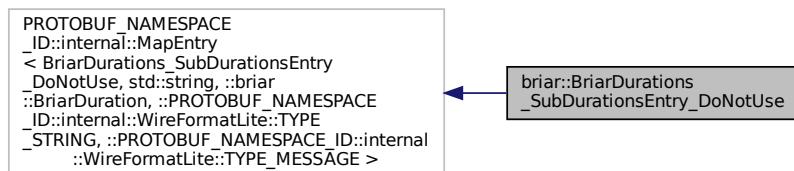
7.116 briar::BriarDurations_SubDurationsEntry_DoNotUse Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDurations_SubDurationsEntry_DoNotUse:



Collaboration diagram for briar::BriarDurations_SubDurationsEntry_DoNotUse:



Public Types

- typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry< [BriarDurations_SubDurationsEntry_DoNotUse](#), std::string, ::[briar::BriarDuration](#), ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE > [SuperType](#)

Public Member Functions

- [BriarDurations_SubDurationsEntry_DoNotUse\(\)](#)
- [BriarDurations_SubDurationsEntry_DoNotUse](#)(::PROTOBUF_NAMESPACE_ID::Arena *arena)
- [PROTOBUF_CONSTEXPR BriarDurations_SubDurationsEntry_DoNotUse](#)(::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata\(\)](#) const final
- [void MergeFrom](#)(const [BriarDurations_SubDurationsEntry_DoNotUse](#) &other)

Static Public Member Functions

- [static const BriarDurations_SubDurationsEntry_DoNotUse* internal_default_instance\(\)](#)
- [static bool ValidateKey](#)(std::string *s)
- [static bool ValidateValue](#)(void *)

Friends

- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

7.116.1 Member Typedef Documentation

7.116.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<BriarDurations\_SubDurationsEntry\_DoNotUse,  
std::string, ::briar::BriarDuration, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE←  
_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::BriarDurations\_SubDurationsE
```

7.116.2 Constructor & Destructor Documentation

7.116.2.1 BriarDurations_SubDurationsEntry_DoNotUse() [1/3]

```
briar::BriarDurations_SubDurationsEntry_DoNotUse::BriarDurations_SubDurationsEntry_DoNotUse ( )
```

7.116.2.2 BriarDurations_SubDurationsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::BriarDurations_SubDurationsEntry_DoNotUse::BriarDurations_Sub←  
DurationsEntry_DoNotUse ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.116.2.3 BriarDurations_SubDurationsEntry_DoNotUse() [3/3]

```
briar::BriarDurations_SubDurationsEntry_DoNotUse::BriarDurations_SubDurationsEntry_DoNotUse ( ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.116.3 Member Function Documentation

7.116.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDurations_SubDurationsEntry_DoNotUse::GetMetadata
( ) const [final]
```

7.116.3.2 internal_default_instance()

```
static const BriarDurations_SubDurationsEntry_DoNotUse* briar::BriarDurations_SubDurations<-
Entry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.116.3.3 MergeFrom()

```
void briar::BriarDurations_SubDurationsEntry_DoNotUse::MergeFrom (
    const BriarDurations_SubDurationsEntry_DoNotUse & other )
```

7.116.3.4 ValidateKey()

```
static bool briar::BriarDurations_SubDurationsEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.116.3.5 ValidateValue()

```
static bool briar::BriarDurations_SubDurationsEntry_DoNotUse::ValidateValue (
    void * ) [inline], [static]
```

7.116.4 Friends And Related Function Documentation

7.116.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

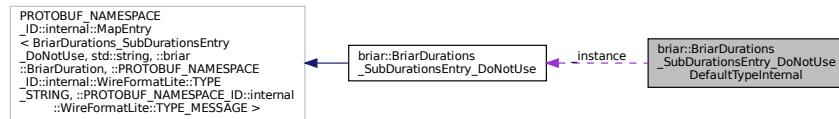
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.117 briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal ()
- [~BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [BriarDurations_SubDurationsEntry_DoNotUse _instance](#)
};

7.117.1 Constructor & Destructor Documentation

7.117.1.1 BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal::<
BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.117.1.2 ~BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal()

```
briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal::~BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.117.2 Member Data Documentation

7.117.2.1

```
union { ... }
```

7.117.2.2 `_instance`

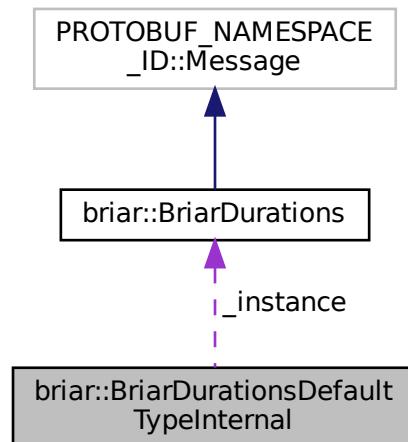
```
BriarDurations_SubDurationsEntry_DoNotUse briar::BriarDurations_SubDurationsEntry_DoNotUse<-
DefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.118 briar::BriarDurationsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDurationsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDurationsDefaultTypeInternal ()
- [~BriarDurationsDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [BriarDurations _instance](#)
};

7.118.1 Constructor & Destructor Documentation

7.118.1.1 BriarDurationsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDurationsDefaultTypeInternal::BriarDurationsDefaultTypeInternal  
( ) [inline]
```

7.118.1.2 ~BriarDurationsDefaultTypeInternal()

```
briar::BriarDurationsDefaultTypeInternal::~BriarDurationsDefaultTypeInternal ( ) [inline]
```

7.118.2 Member Data Documentation

7.118.2.1

```
union { ... }
```

7.118.2.2 _instance

```
BriarDurations briar::BriarDurationsDefaultTypeInternal::_instance
```

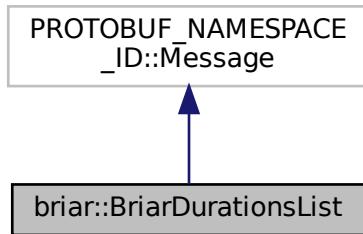
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

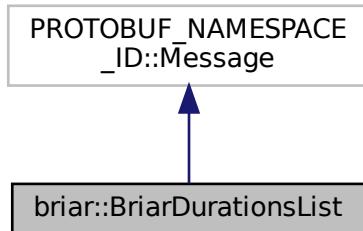
7.119 briar::BriarDurationsList Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarDurationsList:



Collaboration diagram for briar::BriarDurationsList:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsListFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::BriarDurations * [add_durations_list](#) ()
- BriarDurationsList ()
- PROTOBUF_CONSTEXPR BriarDurationsList (::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>)
- BriarDurationsList (BriarDurationsList &&from) noexcept
- BriarDurationsList (const BriarDurationsList &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations_list](#) ()
- void [CopyFrom](#) (const BriarDurationsList &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDurations > & [durations_list](#) () const
- const ::briar::BriarDurations & [durations_list](#) (int index) const
- int [durations_list_size](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const BriarDurationsList &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDurations > * [mutable_durations_list](#) ()
- ::briar::BriarDurations * [mutable_durations_list](#) (int index)
- BriarDurationsList * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- BriarDurationsList & [operator=](#) (BriarDurationsList &&from) noexcept
- BriarDurationsList & [operator=](#) (const BriarDurationsList &from)
- void [Swap](#) (BriarDurationsList *other)
- void [UnsafeArenaSwap](#) (BriarDurationsList *other)
- ~BriarDurationsList () override

Static Public Member Functions

- static const BriarDurationsList & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const BriarDurationsList * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- BriarDurationsList (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) (BriarDurationsList &a, BriarDurationsList &b)

7.119.1 Member Enumeration Documentation

7.119.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDurationsListFieldNumber	<input type="button" value=""/>
---------------------------	---------------------------------

7.119.2 Constructor & Destructor Documentation

7.119.2.1 BriarDurationsList() [1/5]

```
briar::BriarDurationsList::BriarDurationsList ( ) [inline]
```

7.119.2.2 ~BriarDurationsList()

```
briar::BriarDurationsList::~BriarDurationsList ( ) [override]
```

7.119.2.3 BriarDurationsList() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarDurationsList::BriarDurationsList (   
  ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.119.2.4 BriarDurationsList() [3/5]

```
briar::BriarDurationsList::BriarDurationsList (
    const BriarDurationsList & from )
```

7.119.2.5 BriarDurationsList() [4/5]

```
briar::BriarDurationsList::BriarDurationsList (
    BriarDurationsList && from ) [inline], [noexcept]
```

7.119.2.6 BriarDurationsList() [5/5]

```
briar::BriarDurationsList::BriarDurationsList (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.119.3 Member Function Documentation**7.119.3.1 _InternalParse()**

```
const char * briar::BriarDurationsList::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.119.3.2 _InternalSerialize()

```
uint8_t * briar::BriarDurationsList::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.119.3.3 add_durations_list()

```
briar::BriarDurations * briar::BriarDurationsList::add_durations_list ( ) [inline]
```

7.119.3.4 ByteSizeLong()

```
size_t briar::BriarDurationsList::ByteSizeLong ( ) const [final]
```

7.119.3.5 Clear()

```
void briar::BriarDurationsList::Clear ( ) [final]
```

7.119.3.6 clear_durations_list()

```
void briar::BriarDurationsList::clear_durations_list ( ) [inline]
```

7.119.3.7 CopyFrom()

```
void briar::BriarDurationsList::CopyFrom (
    const BriarDurationsList & from )
```

7.119.3.8 default_instance()

```
static const BriarDurationsList& briar::BriarDurationsList::default_instance ( ) [inline],
[static]
```

7.119.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDurationsList::descriptor ( )
[inline], [static]
```

7.119.3.10 durations_list() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDurations> & briar::BriarDurationsList::durations_list ( ) const [inline]
```

7.119.3.11 durations_list() [2/2]

```
const ::briar::BriarDurations & briar::BriarDurationsList::durations_list (
    int index ) const [inline]
```

7.119.3.12 durations_list_size()

```
int briar::BriarDurationsList::durations_list_size ( ) const [inline]
```

7.119.3.13 GetCachedSize()

```
int briar::BriarDurationsList::GetCachedSize ( ) const [inline], [final]
```

7.119.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarDurationsList::GetClassData (
) const [final]
```

7.119.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarDurationsList::GetDescriptor ( )
[inline], [static]
```

7.119.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarDurationsList::GetMetadata ( ) const [final]
```

7.119.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarDurationsList::GetReflection ( )
[inline], [static]
```

7.119.3.18 internal_default_instance()

```
static const BriarDurationsList* briar::BriarDurationsList::internal_default_instance ( )
[inline], [static]
```

7.119.3.19 IsInitialized()

```
bool briar::BriarDurationsList::IsInitialized ( ) const [final]
```

7.119.3.20 MergeFrom()

```
void briar::BriarDurationsList::MergeFrom (
    const BriarDurationsList & from )
```

7.119.3.21 mutable_durations_list() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDurations > * briar::BriarDurations<-
List::mutable_durations_list ( ) [inline]
```

7.119.3.22 mutable_durations_list() [2/2]

```
briar::BriarDurations * briar::BriarDurationsList::mutable_durations_list (
    int index ) [inline]
```

7.119.3.23 New()

```
BriarDurationsList* briar::BriarDurationsList::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.119.3.24 operator=() [1/2]

```
BriarDurationsList& briar::BriarDurationsList::operator= (
    BriarDurationsList && from ) [inline], [noexcept]
```

7.119.3.25 operator=() [2/2]

```
BriarDurationsList& briar::BriarDurationsList::operator= (
    const BriarDurationsList & from )  [inline]
```

7.119.3.26 Swap()

```
void briar::BriarDurationsList::Swap (
    BriarDurationsList * other )  [inline]
```

7.119.3.27 UnsafeArenaSwap()

```
void briar::BriarDurationsList::UnsafeArenaSwap (
    BriarDurationsList * other )  [inline]
```

7.119.4 Friends And Related Function Documentation**7.119.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper  [friend]
```

7.119.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata  [friend]
```

7.119.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto  [friend]
```

7.119.4.4 swap

```
void swap (
    BriarDurationsList & a,
    BriarDurationsList & b )  [friend]
```

7.119.5 Member Data Documentation

7.119.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarDurationsList::_class_data_<~
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarDurationsList::MergeImpl
}
```

7.119.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarDurationsList::kIndexInFileMessages [static], [constexpr]
```

Initial value:

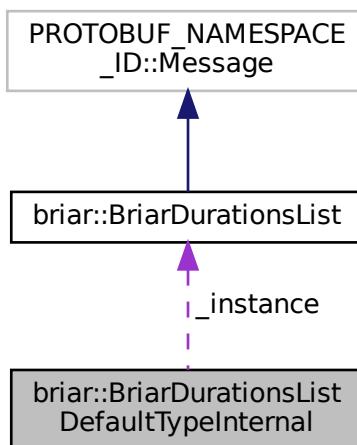
```
=
45
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.120 briar::BriarDurationsListDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarDurationsListDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarDurationsListDefaultTypeInternal ()
- ~BriarDurationsListDefaultTypeInternal ()

Public Attributes

- union {
 BriarDurationsList _instance
};

7.120.1 Constructor & Destructor Documentation

7.120.1.1 BriarDurationsListDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarDurationsListDefaultTypeInternal::BriarDurationsListDefaultTypeInternal() [inline]
```

7.120.1.2 ~BriarDurationsListDefaultTypeInternal()

```
briar::BriarDurationsListDefaultTypeInternal::~BriarDurationsListDefaultTypeInternal() [inline]
```

7.120.2 Member Data Documentation

7.120.2.1

```
union { ... }
```

7.120.2.2 _instance

```
BriarDurationsList briar::BriarDurationsListDefaultTypeInternal::_instance
```

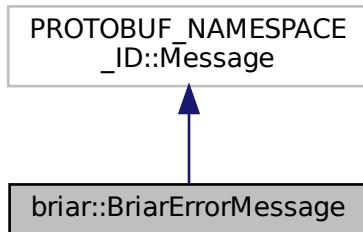
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

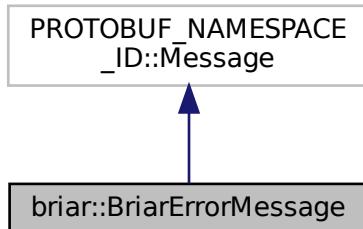
7.121 briar::BriarErrorMessage Class Reference

```
#include <briar_error.pb.h>
```

Inheritance diagram for briar::BriarErrorMessage:



Collaboration diagram for briar::BriarErrorMessage:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kErrorMessageFieldNumber = 2](#) , [kErrorCodeFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarErrorMessage](#) ()
- PROTOBUF_CONSTEXPR [BriarErrorMessage](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>)
- [BriarErrorMessage](#) ([BriarErrorMessage](#) &&from) noexcept
- [BriarErrorMessage](#) (const [BriarErrorMessage](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_error_code](#) ()
- void [clear_error_message](#) ()
- void [CopyFrom](#) (const [BriarErrorMessage](#) &from)
- int32_t [error_code](#) () const
- const std::string & [error_message](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarErrorMessage](#) &from)
- std::string * [mutable_error_message](#) ()
- [BriarErrorMessage](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarErrorMessage](#) & [operator=](#) ([BriarErrorMessage](#) &&from) noexcept
- [BriarErrorMessage](#) & [operator=](#) (const [BriarErrorMessage](#) &from)
- PROTOBUF_NODISCARD std::string * [release_error_message](#) ()
- void [set_allocated_error_message](#) (std::string *[error_message](#))
- void [set_error_code](#) (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_error_message](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_error_message](#) (ArgT0 &&arg0, ArgT... args)
- void [Swap](#) ([BriarErrorMessage](#) *other)
- void [UnsafeArenaSwap](#) ([BriarErrorMessage](#) *other)
- [~BriarErrorMessage](#) () override

Static Public Member Functions

- static const [BriarErrorMessage](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarErrorMessage](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarErrorMessage](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
- class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto
- void [swap](#) (BriarErrorMessage &a, BriarErrorMessage &b)

7.121.1 Member Enumeration Documentation

7.121.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kErrorMessageFieldNumber	
kErrorCodeFieldNumber	

7.121.2 Constructor & Destructor Documentation

7.121.2.1 [BriarErrorMessage\(\)](#) [1/5]

```
briar::BriarErrorMessage::BriarErrorMessage ( ) [inline]
```

7.121.2.2 [~BriarErrorMessage\(\)](#)

```
briar::BriarErrorMessage::~BriarErrorMessage ( ) [override]
```

7.121.2.3 [BriarErrorMessage\(\)](#) [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarErrorMessage::BriarErrorMessage (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.121.2.4 BriarErrorMessage() [3/5]

```
briar::BriarErrorMessage::BriarErrorMessage (
    const BriarErrorMessage & from )
```

7.121.2.5 BriarErrorMessage() [4/5]

```
briar::BriarErrorMessage::BriarErrorMessage (
    BriarErrorMessage && from ) [inline], [noexcept]
```

7.121.2.6 BriarErrorMessage() [5/5]

```
briar::BriarErrorMessage::BriarErrorMessage (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.121.3 Member Function Documentation

7.121.3.1 _InternalParse()

```
const char * briar::BriarErrorMessage::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.121.3.2 _InternalSerialize()

```
uint8_t * briar::BriarErrorMessage::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.121.3.3 ByteSizeLong()

```
size_t briar::BriarErrorMessage::ByteSizeLong ( ) const [final]
```

7.121.3.4 `Clear()`

```
void briar::BriarErrorMessage::Clear ( ) [final]
```

7.121.3.5 `clear_error_code()`

```
void briar::BriarErrorMessage::clear_error_code ( ) [inline]
```

7.121.3.6 `clear_error_message()`

```
void briar::BriarErrorMessage::clear_error_message ( ) [inline]
```

7.121.3.7 `CopyFrom()`

```
void briar::BriarErrorMessage::CopyFrom (
    const BriarErrorMessage & from )
```

7.121.3.8 `default_instance()`

```
static const BriarErrorMessage& briar::BriarErrorMessage::default_instance ( ) [inline],
[static]
```

7.121.3.9 `descriptor()`

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarErrorMessage::descriptor ( )
[inline], [static]
```

7.121.3.10 `error_code()`

```
int32_t briar::BriarErrorMessage::error_code ( ) const [inline]
```

7.121.3.11 error_message()

```
const std::string & briar::BriarErrorMessage::error_message ( ) const [inline]
```

7.121.3.12 GetCachedSize()

```
int briar::BriarErrorMessage::GetCachedSize ( ) const [inline], [final]
```

7.121.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarErrorMessage::GetClassData ( ) const [final]
```

7.121.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarErrorMessage::GetDescriptor ( ) [inline], [static]
```

7.121.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarErrorMessage::GetMetadata ( ) const [final]
```

7.121.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarErrorMessage::GetReflection ( ) [inline], [static]
```

7.121.3.17 internal_default_instance()

```
static const BriarErrorMessage* briar::BriarErrorMessage::internal_default_instance ( ) [inline], [static]
```

7.121.3.18 IsInitialized()

```
bool briar::BriarErrorMessage::IsInitialized () const [final]
```

7.121.3.19 MergeFrom()

```
void briar::BriarErrorMessage::MergeFrom (
    const BriarErrorMessage & from )
```

7.121.3.20 mutable_error_message()

```
std::string * briar::BriarErrorMessage::mutable_error_message () [inline]
```

7.121.3.21 New()

```
BriarErrorMessage* briar::BriarErrorMessage::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.121.3.22 operator=() [1/2]

```
BriarErrorMessage& briar::BriarErrorMessage::operator= (
    BriarErrorMessage && from ) [inline], [noexcept]
```

7.121.3.23 operator=() [2/2]

```
BriarErrorMessage& briar::BriarErrorMessage::operator= (
    const BriarErrorMessage & from ) [inline]
```

7.121.3.24 release_error_message()

```
std::string * briar::BriarErrorMessage::release_error_message () [inline]
```

7.121.3.25 set_allocated_error_message()

```
void briar::BriarErrorMessage::set_allocated_error_message (
    std::string * error_message ) [inline]
```

7.121.3.26 set_error_code()

```
void briar::BriarErrorMessage::set_error_code (
    int32_t value ) [inline]
```

7.121.3.27 set_error_message() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarErrorMessage::set_error_message (
    ArgT0 && arg0,
    ArgT... args )
```

7.121.3.28 set_error_message() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarErrorMessage::set_error_message (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.121.3.29 Swap()

```
void briar::BriarErrorMessage::Swap (
    BriarErrorMessage * other ) [inline]
```

7.121.3.30 UnsafeArenaSwap()

```
void briar::BriarErrorMessage::UnsafeArenaSwap (
    BriarErrorMessage * other ) [inline]
```

7.121.4 Friends And Related Function Documentation

7.121.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.121.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.121.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto [friend]
```

7.121.4.4 swap

```
void swap (
    BriarErrorMessage & a,
    BriarErrorMessage & b ) [friend]
```

7.121.5 Member Data Documentation

7.121.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarErrorMessage::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarErrorMessage::MergeImpl
}
```

7.121.5.2 kIndexInFileMessages

```
constexpr int briar::BriarErrorMessage::kIndexInFileMessages [static], [constexpr]
```

Initial value:

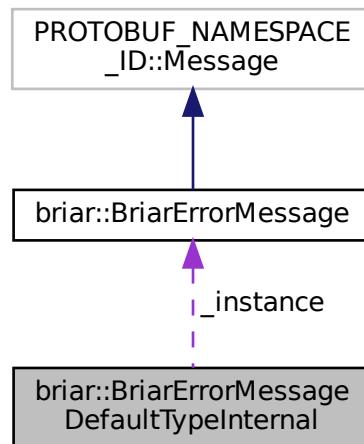
```
=
1
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.cc

7.122 briar::BriarErrorMessageDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarErrorMessageDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarErrorMessageDefaultTypeInternal ()
- [~BriarErrorMessageDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 BriarErrorMessage _instance

};

7.122.1 Constructor & Destructor Documentation

7.122.1.1 BriarErrorMessageDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarErrorMessageDefaultTypeInternal::BriarErrorMessageDefaultTypeInternal ( ) [inline]
```

7.122.1.2 ~BriarErrorMessageDefaultTypeInternal()

```
briar::BriarErrorMessageDefaultTypeInternal::~BriarErrorMessageDefaultTypeInternal () [inline]
```

7.122.2 Member Data Documentation

7.122.2.1

```
union { ... }
```

7.122.2.2 _instance

```
BriarErrorMessage briar::BriarErrorMessageDefaultTypeInternal::_instance
```

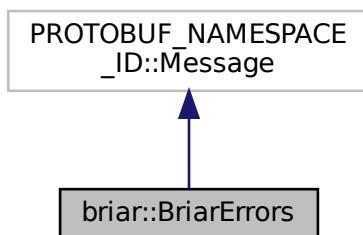
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_error.pb.cc](#)

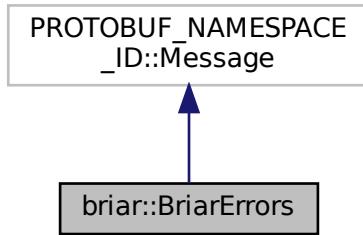
7.123 briar::BriarErrors Class Reference

```
#include <briar_error.pb.h>
```

Inheritance diagram for briar::BriarErrors:



Collaboration diagram for briar::BriarErrors:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kErrorsFieldNumber](#) = 1 , [kLengthFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- void [add_errors](#) (::briar::BriarError value)
- [BriarErrors](#) ()
- PROTOBUF_CONSTEXPR [BriarErrors](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarErrors](#) ([BriarErrors](#) &&from) noexcept
- [BriarErrors](#) (const [BriarErrors](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_errors](#) ()
- void [clear_length](#) ()
- void [CopyFrom](#) (const [BriarErrors](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int > & [errors](#) () const
- ::briar::BriarError [errors](#) (int index) const
- int [errors_size](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- int32_t [length](#) () const
- void [MergeFrom](#) (const [BriarErrors](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedField< int > * [mutable_errors](#) ()
- [BriarErrors](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final

- `BriarErrors & operator= (BriarErrors &&from) noexcept`
- `BriarErrors & operator= (const BriarErrors &from)`
- `void set_errors (int index, ::briar::BriarError value)`
- `void set_length (int32_t value)`
- `void Swap (BriarErrors *other)`
- `void UnsafeArenaSwap (BriarErrors *other)`
- `~BriarErrors () override`

Static Public Member Functions

- `static const BriarErrors & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const BriarErrors * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `BriarErrors (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
- `class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto`
- `void swap (BriarErrors &a, BriarErrors &b)`

7.123.1 Member Enumeration Documentation

7.123.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kErrorsFieldNumber</code>	
<code>kLengthFieldNumber</code>	

7.123.2 Constructor & Destructor Documentation

7.123.2.1 BriarErrors() [1/5]

```
briar::BriarErrors::BriarErrors ( ) [inline]
```

7.123.2.2 ~BriarErrors()

```
briar::BriarErrors::~BriarErrors ( ) [override]
```

7.123.2.3 BriarErrors() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarErrors::BriarErrors (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.123.2.4 BriarErrors() [3/5]

```
briar::BriarErrors::BriarErrors (
    const BriarErrors & from )
```

7.123.2.5 BriarErrors() [4/5]

```
briar::BriarErrors::BriarErrors (
    BriarErrors && from ) [inline], [noexcept]
```

7.123.2.6 BriarErrors() [5/5]

```
briar::BriarErrors::BriarErrors (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.123.3 Member Function Documentation

7.123.3.1 _InternalParse()

```
const char * briar::BriarErrors::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.123.3.2 _InternalSerialize()

```
uint8_t * briar::BriarErrors::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.123.3.3 add_errors()

```
void briar::BriarErrors::add_errors (
    ::briar::BriarError value ) [inline]
```

7.123.3.4 ByteSizeLong()

```
size_t briar::BriarErrors::ByteSizeLong ( ) const [final]
```

7.123.3.5 Clear()

```
void briar::BriarErrors::Clear ( ) [final]
```

7.123.3.6 clear_errors()

```
void briar::BriarErrors::clear_errors ( ) [inline]
```

7.123.3.7 clear_length()

```
void briar::BriarErrors::clear_length ( ) [inline]
```

7.123.3.8 CopyFrom()

```
void briar::BriarErrors::CopyFrom (
    const BriarErrors & from )
```

7.123.3.9 default_instance()

```
static const BriarErrors& briar::BriarErrors::default_instance () [inline], [static]
```

7.123.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarErrors::descriptor () [inline], [static]
```

7.123.3.11 errors() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int > & briar::BriarErrors::errors () const [inline]
```

7.123.3.12 errors() [2/2]

```
briar::BriarError briar::BriarErrors::errors (
    int index ) const [inline]
```

7.123.3.13 errors_size()

```
int briar::BriarErrors::errors_size () const [inline]
```

7.123.3.14 GetCachedSize()

```
int briar::BriarErrors::GetCachedSize () const [inline], [final]
```

7.123.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarErrors::GetClassData ( ) const  
[final]
```

7.123.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarErrors::GetDescriptor ( ) [inline],  
[static]
```

7.123.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarErrors::GetMetadata ( ) const [final]
```

7.123.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarErrors::GetReflection ( ) [inline],  
[static]
```

7.123.3.19 internal_default_instance()

```
static const BriarErrors* briar::BriarErrors::internal_default_instance ( ) [inline], [static]
```

7.123.3.20 IsInitialized()

```
bool briar::BriarErrors::IsInitialized ( ) const [final]
```

7.123.3.21 length()

```
int32_t briar::BriarErrors::length ( ) const [inline]
```

7.123.3.22 MergeFrom()

```
void briar::BriarErrors::MergeFrom (
    const BriarErrors & from )
```

7.123.3.23 mutable_errors()

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int > * briar::BriarErrors::mutable_errors ( ) [inline]
```

7.123.3.24 New()

```
BriarErrors* briar::BriarErrors::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.123.3.25 operator=(1/2)

```
BriarErrors& briar::BriarErrors::operator= (
    BriarErrors && from ) [inline], [noexcept]
```

7.123.3.26 operator=(2/2)

```
BriarErrors& briar::BriarErrors::operator= (
    const BriarErrors & from ) [inline]
```

7.123.3.27 set_errors()

```
void briar::BriarErrors::set_errors (
    int index,
    ::briar::BriarError value ) [inline]
```

7.123.3.28 set_length()

```
void briar::BriarErrors::set_length (
    int32_t value ) [inline]
```

7.123.3.29 Swap()

```
void briar::BriarErrors::Swap (
    BriarErrors * other ) [inline]
```

7.123.3.30 UnsafeArenaSwap()

```
void briar::BriarErrors::UnsafeArenaSwap (
    BriarErrors * other ) [inline]
```

7.123.4 Friends And Related Function Documentation

7.123.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.123.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.123.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto [friend]
```

7.123.4.4 swap

```
void swap (
    BriarErrors & a,
    BriarErrors & b ) [friend]
```

7.123.5 Member Data Documentation

7.123.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarErrors::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarErrors::MergeImpl
}
```

7.123.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarErrors::kIndexInFileMessages [static], [constexpr]
```

Initial value:

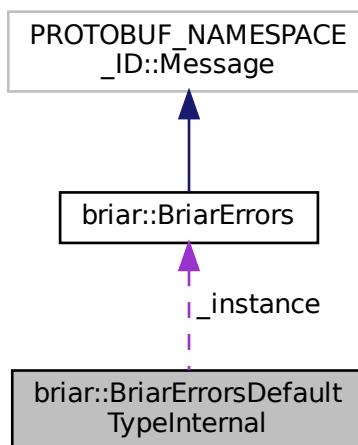
```
= 0
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_error.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_error.pb.cc](#)

7.124 briar::BriarErrorsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarErrorsDefaultTypeInternal:



Public Member Functions

- `PROTOBUF_CONSTEXPR BriarErrorsDefaultTypeInternal ()`
- `~BriarErrorsDefaultTypeInternal ()`

Public Attributes

- union {
 BriarErrors _instance
};

7.124.1 Constructor & Destructor Documentation

7.124.1.1 BriarErrorsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarErrorsDefaultTypeInternal::BriarErrorsDefaultTypeInternal ( )  
[inline]
```

7.124.1.2 ~BriarErrorsDefaultTypeInternal()

```
briar::BriarErrorsDefaultTypeInternal::~BriarErrorsDefaultTypeInternal ( ) [inline]
```

7.124.2 Member Data Documentation

7.124.2.1

```
union { ... }
```

7.124.2.2 _instance

```
BriarErrors briar::BriarErrorsDefaultTypeInternal::_instance
```

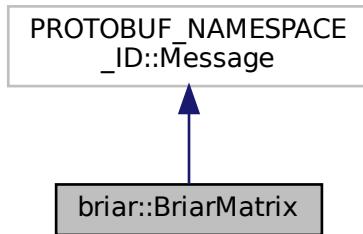
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.cc

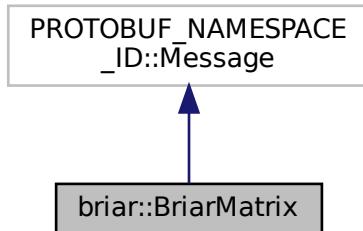
7.125 briar::BriarMatrix Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarMatrix:



Collaboration diagram for briar::BriarMatrix:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kColumnHeadersFieldNumber = 1 , kRowHeadersFieldNumber = 2 , kColumnHeadersIntegerFieldNumber =
 3 , kRowHeadersIntegerFieldNumber = 4 ,
 kColumnSourcesFieldNumber = 5 , kRowSourcesFieldNumber = 6 , kColumnAttributesFieldNumber = 7 ,
 kRowAttributesFieldNumber = 8 ,
 kRowsFieldNumber = 9 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_column_attributes` ()
- std::string * `add_column_headers` ()
- void `add_column_headers` (const char *value)
- void `add_column_headers` (const char *value, size_t size)
- void `add_column_headers` (const std::string &value)
- void `add_column_headers` (std::string &&value)
- void `add_column_headers_integer` (int32_t value)
- std::string * `add_column_sources` ()
- void `add_column_sources` (const char *value)
- void `add_column_sources` (const char *value, size_t size)
- void `add_column_sources` (const std::string &value)
- void `add_column_sources` (std::string &&value)
- ::briar::Attribute * `add_row_attributes` ()
- std::string * `add_row_headers` ()
- void `add_row_headers` (const char *value)
- void `add_row_headers` (const char *value, size_t size)
- void `add_row_headers` (const std::string &value)
- void `add_row_headers` (std::string &&value)
- void `add_row_headers_integer` (int32_t value)
- std::string * `add_row_sources` ()
- void `add_row_sources` (const char *value)
- void `add_row_sources` (const char *value, size_t size)
- void `add_row_sources` (const std::string &value)
- void `add_row_sources` (std::string &&value)
- ::briar::BriarVector * `add_rows` ()
- BriarMatrix ()
- PROTOBUF_CONSTEXPR BriarMatrix (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- BriarMatrix (BriarMatrix &&from) noexcept
- BriarMatrix (const BriarMatrix &from)
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_column_attributes` ()
- void `clear_column_headers` ()
- void `clear_column_headers_integer` ()
- void `clear_column_sources` ()
- void `clear_row_attributes` ()
- void `clear_row_headers` ()
- void `clear_row_headers_integer` ()
- void `clear_row_sources` ()
- void `clear_rows` ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `column_attributes` () const
- const ::briar::Attribute & `column_attributes` (int index) const
- int `column_attributes_size` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `column_headers` () const
- const std::string & `column_headers` (int index) const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & `column_headers_integer` () const
- int32_t `column_headers_integer` (int index) const
- int `column_headers_integer_size` () const
- int `column_headers_size` () const

- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `column_sources` () const
- const std::string & `column_sources` (int index) const
- int `column_sources_size` () const
- void `CopyFrom` (const `BriarMatrix` &from)
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- void `MergeFrom` (const `BriarMatrix` &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_column_attributes` ()
- ::briar::Attribute * `mutable_column_attributes` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_column_headers` ()
- std::string * `mutable_column_headers` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * `mutable_column_headers_integer` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_column_sources` ()
- std::string * `mutable_column_sources` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_row_attributes` ()
- ::briar::Attribute * `mutable_row_attributes` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_row_headers` ()
- std::string * `mutable_row_headers` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * `mutable_row_headers_integer` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_row_sources` ()
- std::string * `mutable_row_sources` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarVector > * `mutable_rows` ()
- ::briar::BriarVector * `mutable_rows` (int index)
- `BriarMatrix` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `BriarMatrix` & `operator=` (`BriarMatrix` &&from) noexcept
- `BriarMatrix` & `operator=` (const `BriarMatrix` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `row_attributes` () const
- const ::briar::Attribute & `row_attributes` (int index) const
- int `row_attributes_size` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `row_headers` () const
- const std::string & `row_headers` (int index) const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & `row_headers_integer` () const
- int32_t `row_headers_integer` (int index) const
- int `row_headers_integer_size` () const
- int `row_headers_size` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `row_sources` () const
- const std::string & `row_sources` (int index) const
- int `row_sources_size` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarVector > & `rows` () const
- const ::briar::BriarVector & `rows` (int index) const
- int `rows_size` () const
- void `set_column_headers` (int index, const char *value)
- void `set_column_headers` (int index, const char *value, size_t size)
- void `set_column_headers` (int index, const std::string &value)
- void `set_column_headers` (int index, std::string &&value)
- void `set_column_headers_integer` (int index, int32_t value)
- void `set_column_sources` (int index, const char *value)
- void `set_column_sources` (int index, const char *value, size_t size)
- void `set_column_sources` (int index, const std::string &value)
- void `set_column_sources` (int index, std::string &&value)
- void `set_row_headers` (int index, const char *value)
- void `set_row_headers` (int index, const char *value, size_t size)
- void `set_row_headers` (int index, const std::string &value)

- void `set_row_headers` (int index, std::string &&value)
- void `set_row_headers_integer` (int index, int32_t value)
- void `set_row_sources` (int index, const char *value)
- void `set_row_sources` (int index, const char *value, size_t size)
- void `set_row_sources` (int index, const std::string &value)
- void `set_row_sources` (int index, std::string &&value)
- void `Swap` (`BriarMatrix` *other)
- void `UnsafeArenaSwap` (`BriarMatrix` *other)
- `~BriarMatrix` () override

Static Public Member Functions

- static const `BriarMatrix` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `BriarMatrix` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `BriarMatrix` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void `swap` (`BriarMatrix` &a, `BriarMatrix` &b)

7.125.1 Member Enumeration Documentation

7.125.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kColumnHeadersFieldNumber</code>	
<code>kRowHeadersFieldNumber</code>	
<code>kColumnHeadersIntegerFieldNumber</code>	
<code>kRowHeadersIntegerFieldNumber</code>	
<code>kColumnSourcesFieldNumber</code>	
<code>kRowSourcesFieldNumber</code>	
<code>kColumnAttributesFieldNumber</code>	

7.125.2 Constructor & Destructor Documentation

7.125.2.1 BriarMatrix() [1/5]

```
briar::BriarMatrix::BriarMatrix ( ) [inline]
```

7.125.2.2 ~BriarMatrix()

```
briar::BriarMatrix::~BriarMatrix ( ) [override]
```

7.125.2.3 BriarMatrix() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarMatrix::BriarMatrix (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.125.2.4 BriarMatrix() [3/5]

```
briar::BriarMatrix::BriarMatrix (
    const BriarMatrix & from )
```

7.125.2.5 BriarMatrix() [4/5]

```
briar::BriarMatrix::BriarMatrix (
    BriarMatrix && from ) [inline], [noexcept]
```

7.125.2.6 BriarMatrix() [5/5]

```
briar::BriarMatrix::BriarMatrix (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.125.3 Member Function Documentation

7.125.3.1 `_InternalParse()`

```
const char * briar::BriarMatrix::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.125.3.2 `_InternalSerialize()`

```
uint8_t * briar::BriarMatrix::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.125.3.3 `add_column_attributes()`

```
briar::Attribute * briar::BriarMatrix::add_column_attributes () [inline]
```

7.125.3.4 `add_column_headers()` [1/5]

```
std::string * briar::BriarMatrix::add_column_headers () [inline]
```

7.125.3.5 `add_column_headers()` [2/5]

```
void briar::BriarMatrix::add_column_headers (
    const char * value ) [inline]
```

7.125.3.6 `add_column_headers()` [3/5]

```
void briar::BriarMatrix::add_column_headers (
    const char * value,
    size_t size ) [inline]
```

7.125.3.7 `add_column_headers()` [4/5]

```
void briar::BriarMatrix::add_column_headers (
    const std::string & value ) [inline]
```

7.125.3.8 add_column_headers() [5/5]

```
void briar::BriarMatrix::add_column_headers (
    std::string && value ) [inline]
```

7.125.3.9 add_column_headers_integer()

```
void briar::BriarMatrix::add_column_headers_integer (
    int32_t value ) [inline]
```

7.125.3.10 add_column_sources() [1/5]

```
std::string * briar::BriarMatrix::add_column_sources ( ) [inline]
```

7.125.3.11 add_column_sources() [2/5]

```
void briar::BriarMatrix::add_column_sources (
    const char * value ) [inline]
```

7.125.3.12 add_column_sources() [3/5]

```
void briar::BriarMatrix::add_column_sources (
    const char * value,
    size_t size ) [inline]
```

7.125.3.13 add_column_sources() [4/5]

```
void briar::BriarMatrix::add_column_sources (
    const std::string & value ) [inline]
```

7.125.3.14 add_column_sources() [5/5]

```
void briar::BriarMatrix::add_column_sources (
    std::string && value ) [inline]
```

7.125.3.15 add_row_attributes()

```
briar::Attribute * briar::BriarMatrix::add_row_attributes ( ) [inline]
```

7.125.3.16 add_row_headers() [1/5]

```
std::string * briar::BriarMatrix::add_row_headers ( ) [inline]
```

7.125.3.17 add_row_headers() [2/5]

```
void briar::BriarMatrix::add_row_headers (
    const char * value ) [inline]
```

7.125.3.18 add_row_headers() [3/5]

```
void briar::BriarMatrix::add_row_headers (
    const char * value,
    size_t size ) [inline]
```

7.125.3.19 add_row_headers() [4/5]

```
void briar::BriarMatrix::add_row_headers (
    const std::string & value ) [inline]
```

7.125.3.20 add_row_headers() [5/5]

```
void briar::BriarMatrix::add_row_headers (
    std::string && value ) [inline]
```

7.125.3.21 add_row_headers_integer()

```
void briar::BriarMatrix::add_row_headers_integer (
    int32_t value ) [inline]
```

7.125.3.22 add_row_sources() [1/5]

```
std::string * briar::BriarMatrix::add_row_sources ( ) [inline]
```

7.125.3.23 add_row_sources() [2/5]

```
void briar::BriarMatrix::add_row_sources (
    const char * value ) [inline]
```

7.125.3.24 add_row_sources() [3/5]

```
void briar::BriarMatrix::add_row_sources (
    const char * value,
    size_t size ) [inline]
```

7.125.3.25 add_row_sources() [4/5]

```
void briar::BriarMatrix::add_row_sources (
    const std::string & value ) [inline]
```

7.125.3.26 add_row_sources() [5/5]

```
void briar::BriarMatrix::add_row_sources (
    std::string && value ) [inline]
```

7.125.3.27 add_rows()

```
briar::BriarVector * briar::BriarMatrix::add_rows ( ) [inline]
```

7.125.3.28 ByteSizeLong()

```
size_t briar::BriarMatrix::ByteSizeLong ( ) const [final]
```

7.125.3.29 Clear()

```
void briar::BriarMatrix::Clear ( ) [final]
```

7.125.3.30 clear_column_attributes()

```
void briar::BriarMatrix::clear_column_attributes ( ) [inline]
```

7.125.3.31 clear_column_headers()

```
void briar::BriarMatrix::clear_column_headers ( ) [inline]
```

7.125.3.32 clear_column_headers_integer()

```
void briar::BriarMatrix::clear_column_headers_integer ( ) [inline]
```

7.125.3.33 clear_column_sources()

```
void briar::BriarMatrix::clear_column_sources ( ) [inline]
```

7.125.3.34 clear_row_attributes()

```
void briar::BriarMatrix::clear_row_attributes ( ) [inline]
```

7.125.3.35 clear_row_headers()

```
void briar::BriarMatrix::clear_row_headers ( ) [inline]
```

7.125.3.36 clear_row_headers_integer()

```
void briar::BriarMatrix::clear_row_headers_integer ( ) [inline]
```

7.125.3.37 clear_row_sources()

```
void briar::BriarMatrix::clear_row_sources ( ) [inline]
```

7.125.3.38 clear_rows()

```
void briar::BriarMatrix::clear_rows ( ) [inline]
```

7.125.3.39 column_attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::BriarMatrix::column_attributes ( ) const [inline]
```

7.125.3.40 column_attributes() [2/2]

```
const ::briar::Attribute & briar::BriarMatrix::column_attributes ( int index ) const [inline]
```

7.125.3.41 column_attributes_size()

```
int briar::BriarMatrix::column_attributes_size ( ) const [inline]
```

7.125.3.42 column_headers() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarMatrix::column_headers ( ) const [inline]
```

7.125.3.43 column_headers() [2/2]

```
const std::string & briar::BriarMatrix::column_headers ( int index ) const [inline]
```

7.125.3.44 column_headers_integer() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & briar::BriarMatrix::column_headers<->  
_integer ( ) const [inline]
```

7.125.3.45 column_headers_integer() [2/2]

```
int32_t briar::BriarMatrix::column_headers_integer (   
    int index ) const [inline]
```

7.125.3.46 column_headers_integer_size()

```
int briar::BriarMatrix::column_headers_integer_size ( ) const [inline]
```

7.125.3.47 column_headers_size()

```
int briar::BriarMatrix::column_headers_size ( ) const [inline]
```

7.125.3.48 column_sources() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarMatrix::column_sources ( ) const [inline]
```

7.125.3.49 column_sources() [2/2]

```
const std::string & briar::BriarMatrix::column_sources (   
    int index ) const [inline]
```

7.125.3.50 column_sources_size()

```
int briar::BriarMatrix::column_sources_size ( ) const [inline]
```

7.125.3.51 CopyFrom()

```
void briar::BriarMatrix::CopyFrom (
    const BriarMatrix & from )
```

7.125.3.52 default_instance()

```
static const BriarMatrix& briar::BriarMatrix::default_instance () [inline], [static]
```

7.125.3.53 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarMatrix::descriptor () [inline], [static]
```

7.125.3.54 GetCachedSize()

```
int briar::BriarMatrix::GetCachedSize () const [inline], [final]
```

7.125.3.55 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarMatrix::GetClassData () const [final]
```

7.125.3.56 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarMatrix::GetDescriptor () [inline], [static]
```

7.125.3.57 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarMatrix::GetMetadata () const [final]
```

7.125.3.58 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarMatrix::GetReflection ( ) [inline],  
[static]
```

7.125.3.59 internal_default_instance()

```
static const BriarMatrix* briar::BriarMatrix::internal_default_instance ( ) [inline], [static]
```

7.125.3.60 IsInitialized()

```
bool briar::BriarMatrix::IsInitialized ( ) const [final]
```

7.125.3.61 MergeFrom()

```
void briar::BriarMatrix::MergeFrom (const BriarMatrix & from)
```

7.125.3.62 mutable_column_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::BriarMatrix::mutable_<-  
column_attributes ( ) [inline]
```

7.125.3.63 mutable_column_attributes() [2/2]

```
briar::Attribute * briar::BriarMatrix::mutable_column_attributes (int index) [inline]
```

7.125.3.64 mutable_column_headers() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarMatrix::mutable_column_<-  
headers ( ) [inline]
```

7.125.3.65 mutable_column_headers() [2/2]

```
std::string * briar::BriarMatrix::mutable_column_headers (
    int index ) [inline]
```

7.125.3.66 mutable_column_headers_integer()

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * briar::BriarMatrix::mutable_column_headers_integer (
) [inline]
```

7.125.3.67 mutable_column_sources() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarMatrix::mutable_column_sources (
) [inline]
```

7.125.3.68 mutable_column_sources() [2/2]

```
std::string * briar::BriarMatrix::mutable_column_sources (
    int index ) [inline]
```

7.125.3.69 mutable_row_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::BriarMatrix::mutable_row_attributes (
) [inline]
```

7.125.3.70 mutable_row_attributes() [2/2]

```
briar::Attribute * briar::BriarMatrix::mutable_row_attributes (
    int index ) [inline]
```

7.125.3.71 mutable_row_headers() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarMatrix::mutable_row_headers (
) [inline]
```

7.125.3.72 `mutable_row_headers()` [2/2]

```
std::string * briar::BriarMatrix::mutable_row_headers (
    int index ) [inline]
```

7.125.3.73 `mutable_row_headers_integer()`

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > * briar::BriarMatrix::mutable_row_headers_<-
integer ( ) [inline]
```

7.125.3.74 `mutable_row_sources()` [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarMatrix::mutable_row_<-
sources ( ) [inline]
```

7.125.3.75 `mutable_row_sources()` [2/2]

```
std::string * briar::BriarMatrix::mutable_row_sources (
    int index ) [inline]
```

7.125.3.76 `mutable_rows()` [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarVector > * briar::BriarMatrix::mutable_<-
_rows ( ) [inline]
```

7.125.3.77 `mutable_rows()` [2/2]

```
briar::BriarVector * briar::BriarMatrix::mutable_rows (
    int index ) [inline]
```

7.125.3.78 `New()`

```
BriarMatrix* briar::BriarMatrix::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.125.3.79 operator=() [1/2]

```
BriarMatrix& briar::BriarMatrix::operator= (
    BriarMatrix && from )  [inline], [noexcept]
```

7.125.3.80 operator=() [2/2]

```
BriarMatrix& briar::BriarMatrix::operator= (
    const BriarMatrix & from )  [inline]
```

7.125.3.81 row_attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::BriarMatrix::row_attributes ( ) const  [inline]
```

7.125.3.82 row_attributes() [2/2]

```
const ::briar::Attribute & briar::BriarMatrix::row_attributes (
    int index ) const  [inline]
```

7.125.3.83 row_attributes_size()

```
int briar::BriarMatrix::row_attributes_size ( ) const  [inline]
```

7.125.3.84 row_headers() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarMatrix::row_headers ( ) const  [inline]
```

7.125.3.85 row_headers() [2/2]

```
const std::string & briar::BriarMatrix::row_headers (
    int index ) const  [inline]
```

7.125.3.86 `row_headers_integer()` [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int32_t > & briar::BriarMatrix::row_headers_<-  
integer ( ) const [inline]
```

7.125.3.87 `row_headers_integer()` [2/2]

```
int32_t briar::BriarMatrix::row_headers_integer (   
    int index ) const [inline]
```

7.125.3.88 `row_headers_integer_size()`

```
int briar::BriarMatrix::row_headers_integer_size ( ) const [inline]
```

7.125.3.89 `row_headers_size()`

```
int briar::BriarMatrix::row_headers_size ( ) const [inline]
```

7.125.3.90 `row_sources()` [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarMatrix::row_<-  
sources ( ) const [inline]
```

7.125.3.91 `row_sources()` [2/2]

```
const std::string & briar::BriarMatrix::row_sources (   
    int index ) const [inline]
```

7.125.3.92 `row_sources_size()`

```
int briar::BriarMatrix::row_sources_size ( ) const [inline]
```

7.125.3.93 rows() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarVector> & briar::BriarMatrix::rows( ) const [inline]
```

7.125.3.94 rows() [2/2]

```
const ::briar::BriarVector & briar::BriarMatrix::rows( int index ) const [inline]
```

7.125.3.95 rows_size()

```
int briar::BriarMatrix::rows_size( ) const [inline]
```

7.125.3.96 set_column_headers() [1/4]

```
void briar::BriarMatrix::set_column_headers( int index, const char * value ) [inline]
```

7.125.3.97 set_column_headers() [2/4]

```
void briar::BriarMatrix::set_column_headers( int index, const char * value, size_t size ) [inline]
```

7.125.3.98 set_column_headers() [3/4]

```
void briar::BriarMatrix::set_column_headers( int index, const std::string & value ) [inline]
```

7.125.3.99 set_column_headers() [4/4]

```
void briar::BriarMatrix::set_column_headers (
    int index,
    std::string && value ) [inline]
```

7.125.3.100 set_column_headers_integer()

```
void briar::BriarMatrix::set_column_headers_integer (
    int index,
    int32_t value ) [inline]
```

7.125.3.101 set_column_sources() [1/4]

```
void briar::BriarMatrix::set_column_sources (
    int index,
    const char * value ) [inline]
```

7.125.3.102 set_column_sources() [2/4]

```
void briar::BriarMatrix::set_column_sources (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.125.3.103 set_column_sources() [3/4]

```
void briar::BriarMatrix::set_column_sources (
    int index,
    const std::string & value ) [inline]
```

7.125.3.104 set_column_sources() [4/4]

```
void briar::BriarMatrix::set_column_sources (
    int index,
    std::string && value ) [inline]
```

7.125.3.105 set_row_headers() [1/4]

```
void briar::BriarMatrix::set_row_headers (
    int index,
    const char * value ) [inline]
```

7.125.3.106 set_row_headers() [2/4]

```
void briar::BriarMatrix::set_row_headers (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.125.3.107 set_row_headers() [3/4]

```
void briar::BriarMatrix::set_row_headers (
    int index,
    const std::string & value ) [inline]
```

7.125.3.108 set_row_headers() [4/4]

```
void briar::BriarMatrix::set_row_headers (
    int index,
    std::string && value ) [inline]
```

7.125.3.109 set_row_headers_integer()

```
void briar::BriarMatrix::set_row_headers_integer (
    int index,
    int32_t value ) [inline]
```

7.125.3.110 set_row_sources() [1/4]

```
void briar::BriarMatrix::set_row_sources (
    int index,
    const char * value ) [inline]
```

7.125.3.111 `set_row_sources()` [2/4]

```
void briar::BriarMatrix::set_row_sources (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.125.3.112 `set_row_sources()` [3/4]

```
void briar::BriarMatrix::set_row_sources (
    int index,
    const std::string & value ) [inline]
```

7.125.3.113 `set_row_sources()` [4/4]

```
void briar::BriarMatrix::set_row_sources (
    int index,
    std::string && value ) [inline]
```

7.125.3.114 `Swap()`

```
void briar::BriarMatrix::Swap (
    BriarMatrix * other ) [inline]
```

7.125.3.115 `UnsafeArenaSwap()`

```
void briar::BriarMatrix::UnsafeArenaSwap (
    BriarMatrix * other ) [inline]
```

7.125.4 Friends And Related Function Documentation

7.125.4.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.125.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.125.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.125.4.4 swap

```
void swap (
    BriarMatrix & a,
    BriarMatrix & b ) [friend]
```

7.125.5 Member Data Documentation

7.125.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarMatrix::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarMatrix::MergeImpl
}
```

7.125.5.2 kIndexInFileMessages

```
constexpr int briar::BriarMatrix::kIndexInFileMessages [static], [constexpr]
```

Initial value:

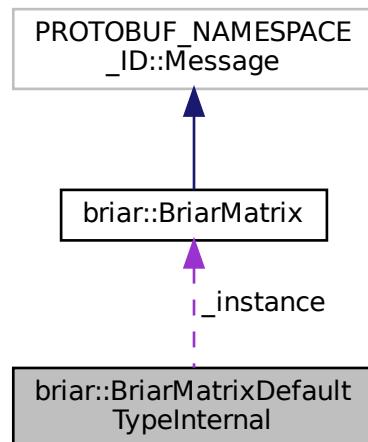
```
=
13
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.126 briar::BriarMatrixDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarMatrixDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarMatrixDefaultTypeInternal ()
- [~BriarMatrixDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 BriarMatrix _instance

};

7.126.1 Constructor & Destructor Documentation

7.126.1.1 [BriarMatrixDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::BriarMatrixDefaultTypeInternal::BriarMatrixDefaultTypeInternal ( )
[inline]
```

7.126.1.2 ~BriarMatrixDefaultTypeInternal()

```
briar::BriarMatrixDefaultTypeInternal::~BriarMatrixDefaultTypeInternal ( ) [inline]
```

7.126.2 Member Data Documentation

7.126.2.1

```
union { ... }
```

7.126.2.2 _instance

```
BriarMatrix briar::BriarMatrixDefaultTypeInternal::_instance
```

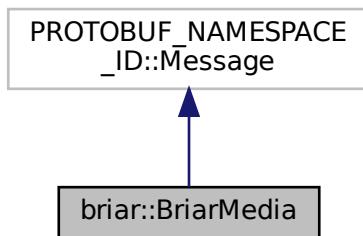
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar.pb.cc](#)

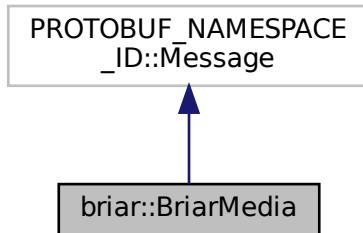
7.127 briar::BriarMedia Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarMedia:



Collaboration diagram for briar::BriarMedia:



Classes

- class [_Internal](#)

Public Types

- enum : int {

kMetadataFieldNumber = 19 , kDataFieldNumber = 13 , kSourceFieldNumber = 14 , kServersideSourceFieldNumber

= 15 ,

kDescriptionFieldNumber = 16 , kDatetimeFieldNumber = 17 , kWidhtFieldNumber = 1 , kHeightFieldNumber

= 2 ,

kChannelsFieldNumber = 3 , kFrameCountFieldNumber = 4 , kFrameStartFieldNumber = 5 , kFrameEndFieldNumber

= 6 ,

kFrameRateFieldNumber = 7 , kSegmentIdFieldNumber = 8 , kSegmentTotalFieldNumber = 9 ,

kFrameNumberFieldNumber = 10 ,

kTypeFieldNumber = 11 , kSourceTypeFieldNumber = 12 , kIsCroppedFieldNumber = 18 }
- typedef [BriarMedia_DataType](#) [DataType](#)

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::MediaMetadata * [add_metadata](#) ()
- [BriarMedia](#) ()
- PROTOBUF_CONSTEXPR [BriarMedia](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarMedia](#) ([BriarMedia](#) &&from) noexcept
- [BriarMedia](#) (const [BriarMedia](#) &from)
- size_t [ByteSizeLong](#) () const final
- int32_t [channels](#) () const
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_channels](#) ()
- void [clear_data](#) ()
- void [clear_datetime](#) ()

- void `clear_description ()`
- void `clear_frame_count ()`
- void `clear_frame_end ()`
- void `clear_frame_number ()`
- void `clear_frame_rate ()`
- void `clear_frame_start ()`
- void `clear_height ()`
- void `clear_iscropped ()`
- void `clear_metadata ()`
- void `clear_segment_id ()`
- void `clear_segment_total ()`
- void `clear_serverside_source ()`
- void `clear_source ()`
- void `clear_source_type ()`
- void `clear_type ()`
- void `clear_width ()`
- void `CopyFrom (const BriarMedia &from)`
- const std::string & `data () const`
- const std::string & `datetime () const`
- const std::string & `description () const`
- int32_t `frame_count () const`
- int32_t `frame_end () const`
- int32_t `frame_number () const`
- float `frame_rate () const`
- int32_t `frame_start () const`
- int `GetCachedSize () const final`
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData () const final`
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata () const final`
- int32_t `height () const`
- bool `iscropped () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const BriarMedia &from)`
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::MediaMetadata > & `metadata () const`
- const ::briar::MediaMetadata & `metadata (int index) const`
- int `metadata_size () const`
- std::string * `mutable_data ()`
- std::string * `mutable_datetime ()`
- std::string * `mutable_description ()`
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::MediaMetadata > * `mutable_metadata ()`
- ::briar::MediaMetadata * `mutable_metadata (int index)`
- std::string * `mutable_serverside_source ()`
- std::string * `mutable_source ()`
- BriarMedia * `New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- BriarMedia & `operator= (BriarMedia &&from) noexcept`
- BriarMedia & `operator= (const BriarMedia &from)`
- PROTOBUF_NODISCARD std::string * `release_data ()`
- PROTOBUF_NODISCARD std::string * `release_datetime ()`
- PROTOBUF_NODISCARD std::string * `release_description ()`
- PROTOBUF_NODISCARD std::string * `release_serverside_source ()`
- PROTOBUF_NODISCARD std::string * `release_source ()`
- int32_t `segment_id () const`
- int32_t `segment_total () const`
- const std::string & `serverside_source () const`
- void `set_allocated_data (std::string *data)`
- void `set_allocated_datetime (std::string *datetime)`

- void `set_allocated_description` (std::string *`description`)
- void `set_allocated_serverside_source` (std::string *`serverside_source`)
- void `set_allocated_source` (std::string *`source`)
- void `set_channels` (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_data` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_data` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_datetime` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_datetime` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_description` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_description` (ArgT0 &&arg0, ArgT... args)
- void `set_frame_count` (int32_t value)
- void `set_frame_end` (int32_t value)
- void `set_frame_number` (int32_t value)
- void `set_frame_rate` (float value)
- void `set_frame_start` (int32_t value)
- void `set_height` (int32_t value)
- void `set_iscropped` (bool value)
- void `set_segment_id` (int32_t value)
- void `set_segment_total` (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_serverside_source` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_serverside_source` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_source` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_source` (ArgT0 &&arg0, ArgT... args)
- void `set_source_type` (::briar::BriarMedia_DataType value)
- void `set_type` (::briar::BriarMedia_DataType value)
- void `set_width` (int32_t value)
- const std::string & `source` () const
- ::briar::BriarMedia_DataType `source_type` () const
- void `Swap` (BriarMedia *other)
- ::briar::BriarMedia_DataType `type` () const
- void `UnsafeArenaSwap` (BriarMedia *other)
- int32_t `width` () const
- `~BriarMedia` () override

Static Public Member Functions

- static const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `DataType_descriptor` ()
- static bool `DataType_IsValid` (int value)
- template<typename T >
static const std::string & `DataType_Name` (T enum_t_value)
- static bool `DataType_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, `DataType` *value)
- static const `BriarMedia & default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `BriarMedia * internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `DataType_ARRAYSIZE`
- static constexpr `DataType DataType_MAX`
- static constexpr `DataType DataType_MIN`
- static constexpr `DataType EPS`
- static constexpr `DataType FLOAT32`
- static constexpr `DataType GENERIC_IMAGE`
- static constexpr `DataType GENERIC_VIDEO`
- static constexpr `DataType GIF`
- static constexpr `DataType H264`
- static constexpr `DataType H265`
- static constexpr `DataType JPG`
- static constexpr int `kIndexInFileMessages`
- static constexpr `DataType MJPG`
- static constexpr `DataType MONO16`
- static constexpr `DataType MONO8`
- static constexpr `DataType MP4`
- static constexpr `DataType PNG`
- static constexpr `DataType RAW`
- static constexpr `DataType RGB16`
- static constexpr `DataType RGB8`
- static constexpr `DataType RGBA16`
- static constexpr `DataType RGBA8`
- static constexpr `DataType SOURCE_ONLY`
- static constexpr `DataType TIF`
- static constexpr `DataType URL`

Protected Member Functions

- `BriarMedia` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void `swap` (`BriarMedia` &a, `BriarMedia` &b)

7.127.1 Member Typedef Documentation

7.127.1.1 `DataType`

```
typedef BriarMedia_DataType briar::BriarMedia::DataType
```

7.127.2 Member Enumeration Documentation

7.127.2.1 `anonymous enum`

```
anonymous enum : int
```

Enumerator

kMetadataFieldNumber	
kDataFieldNumber	
kSourceFieldNumber	
kServersideSourceFieldNumber	
kDescriptionFieldNumber	
kDatetimeFieldNumber	
kWidthFieldNumber	
kHeightFieldNumber	
kChannelsFieldNumber	
kFrameCountFieldNumber	
kFrameStartFieldNumber	
kFrameEndFieldNumber	
kFrameRateFieldNumber	
kSegmentIdFieldNumber	
kSegmentTotalFieldNumber	
kFrameNumberFieldNumber	
kTypeFieldNumber	
kSourceTypeFieldNumber	
kIsCroppedFieldNumber	

7.127.3 Constructor & Destructor Documentation**7.127.3.1 BriarMedia() [1/5]**

```
briar::BriarMedia::BriarMedia ( ) [inline]
```

7.127.3.2 ~BriarMedia()

```
briar::BriarMedia::~BriarMedia ( ) [override]
```

7.127.3.3 BriarMedia() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarMedia::BriarMedia (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.127.3.4 BriarMedia() [3/5]

```
briar::BriarMedia::BriarMedia (
    const BriarMedia & from )
```

7.127.3.5 BriarMedia() [4/5]

```
briar::BriarMedia::BriarMedia (
    BriarMedia && from ) [inline], [noexcept]
```

7.127.3.6 BriarMedia() [5/5]

```
briar::BriarMedia::BriarMedia (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.127.4 Member Function Documentation

7.127.4.1 _InternalParse()

```
const char * briar::BriarMedia::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.127.4.2 _InternalSerialize()

```
uint8_t * briar::BriarMedia::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.127.4.3 add_metadata()

```
briar::MediaMetadata * briar::BriarMedia::add_metadata () [inline]
```

7.127.4.4 **ByteSizeLong()**

```
size_t briar::BriarMedia::ByteSizeLong ( ) const [final]
```

7.127.4.5 **channels()**

```
int32_t briar::BriarMedia::channels ( ) const [inline]
```

7.127.4.6 **Clear()**

```
void briar::BriarMedia::Clear ( ) [final]
```

7.127.4.7 **clear_channels()**

```
void briar::BriarMedia::clear_channels ( ) [inline]
```

7.127.4.8 **clear_data()**

```
void briar::BriarMedia::clear_data ( ) [inline]
```

7.127.4.9 **clear_datetime()**

```
void briar::BriarMedia::clear_datetime ( ) [inline]
```

7.127.4.10 **clear_description()**

```
void briar::BriarMedia::clear_description ( ) [inline]
```

7.127.4.11 **clear_frame_count()**

```
void briar::BriarMedia::clear_frame_count ( ) [inline]
```

7.127.4.12 clear_frame_end()

```
void briar::BriarMedia::clear_frame_end ( ) [inline]
```

7.127.4.13 clear_frame_number()

```
void briar::BriarMedia::clear_frame_number ( ) [inline]
```

7.127.4.14 clear_frame_rate()

```
void briar::BriarMedia::clear_frame_rate ( ) [inline]
```

7.127.4.15 clear_frame_start()

```
void briar::BriarMedia::clear_frame_start ( ) [inline]
```

7.127.4.16 clear_height()

```
void briar::BriarMedia::clear_height ( ) [inline]
```

7.127.4.17 clear_iscropped()

```
void briar::BriarMedia::clear_iscropped ( ) [inline]
```

7.127.4.18 clear_metadata()

```
void briar::BriarMedia::clear_metadata ( ) [inline]
```

7.127.4.19 clear_segment_id()

```
void briar::BriarMedia::clear_segment_id ( ) [inline]
```

7.127.4.20 clear_segment_total()

```
void briar::BriarMedia::clear_segment_total ( ) [inline]
```

7.127.4.21 clear_serverside_source()

```
void briar::BriarMedia::clear_serverside_source ( ) [inline]
```

7.127.4.22 clear_source()

```
void briar::BriarMedia::clear_source ( ) [inline]
```

7.127.4.23 clear_source_type()

```
void briar::BriarMedia::clear_source_type ( ) [inline]
```

7.127.4.24 clear_type()

```
void briar::BriarMedia::clear_type ( ) [inline]
```

7.127.4.25 clear_width()

```
void briar::BriarMedia::clear_width ( ) [inline]
```

7.127.4.26 CopyFrom()

```
void briar::BriarMedia::CopyFrom (
    const BriarMedia & from )
```

7.127.4.27 data()

```
const std::string & briar::BriarMedia::data ( ) const [inline]
```

7.127.4.28 DataType_descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor* briar::BriarMedia::DataType_descriptor ( ) [inline], [static]
```

7.127.4.29 DataType_IsValid()

```
static bool briar::BriarMedia::DataType_IsValid ( int value ) [inline], [static]
```

7.127.4.30 DataType_Name()

```
template<typename T >  
static const std::string& briar::BriarMedia::DataType_Name ( T enum_t_value ) [inline], [static]
```

7.127.4.31 DataType_Parse()

```
static bool briar::BriarMedia::DataType_Parse ( ::PROTOBUF_NAMESPACE_ID::ConstStringParam name, DataType * value ) [inline], [static]
```

7.127.4.32 datetime()

```
const std::string & briar::BriarMedia::datetime ( ) const [inline]
```

7.127.4.33 default_instance()

```
static const BriarMedia& briar::BriarMedia::default_instance ( ) [inline], [static]
```

7.127.4.34 `description()`

```
const std::string & briar::BriarMedia::description() const [inline]
```

7.127.4.35 `descriptor()`

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarMedia::descriptor() const [inline], [static]
```

7.127.4.36 `frame_count()`

```
int32_t briar::BriarMedia::frame_count() const [inline]
```

7.127.4.37 `frame_end()`

```
int32_t briar::BriarMedia::frame_end() const [inline]
```

7.127.4.38 `frame_number()`

```
int32_t briar::BriarMedia::frame_number() const [inline]
```

7.127.4.39 `frame_rate()`

```
float briar::BriarMedia::frame_rate() const [inline]
```

7.127.4.40 `frame_start()`

```
int32_t briar::BriarMedia::frame_start() const [inline]
```

7.127.4.41 GetCachedSize()

```
int briar::BriarMedia::GetCachedSize ( ) const [inline], [final]
```

7.127.4.42 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarMedia::GetClassData ( ) const [final]
```

7.127.4.43 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarMedia::GetDescriptor ( ) [inline], [static]
```

7.127.4.44 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarMedia::GetMetadata ( ) const [final]
```

7.127.4.45 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarMedia::GetReflection ( ) [inline], [static]
```

7.127.4.46 height()

```
int32_t briar::BriarMedia::height ( ) const [inline]
```

7.127.4.47 internal_default_instance()

```
static const BriarMedia* briar::BriarMedia::internal_default_instance ( ) [inline], [static]
```

7.127.4.48 iscropped()

```
bool briar::BriarMedia::iscropped () const [inline]
```

7.127.4.49 IsInitialized()

```
bool briar::BriarMedia::IsInitialized () const [final]
```

7.127.4.50 MergeFrom()

```
void briar::BriarMedia::MergeFrom (
    const BriarMedia & from )
```

7.127.4.51 metadata() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::MediaMetadata> & briar::BriarMedia::metadata () const [inline]
```

7.127.4.52 metadata() [2/2]

```
const ::briar::MediaMetadata & briar::BriarMedia::metadata (
    int index ) const [inline]
```

7.127.4.53 metadata_size()

```
int briar::BriarMedia::metadata_size () const [inline]
```

7.127.4.54 mutable_data()

```
std::string * briar::BriarMedia::mutable_data () [inline]
```

7.127.4.55 mutable_datetime()

```
std::string * briar::BriarMedia::mutable_datetime ( ) [inline]
```

7.127.4.56 mutable_description()

```
std::string * briar::BriarMedia::mutable_description ( ) [inline]
```

7.127.4.57 mutable_metadata() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::MediaMetadata> * briar::BriarMedia::mutable_metadata ( ) [inline]
```

7.127.4.58 mutable_metadata() [2/2]

```
briar::MediaMetadata * briar::BriarMedia::mutable_metadata ( int index ) [inline]
```

7.127.4.59 mutable_serverside_source()

```
std::string * briar::BriarMedia::mutable_serverside_source ( ) [inline]
```

7.127.4.60 mutable_source()

```
std::string * briar::BriarMedia::mutable_source ( ) [inline]
```

7.127.4.61 New()

```
BriarMedia* briar::BriarMedia::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.127.4.62 operator=() [1/2]

```
BriarMedia& briar::BriarMedia::operator= (
    BriarMedia && from )  [inline], [noexcept]
```

7.127.4.63 operator=() [2/2]

```
BriarMedia& briar::BriarMedia::operator= (
    const BriarMedia & from )  [inline]
```

7.127.4.64 release_data()

```
std::string * briar::BriarMedia::release_data ( )  [inline]
```

7.127.4.65 release_datetime()

```
std::string * briar::BriarMedia::release_datetime ( )  [inline]
```

7.127.4.66 release_description()

```
std::string * briar::BriarMedia::release_description ( )  [inline]
```

7.127.4.67 release_serverside_source()

```
std::string * briar::BriarMedia::release_serverside_source ( )  [inline]
```

7.127.4.68 release_source()

```
std::string * briar::BriarMedia::release_source ( )  [inline]
```

7.127.4.69 segment_id()

```
int32_t briar::BriarMedia::segment_id ( ) const [inline]
```

7.127.4.70 segment_total()

```
int32_t briar::BriarMedia::segment_total ( ) const [inline]
```

7.127.4.71 serverside_source()

```
const std::string & briar::BriarMedia::serverside_source ( ) const [inline]
```

7.127.4.72 set_allocated_data()

```
void briar::BriarMedia::set_allocated_data (
    std::string * data ) [inline]
```

7.127.4.73 set_allocated_datetime()

```
void briar::BriarMedia::set_allocated_datetime (
    std::string * datetime ) [inline]
```

7.127.4.74 set_allocated_description()

```
void briar::BriarMedia::set_allocated_description (
    std::string * description ) [inline]
```

7.127.4.75 set_allocated_serverside_source()

```
void briar::BriarMedia::set_allocated_serverside_source (
    std::string * serverside_source ) [inline]
```

7.127.4.76 `set_allocated_source()`

```
void briar::BriarMedia::set_allocated_source (
    std::string * source ) [inline]
```

7.127.4.77 `set_channels()`

```
void briar::BriarMedia::set_channels (
    int32_t value ) [inline]
```

7.127.4.78 `set_data() [1/2]`

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarMedia::set_data (
    ArgT0 && arg0,
    ArgT... args )
```

7.127.4.79 `set_data() [2/2]`

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarMedia::set_data (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.127.4.80 `set_datetime() [1/2]`

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarMedia::set_datetime (
    ArgT0 && arg0,
    ArgT... args )
```

7.127.4.81 `set_datetime() [2/2]`

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarMedia::set_datetime (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.127.4.82 set_description() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarMedia::set_description (
    ArgT0 && arg0,
    ArgT... args )
```

7.127.4.83 set_description() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarMedia::set_description (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.127.4.84 set_frame_count()

```
void briar::BriarMedia::set_frame_count (
    int32_t value ) [inline]
```

7.127.4.85 set_frame_end()

```
void briar::BriarMedia::set_frame_end (
    int32_t value ) [inline]
```

7.127.4.86 set_frame_number()

```
void briar::BriarMedia::set_frame_number (
    int32_t value ) [inline]
```

7.127.4.87 set_frame_rate()

```
void briar::BriarMedia::set_frame_rate (
    float value ) [inline]
```

7.127.4.88 set_frame_start()

```
void briar::BriarMedia::set_frame_start (
    int32_t value ) [inline]
```

7.127.4.89 set_height()

```
void briar::BriarMedia::set_height (
    int32_t value ) [inline]
```

7.127.4.90 set_iscropped()

```
void briar::BriarMedia::set_iscropped (
    bool value ) [inline]
```

7.127.4.91 set_segment_id()

```
void briar::BriarMedia::set_segment_id (
    int32_t value ) [inline]
```

7.127.4.92 set_segment_total()

```
void briar::BriarMedia::set_segment_total (
    int32_t value ) [inline]
```

7.127.4.93 set_serverside_source() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarMedia::set_serverside_source (
    ArgT0 && arg0,
    ArgT... args )
```

7.127.4.94 set_serverside_source() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarMedia::set_serverside_source (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.127.4.95 set_source() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarMedia::set_source (
    ArgT0 && arg0,
    ArgT... args )
```

7.127.4.96 set_source() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarMedia::set_source (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.127.4.97 set_source_type()

```
void briar::BriarMedia::set_source_type (
    ::briar::BriarMedia_DataType value ) [inline]
```

7.127.4.98 set_type()

```
void briar::BriarMedia::set_type (
    ::briar::BriarMedia_DataType value ) [inline]
```

7.127.4.99 set_width()

```
void briar::BriarMedia::set_width (
    int32_t value ) [inline]
```

7.127.4.100 `source()`

```
const std::string & briar::BriarMedia::source() const [inline]
```

7.127.4.101 `source_type()`

```
briar::BriarMedia_DataType briar::BriarMedia::source_type() const [inline]
```

7.127.4.102 `Swap()`

```
void briar::BriarMedia::Swap(
    BriarMedia * other) [inline]
```

7.127.4.103 `type()`

```
briar::BriarMedia_DataType briar::BriarMedia::type() const [inline]
```

7.127.4.104 `UnsafeArenaSwap()`

```
void briar::BriarMedia::UnsafeArenaSwap(
    BriarMedia * other) [inline]
```

7.127.4.105 `width()`

```
int32_t briar::BriarMedia::width() const [inline]
```

7.127.5 Friends And Related Function Documentation

7.127.5.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T>
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.127.5.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.127.5.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.127.5.4 swap

```
void swap (
    BriarMedia & a,
    BriarMedia & b ) [friend]
```

7.127.6 Member Data Documentation

7.127.6.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarMedia::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarMedia::MergeImpl
}
```

7.127.6.2 DataType_ARRAYSIZE

```
constexpr int briar::BriarMedia::DataType_ARRAYSIZE [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_DataType_ARRAYSIZE
```

7.127.6.3 DataType_MAX

```
constexpr BriarMedia_DataType briar::BriarMedia::DataType_MAX [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_DataType_MAX
```

7.127.6.4 **DataType_MIN**

```
constexpr BriarMedia_DataType briar::BriarMedia::DataType_MIN [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_DataType_MIN
```

7.127.6.5 **EPS**

```
constexpr BriarMedia_DataType briar::BriarMedia::EPS [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_EPS
```

7.127.6.6 **FLOAT32**

```
constexpr BriarMedia_DataType briar::BriarMedia::FLOAT32 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_FLOAT32
```

7.127.6.7 **GENERIC_IMAGE**

```
constexpr BriarMedia_DataType briar::BriarMedia::GENERIC_IMAGE [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_GENERIC_IMAGE
```

7.127.6.8 **GENERIC_VIDEO**

```
constexpr BriarMedia_DataType briar::BriarMedia::GENERIC_VIDEO [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_GENERIC_VIDEO
```

7.127.6.9 GIF

```
constexpr BriarMedia_DataType briar::BriarMedia::GIF [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_GIF
```

7.127.6.10 H264

```
constexpr BriarMedia_DataType briar::BriarMedia::H264 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_H264
```

7.127.6.11 H265

```
constexpr BriarMedia_DataType briar::BriarMedia::H265 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_H265
```

7.127.6.12 JPG

```
constexpr BriarMedia_DataType briar::BriarMedia::JPG [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_JPG
```

7.127.6.13 kIndexInFileMessages

```
constexpr int briar::BriarMedia::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 5
```

7.127.6.14 MJPG

```
constexpr BriarMedia_DataType briar::BriarMedia::MJPG [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_MJPG
```

7.127.6.15 MONO16

```
constexpr BriarMedia_DataType briar::BriarMedia::MONO16 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_MONO16
```

7.127.6.16 MONO8

```
constexpr BriarMedia_DataType briar::BriarMedia::MONO8 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_MONO8
```

7.127.6.17 MP4

```
constexpr BriarMedia_DataType briar::BriarMedia::MP4 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_MP4
```

7.127.6.18 PNG

```
constexpr BriarMedia_DataType briar::BriarMedia::PNG [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_PNG
```

7.127.6.19 RAW

```
constexpr BriarMedia_DataType briar::BriarMedia::RAW [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_RAW
```

7.127.6.20 RGB16

```
constexpr BriarMedia_DataType briar::BriarMedia::RGB16 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_RGB16
```

7.127.6.21 RGB8

```
constexpr BriarMedia_DataType briar::BriarMedia::RGB8 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_RGB8
```

7.127.6.22 RGBA16

```
constexpr BriarMedia_DataType briar::BriarMedia::RGBA16 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_RGBA16
```

7.127.6.23 RGBA8

```
constexpr BriarMedia_DataType briar::BriarMedia::RGBA8 [static], [constexpr]
```

Initial value:

```
= BriarMedia_DataType_RGBA8
```

7.127.6.24 SOURCE_ONLY

```
constexpr BriarMedia_DataType briar::BriarMedia::SOURCE_ONLY [static], [constexpr]
```

Initial value:

```
=  
    BriarMedia_DataType_SOURCE_ONLY
```

7.127.6.25 TIF

```
constexpr BriarMedia_DataType briar::BriarMedia::TIF [static], [constexpr]
```

Initial value:

```
=  
    BriarMedia_DataType_TIF
```

7.127.6.26 URL

```
constexpr BriarMedia_DataType briar::BriarMedia::URL [static], [constexpr]
```

Initial value:

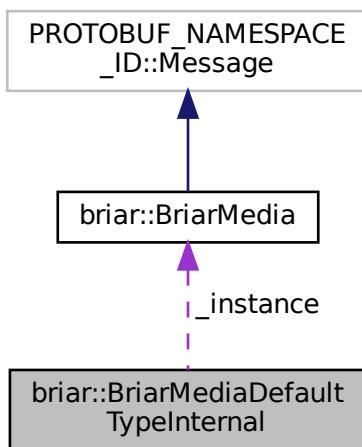
```
=  
    BriarMedia_DataType_URL
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.128 briar::BriarMediaDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarMediaDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarMediaDefaultTypeInternal ()
- ~BriarMediaDefaultTypeInternal ()

Public Attributes

- union {
 BriarMedia _instance
};

7.128.1 Constructor & Destructor Documentation

7.128.1.1 BriarMediaDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarMediaDefaultTypeInternal::BriarMediaDefaultTypeInternal ( )  
[inline]
```

7.128.1.2 ~BriarMediaDefaultTypeInternal()

```
briar::BriarMediaDefaultTypeInternal::~BriarMediaDefaultTypeInternal ( ) [inline]
```

7.128.2 Member Data Documentation

7.128.2.1

```
union { ... }
```

7.128.2.2 _instance

```
BriarMedia briar::BriarMediaDefaultTypeInternal::_instance
```

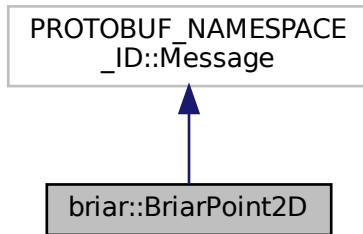
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

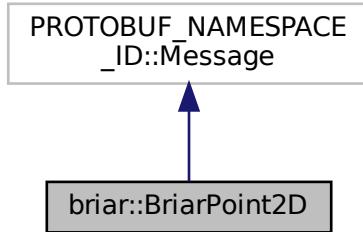
7.129 briar::BriarPoint2D Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarPoint2D:



Collaboration diagram for briar::BriarPoint2D:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kXFieldNumber](#) = 1 , [kYFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarPoint2D](#) ()
- PROTOBUF_CONSTEXPR [BriarPoint2D](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarPoint2D](#) ([BriarPoint2D](#) &&from) noexcept
- [BriarPoint2D](#) (const [BriarPoint2D](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_x](#) ()
- void [clear_y](#) ()
- void [CopyFrom](#) (const [BriarPoint2D](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarPoint2D](#) &from)
- [BriarPoint2D](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarPoint2D](#) & [operator=](#) ([BriarPoint2D](#) &&from) noexcept
- [BriarPoint2D](#) & [operator=](#) (const [BriarPoint2D](#) &from)
- void [set_x](#) (float value)
- void [set_y](#) (float value)
- void [Swap](#) ([BriarPoint2D](#) *other)
- void [UnsafeArenaSwap](#) ([BriarPoint2D](#) *other)
- float [x](#) () const
- float [y](#) () const
- [~BriarPoint2D](#) () override

Static Public Member Functions

- static const [BriarPoint2D](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarPoint2D](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarPoint2D](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned=false](#))

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (BriarPoint2D &a, BriarPoint2D &b)

7.129.1 Member Enumeration Documentation

7.129.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

KXFieldNumber	
KYFieldNumber	

7.129.2 Constructor & Destructor Documentation

7.129.2.1 BriarPoint2D() [1/5]

```
briar::BriarPoint2D::BriarPoint2D ( ) [inline]
```

7.129.2.2 ~BriarPoint2D()

```
briar::BriarPoint2D::~BriarPoint2D ( ) [override]
```

7.129.2.3 BriarPoint2D() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarPoint2D::BriarPoint2D ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.129.2.4 BriarPoint2D() [3/5]

```
briar::BriarPoint2D::BriarPoint2D (
    const BriarPoint2D & from )
```

7.129.2.5 BriarPoint2D() [4/5]

```
briar::BriarPoint2D::BriarPoint2D (
    BriarPoint2D && from ) [inline], [noexcept]
```

7.129.2.6 BriarPoint2D() [5/5]

```
briar::BriarPoint2D::BriarPoint2D (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.129.3 Member Function Documentation

7.129.3.1 _InternalParse()

```
const char * briar::BriarPoint2D::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.129.3.2 _InternalSerialize()

```
uint8_t * briar::BriarPoint2D::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.129.3.3 ByteSizeLong()

```
size_t briar::BriarPoint2D::ByteSizeLong ( ) const [final]
```

7.129.3.4 Clear()

```
void briar::BriarPoint2D::Clear ( ) [final]
```

7.129.3.5 clear_x()

```
void briar::BriarPoint2D::clear_x ( ) [inline]
```

7.129.3.6 clear_y()

```
void briar::BriarPoint2D::clear_y ( ) [inline]
```

7.129.3.7 CopyFrom()

```
void briar::BriarPoint2D::CopyFrom (
    const BriarPoint2D & from )
```

7.129.3.8 default_instance()

```
static const BriarPoint2D& briar::BriarPoint2D::default_instance ( ) [inline], [static]
```

7.129.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarPoint2D::descriptor ( ) [inline], [static]
```

7.129.3.10 GetCachedSize()

```
int briar::BriarPoint2D::GetCachedSize ( ) const [inline], [final]
```

7.129.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarPoint2D::GetClassData ( )
const [final]
```

7.129.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarPoint2D::GetDescriptor ( ) [inline],
[static]
```

7.129.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarPoint2D::GetMetadata ( ) const [final]
```

7.129.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarPoint2D::GetReflection ( ) [inline],
[static]
```

7.129.3.15 internal_default_instance()

```
static const BriarPoint2D* briar::BriarPoint2D::internal_default_instance ( ) [inline], [static]
```

7.129.3.16 IsInitialized()

```
bool briar::BriarPoint2D::IsInitialized ( ) const [final]
```

7.129.3.17 MergeFrom()

```
void briar::BriarPoint2D::MergeFrom (
    const BriarPoint2D & from )
```

7.129.3.18 New()

```
BriarPoint2D* briar::BriarPoint2D::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.129.3.19 operator=() [1/2]

```
BriarPoint2D& briar::BriarPoint2D::operator= (
    BriarPoint2D && from ) [inline], [noexcept]
```

7.129.3.20 operator=() [2/2]

```
BriarPoint2D& briar::BriarPoint2D::operator= (
    const BriarPoint2D & from ) [inline]
```

7.129.3.21 set_x()

```
void briar::BriarPoint2D::set_x (
    float value ) [inline]
```

7.129.3.22 set_y()

```
void briar::BriarPoint2D::set_y (
    float value ) [inline]
```

7.129.3.23 Swap()

```
void briar::BriarPoint2D::Swap (
    BriarPoint2D * other ) [inline]
```

7.129.3.24 UnsafeArenaSwap()

```
void briar::BriarPoint2D::UnsafeArenaSwap (
    BriarPoint2D * other ) [inline]
```

7.129.3.25 x()

```
float briar::BriarPoint2D::x ( ) const [inline]
```

7.129.3.26 y()

```
float briar::BriarPoint2D::y ( ) const [inline]
```

7.129.4 Friends And Related Function Documentation**7.129.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.129.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.129.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.129.4.4 swap

```
void swap (
    BriarPoint2D & a,
    BriarPoint2D & b ) [friend]
```

7.129.5 Member Data Documentation

7.129.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarPoint2D::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarPoint2D::MergeImpl
}
```

7.129.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarPoint2D::kIndexInFileMessages [static], [constexpr]
```

Initial value:

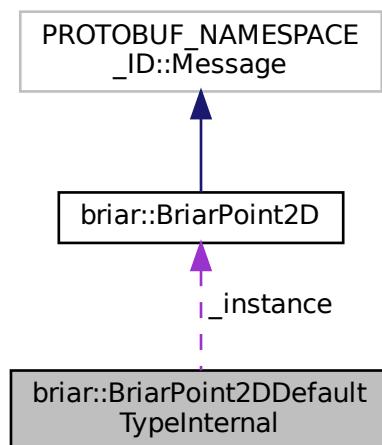
```
=
10
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.130 briar::BriarPoint2DDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarPoint2DDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarPoint2DDefaultTypeInternal ()
- ~BriarPoint2DDefaultTypeInternal ()

Public Attributes

- union {
 BriarPoint2D _instance
};

7.130.1 Constructor & Destructor Documentation

7.130.1.1 BriarPoint2DDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarPoint2DDefaultTypeInternal::BriarPoint2DDefaultTypeInternal( )  
[inline]
```

7.130.1.2 ~BriarPoint2DDefaultTypeInternal()

```
briar::BriarPoint2DDefaultTypeInternal::~BriarPoint2DDefaultTypeInternal( ) [inline]
```

7.130.2 Member Data Documentation

7.130.2.1

```
union { ... }
```

7.130.2.2 _instance

```
BriarPoint2D briar::BriarPoint2DDefaultTypeInternal::_instance
```

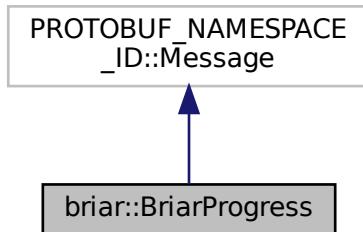
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

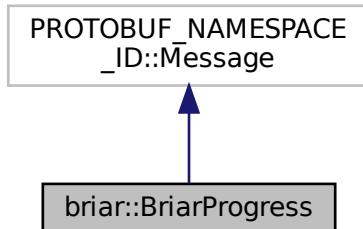
7.131 briar::BriarProgress Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarProgress:



Collaboration diagram for briar::BriarProgress:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kCurrentStepFieldNumber](#) = 1 , [kTotalStepsFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarProgress](#) ()
- PROTOBUF_CONSTEXPR [BriarProgress](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarProgress](#) ([BriarProgress](#) &&from) noexcept
- [BriarProgress](#) (const [BriarProgress](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_currentstep](#) ()
- void [clear_totalsteps](#) ()
- void [CopyFrom](#) (const [BriarProgress](#) &from)
- int64_t [currentstep](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarProgress](#) &from)
- [BriarProgress](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarProgress](#) & [operator=](#) ([BriarProgress](#) &&from) noexcept
- [BriarProgress](#) & [operator=](#) (const [BriarProgress](#) &from)
- void [set_currentstep](#) (int64_t value)
- void [set_totalsteps](#) (int64_t value)
- void [Swap](#) ([BriarProgress](#) *other)
- int64_t [totalsteps](#) () const
- void [UnsafeArenaSwap](#) ([BriarProgress](#) *other)
- [~BriarProgress](#) () override

Static Public Member Functions

- static const [BriarProgress](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarProgress](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarProgress](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (BriarProgress &a, BriarProgress &b)

7.131.1 Member Enumeration Documentation

7.131.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

KCurrentStepFieldNumber	
KTotalStepsFieldNumber	

7.131.2 Constructor & Destructor Documentation

7.131.2.1 BriarProgress() [1/5]

```
briar::BriarProgress::BriarProgress ( ) [inline]
```

7.131.2.2 ~BriarProgress()

```
briar::BriarProgress::~BriarProgress ( ) [override]
```

7.131.2.3 BriarProgress() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarProgress::BriarProgress ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.131.2.4 BriarProgress() [3/5]

```
briar::BriarProgress::BriarProgress (
    const BriarProgress & from )
```

7.131.2.5 BriarProgress() [4/5]

```
briar::BriarProgress::BriarProgress (
    BriarProgress && from ) [inline], [noexcept]
```

7.131.2.6 BriarProgress() [5/5]

```
briar::BriarProgress::BriarProgress (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.131.3 Member Function Documentation

7.131.3.1 _InternalParse()

```
const char * briar::BriarProgress::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.131.3.2 _InternalSerialize()

```
uint8_t * briar::BriarProgress::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.131.3.3 ByteSizeLong()

```
size_t briar::BriarProgress::ByteSizeLong ( ) const [final]
```

7.131.3.4 `Clear()`

```
void briar::BriarProgress::Clear ( ) [final]
```

7.131.3.5 `clear_currentstep()`

```
void briar::BriarProgress::clear_currentstep ( ) [inline]
```

7.131.3.6 `clear_totalsteps()`

```
void briar::BriarProgress::clear_totalsteps ( ) [inline]
```

7.131.3.7 `CopyFrom()`

```
void briar::BriarProgress::CopyFrom (
    const BriarProgress & from )
```

7.131.3.8 `currentstep()`

```
int64_t briar::BriarProgress::currentstep ( ) const [inline]
```

7.131.3.9 `default_instance()`

```
static const BriarProgress& briar::BriarProgress::default_instance ( ) [inline], [static]
```

7.131.3.10 `descriptor()`

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarProgress::descriptor ( ) [inline], [static]
```

7.131.3.11 GetCachedSize()

```
int briar::BriarProgress::GetCachedSize ( ) const [inline], [final]
```

7.131.3.12 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarProgress::GetClassData ( )  
const [final]
```

7.131.3.13 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarProgress::GetDescriptor ( )  
[inline], [static]
```

7.131.3.14 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarProgress::GetMetadata ( ) const [final]
```

7.131.3.15 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarProgress::GetReflection ( )  
[inline], [static]
```

7.131.3.16 internal_default_instance()

```
static const BriarProgress* briar::BriarProgress::internal_default_instance ( ) [inline],  
[static]
```

7.131.3.17 IsInitialized()

```
bool briar::BriarProgress::IsInitialized ( ) const [final]
```

7.131.3.18 MergeFrom()

```
void briar::BriarProgress::MergeFrom (
    const BriarProgress & from )
```

7.131.3.19 New()

```
BriarProgress* briar::BriarProgress::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.131.3.20 operator=() [1/2]

```
BriarProgress& briar::BriarProgress::operator= (
    BriarProgress && from ) [inline], [noexcept]
```

7.131.3.21 operator=() [2/2]

```
BriarProgress& briar::BriarProgress::operator= (
    const BriarProgress & from ) [inline]
```

7.131.3.22 set_currentstep()

```
void briar::BriarProgress::set_currentstep (
    int64_t value ) [inline]
```

7.131.3.23 set_totalsteps()

```
void briar::BriarProgress::set_totalsteps (
    int64_t value ) [inline]
```

7.131.3.24 Swap()

```
void briar::BriarProgress::Swap (
    BriarProgress * other ) [inline]
```

7.131.3.25 totalsteps()

```
int64_t briar::BriarProgress::totalsteps ( ) const [inline]
```

7.131.3.26 UnsafeArenaSwap()

```
void briar::BriarProgress::UnsafeArenaSwap ( BriarProgress * other ) [inline]
```

7.131.4 Friends And Related Function Documentation

7.131.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.131.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.131.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.131.4.4 swap

```
void swap (
    BriarProgress & a,
    BriarProgress & b ) [friend]
```

7.131.5 Member Data Documentation

7.131.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarProgress::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarProgress::MergeImpl
}
```

7.131.5.2 `kIndexInFileMessages`

```
constexpr int briar::BriarProgress::kIndexInFileMessages [static], [constexpr]
```

Initial value:

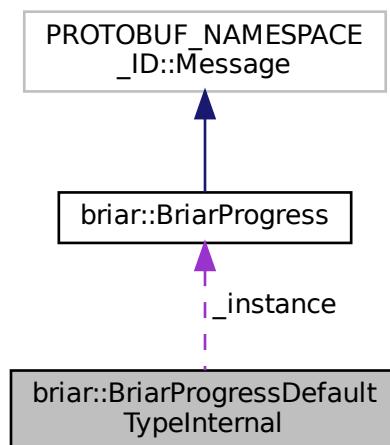
```
=
11
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.132 briar::BriarProgressDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarProgressDefaultTypeInternal:



Public Member Functions

- `PROTOBUF_CONSTEXPR BriarProgressDefaultTypeInternal ()`
- `~BriarProgressDefaultTypeInternal ()`

Public Attributes

- union {
 BriarProgress _instance
};

7.132.1 Constructor & Destructor Documentation

7.132.1.1 BriarProgressDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarProgressDefaultTypeInternal::BriarProgressDefaultTypeInternal ( ) [inline]
```

7.132.1.2 ~BriarProgressDefaultTypeInternal()

```
briar::BriarProgressDefaultTypeInternal::~BriarProgressDefaultTypeInternal ( ) [inline]
```

7.132.2 Member Data Documentation

7.132.2.1

```
union { ... }
```

7.132.2.2 _instance

```
BriarProgress briar::BriarProgressDefaultTypeInternal::_instance
```

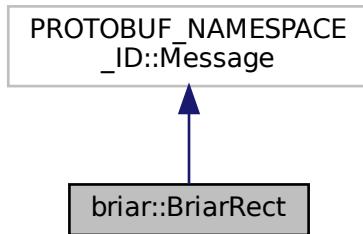
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

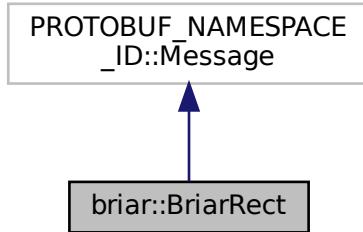
7.133 briar::BriarRect Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarRect:



Collaboration diagram for briar::BriarRect:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kXFieldNumber](#) = 1 , [kYFieldNumber](#) = 2 , [kWidthFieldNumber](#) = 3 , [kHeightFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [BriarRect](#) ()
- PROTOBUF_CONSTEXPR [BriarRect](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [BriarRect](#) ([BriarRect](#) &from) noexcept
- [BriarRect](#) (const [BriarRect](#) &from)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_height](#) ()
- void [clear_width](#) ()
- void [clear_x](#) ()
- void [clear_y](#) ()
- void [CopyFrom](#) (const [BriarRect](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- int32_t [height](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [BriarRect](#) &from)
- [BriarRect](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [BriarRect](#) & [operator=](#) ([BriarRect](#) &&from) noexcept
- [BriarRect](#) & [operator=](#) (const [BriarRect](#) &from)
- void [set_height](#) (int32_t value)
- void [set_width](#) (int32_t value)
- void [set_x](#) (int32_t value)
- void [set_y](#) (int32_t value)
- void [Swap](#) ([BriarRect](#) *other)
- void [UnsafeArenaSwap](#) ([BriarRect](#) *other)
- int32_t [width](#) () const
- int32_t [x](#) () const
- int32_t [y](#) () const
- [~BriarRect](#) () override

Static Public Member Functions

- static const [BriarRect](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [BriarRect](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarRect](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (BriarRect &a, BriarRect &b)

7.133.1 Member Enumeration Documentation

7.133.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kXFieldNumber	
kYFieldNumber	
kWidthFieldNumber	
kHeightFieldNumber	

7.133.2 Constructor & Destructor Documentation

7.133.2.1 BriarRect() [1/5]

```
briar::BriarRect::BriarRect ( ) [inline]
```

7.133.2.2 ~BriarRect()

```
briar::BriarRect::~BriarRect ( ) [override]
```

7.133.2.3 BriarRect() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarRect::BriarRect (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.133.2.4 BriarRect() [3/5]

```
briar::BriarRect::BriarRect (
    const BriarRect & from )
```

7.133.2.5 BriarRect() [4/5]

```
briar::BriarRect::BriarRect (
    BriarRect && from ) [inline], [noexcept]
```

7.133.2.6 BriarRect() [5/5]

```
briar::BriarRect::BriarRect (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.133.3 Member Function Documentation

7.133.3.1 _InternalParse()

```
const char * briar::BriarRect::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.133.3.2 _InternalSerialize()

```
uint8_t * briar::BriarRect::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.133.3.3 ByteSizeLong()

```
size_t briar::BriarRect::ByteSizeLong ( ) const [final]
```

7.133.3.4 `Clear()`

```
void briar::BriarRect::Clear ( ) [final]
```

7.133.3.5 `clear_height()`

```
void briar::BriarRect::clear_height ( ) [inline]
```

7.133.3.6 `clear_width()`

```
void briar::BriarRect::clear_width ( ) [inline]
```

7.133.3.7 `clear_x()`

```
void briar::BriarRect::clear_x ( ) [inline]
```

7.133.3.8 `clear_y()`

```
void briar::BriarRect::clear_y ( ) [inline]
```

7.133.3.9 `CopyFrom()`

```
void briar::BriarRect::CopyFrom (
    const BriarRect & from )
```

7.133.3.10 `default_instance()`

```
static const BriarRect& briar::BriarRect::default_instance ( ) [inline], [static]
```

7.133.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarRect::descriptor() [inline],  
[static]
```

7.133.3.12 GetCachedSize()

```
int briar::BriarRect::GetCachedSize() const [inline], [final]
```

7.133.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData* briar::BriarRect::GetClassData() const  
[final]
```

7.133.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarRect::GetDescriptor() [inline],  
[static]
```

7.133.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarRect::GetMetadata() const [final]
```

7.133.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarRect::GetReflection() [inline],  
[static]
```

7.133.3.17 height()

```
int32_t briar::BriarRect::height() const [inline]
```

7.133.3.18 internal_default_instance()

```
static const BriarRect* briar::BriarRect::internal_default_instance ( ) [inline], [static]
```

7.133.3.19 IsInitialized()

```
bool briar::BriarRect::IsInitialized ( ) const [final]
```

7.133.3.20 MergeFrom()

```
void briar::BriarRect::MergeFrom (
    const BriarRect & from )
```

7.133.3.21 New()

```
BriarRect* briar::BriarRect::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.133.3.22 operator=() [1/2]

```
BriarRect& briar::BriarRect::operator= (
    BriarRect && from ) [inline], [noexcept]
```

7.133.3.23 operator=() [2/2]

```
BriarRect& briar::BriarRect::operator= (
    const BriarRect & from ) [inline]
```

7.133.3.24 set_height()

```
void briar::BriarRect::set_height (
    int32_t value ) [inline]
```

7.133.3.25 set_width()

```
void briar::BriarRect::set_width (
    int32_t value ) [inline]
```

7.133.3.26 set_x()

```
void briar::BriarRect::set_x (
    int32_t value ) [inline]
```

7.133.3.27 set_y()

```
void briar::BriarRect::set_y (
    int32_t value ) [inline]
```

7.133.3.28 Swap()

```
void briar::BriarRect::Swap (
    BriarRect * other ) [inline]
```

7.133.3.29 UnsafeArenaSwap()

```
void briar::BriarRect::UnsafeArenaSwap (
    BriarRect * other ) [inline]
```

7.133.3.30 width()

```
int32_t briar::BriarRect::width ( ) const [inline]
```

7.133.3.31 x()

```
int32_t briar::BriarRect::x ( ) const [inline]
```

7.133.3.32 y()

```
int32_t briar::BriarRect::y ( ) const [inline]
```

7.133.4 Friends And Related Function Documentation

7.133.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.133.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.133.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.133.4.4 swap

```
void swap (
    BriarRect & a,
    BriarRect & b ) [friend]
```

7.133.5 Member Data Documentation

7.133.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarRect::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarRect::MergeImpl
}
```

7.133.5.2 kIndexInFileMessages

```
constexpr int briar::BriarRect::kIndexInFileMessages [static], [constexpr]
```

Initial value:

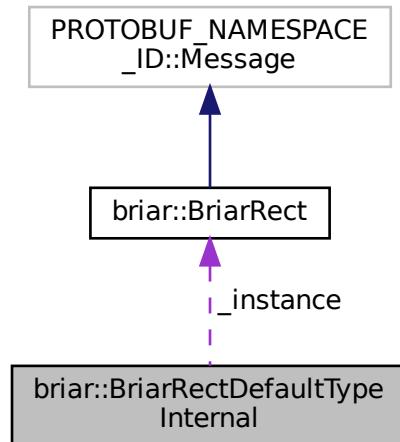
```
= 9
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.134 briar::BriarRectDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarRectDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarRectDefaultTypeInternal ()
- ~BriarRectDefaultTypeInternal ()

Public Attributes

- union {
 BriarRect _instance
 };

7.134.1 Constructor & Destructor Documentation

7.134.1.1 **BriarRectDefaultTypeInternal()**

```
PROTOBUF_CONSTEXPR briar::BriarRectDefaultTypeInternal::BriarRectDefaultTypeInternal() [inline]
```

7.134.1.2 ~BriarRectDefaultTypeInternal()

```
briar::BriarRectDefaultTypeInternal::~BriarRectDefaultTypeInternal() [inline]
```

7.134.2 Member Data Documentation

7.134.2.1

```
union { ... }
```

7.134.2.2 _instance

```
BriarRect briar::BriarRectDefaultTypeInternal::_instance
```

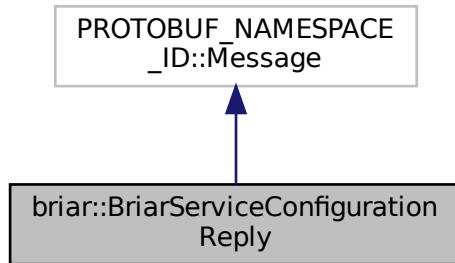
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

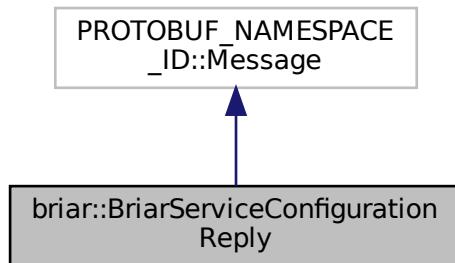
7.135 briar::BriarServiceConfigurationReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::BriarServiceConfigurationReply:



Collaboration diagram for briar::BriarServiceConfigurationReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kPortListFieldNumber = 6 , kBasePortFieldNumber = 5 , kNumberOfServicePortsFieldNumber = 1 ,
 kNumberOfProcessesPerPortFieldNumber = 2 ,
 kNumberOfThreadsPerProcessFieldNumber = 3 , kReportingProcessNumberFieldNumber = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * `add_port_list` ()
- void `add_port_list` (const char *value)
- void `add_port_list` (const char *value, size_t size)
- void `add_port_list` (const std::string &value)
- void `add_port_list` (std::string &&value)
- const std::string & `base_port` () const
- `BriarServiceConfigurationReply` ()
- PROTOBUF_CONSTEXPR `BriarServiceConfigurationReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `BriarServiceConfigurationReply` (`BriarServiceConfigurationReply` &&from) noexcept
- `BriarServiceConfigurationReply` (const `BriarServiceConfigurationReply` &from)
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_base_port` ()
- void `clear_number_of_processes_per_port` ()
- void `clear_number_of_service_ports` ()
- void `clear_number_of_threads_per_process` ()
- void `clear_port_list` ()
- void `clear_reporting_process_number` ()
- void `CopyFrom` (const `BriarServiceConfigurationReply` &from)
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- void `MergeFrom` (const `BriarServiceConfigurationReply` &from)
- std::string * `mutable_base_port` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_port_list` ()
- std::string * `mutable_port_list` (int index)
- `BriarServiceConfigurationReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- int32_t `number_of_processes_per_port` () const
- int32_t `number_of_service_ports` () const
- int32_t `number_of_threads_per_process` () const
- `BriarServiceConfigurationReply` & `operator=` (`BriarServiceConfigurationReply` &&from) noexcept
- `BriarServiceConfigurationReply` & `operator=` (const `BriarServiceConfigurationReply` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `port_list` () const
- const std::string & `port_list` (int index) const
- int `port_list_size` () const
- PROTOBUF_NODISCARD std::string * `release_base_port` ()
- int32_t `reporting_process_number` () const
- void `set_allocated_base_port` (std::string *`base_port`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_base_port` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_base_port` (ArgT0 &&arg0, ArgT... args)
- void `set_number_of_processes_per_port` (int32_t value)
- void `set_number_of_service_ports` (int32_t value)
- void `set_number_of_threads_per_process` (int32_t value)
- void `set_port_list` (int index, const char *value)
- void `set_port_list` (int index, const char *value, size_t size)

- void [set_port_list](#) (int index, const std::string &value)
- void [set_port_list](#) (int index, std::string &&value)
- void [set_reporting_process_number](#) (int32_t value)
- void [Swap](#) (BriarServiceConfigurationReply *other)
- void [UnsafeArenaSwap](#) (BriarServiceConfigurationReply *other)
- [~BriarServiceConfigurationReply](#) () override

Static Public Member Functions

- static const BriarServiceConfigurationReply & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const BriarServiceConfigurationReply * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [BriarServiceConfigurationReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eproto
- void [swap](#) (BriarServiceConfigurationReply &a, BriarServiceConfigurationReply &b)

7.135.1 Member Enumeration Documentation

7.135.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kPortListFieldNumber	
kBasePortFieldNumber	
kNumberOfServicePortsFieldNumber	
kNumberOfProcessesPerPortFieldNumber	
kNumberOfThreadsPerProcessFieldNumber	
kReportingProcessNumberFieldNumber	

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7.135.2 Constructor & Destructor Documentation

7.135.2.1 **BriarServiceConfigurationReply()** [1/5]

```
briar::BriarServiceConfigurationReply::BriarServiceConfigurationReply ( ) [inline]
```

7.135.2.2 **~BriarServiceConfigurationReply()**

```
briar::BriarServiceConfigurationReply::~BriarServiceConfigurationReply ( ) [override]
```

7.135.2.3 **BriarServiceConfigurationReply()** [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarServiceConfigurationReply::BriarServiceConfigurationReply ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.135.2.4 **BriarServiceConfigurationReply()** [3/5]

```
briar::BriarServiceConfigurationReply::BriarServiceConfigurationReply ( const BriarServiceConfigurationReply & from )
```

7.135.2.5 **BriarServiceConfigurationReply()** [4/5]

```
briar::BriarServiceConfigurationReply::BriarServiceConfigurationReply ( BriarServiceConfigurationReply && from ) [inline], [noexcept]
```

7.135.2.6 **BriarServiceConfigurationReply()** [5/5]

```
briar::BriarServiceConfigurationReply::BriarServiceConfigurationReply ( ::PROTOBUF_NAMESPACE_ID::Arena * arena, bool is_message_owned = false ) [explicit], [protected]
```

7.135.3 Member Function Documentation

7.135.3.1 `_InternalParse()`

```
const char * briar::BriarServiceConfigurationReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.135.3.2 `_InternalSerialize()`

```
uint8_t * briar::BriarServiceConfigurationReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.135.3.3 `add_port_list()` [1/5]

```
std::string * briar::BriarServiceConfigurationReply::add_port_list () [inline]
```

7.135.3.4 `add_port_list()` [2/5]

```
void briar::BriarServiceConfigurationReply::add_port_list (
    const char * value ) [inline]
```

7.135.3.5 `add_port_list()` [3/5]

```
void briar::BriarServiceConfigurationReply::add_port_list (
    const char * value,
    size_t size ) [inline]
```

7.135.3.6 `add_port_list()` [4/5]

```
void briar::BriarServiceConfigurationReply::add_port_list (
    const std::string & value ) [inline]
```

7.135.3.7 `add_port_list()` [5/5]

```
void briar::BriarServiceConfigurationReply::add_port_list (
    std::string && value ) [inline]
```

7.135.3.8 base_port()

```
const std::string & briar::BriarServiceConfigurationReply::base_port ( ) const [inline]
```

7.135.3.9 ByteSizeLong()

```
size_t briar::BriarServiceConfigurationReply::ByteSizeLong ( ) const [final]
```

7.135.3.10 Clear()

```
void briar::BriarServiceConfigurationReply::Clear ( ) [final]
```

7.135.3.11 clear_base_port()

```
void briar::BriarServiceConfigurationReply::clear_base_port ( ) [inline]
```

7.135.3.12 clear_number_of_processes_per_port()

```
void briar::BriarServiceConfigurationReply::clear_number_of_processes_per_port ( ) [inline]
```

7.135.3.13 clear_number_of_service_ports()

```
void briar::BriarServiceConfigurationReply::clear_number_of_service_ports ( ) [inline]
```

7.135.3.14 clear_number_of_threads_per_process()

```
void briar::BriarServiceConfigurationReply::clear_number_of_threads_per_process ( ) [inline]
```

7.135.3.15 clear_port_list()

```
void briar::BriarServiceConfigurationReply::clear_port_list ( ) [inline]
```

7.135.3.16 clear_reporting_process_number()

```
void briar::BriarServiceConfigurationReply::clear_reporting_process_number ( ) [inline]
```

7.135.3.17 CopyFrom()

```
void briar::BriarServiceConfigurationReply::CopyFrom (
    const BriarServiceConfigurationReply & from )
```

7.135.3.18 default_instance()

```
static const BriarServiceConfigurationReply& briar::BriarServiceConfigurationReply::default_←
instance ( ) [inline], [static]
```

7.135.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarServiceConfigurationReply←
::descriptor ( ) [inline], [static]
```

7.135.3.20 GetCachedSize()

```
int briar::BriarServiceConfigurationReply::GetCachedSize ( ) const [inline], [final]
```

7.135.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarServiceConfigurationReply::←
GetClassData ( ) const [final]
```

7.135.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarServiceConfigurationReply::Get←
Descriptor ( ) [inline], [static]
```

7.135.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarServiceConfigurationReply::GetMetadata ( ) const  
[final]
```

7.135.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarServiceConfigurationReply::GetReflection ( ) [inline], [static]
```

7.135.3.25 internal_default_instance()

```
static const BriarServiceConfigurationReply* briar::BriarServiceConfigurationReply::internal_default_instance ( ) [inline], [static]
```

7.135.3.26 IsInitialized()

```
bool briar::BriarServiceConfigurationReply::IsInitialized ( ) const [final]
```

7.135.3.27 MergeFrom()

```
void briar::BriarServiceConfigurationReply::MergeFrom (const BriarServiceConfigurationReply & from)
```

7.135.3.28 mutable_base_port()

```
std::string * briar::BriarServiceConfigurationReply::mutable_base_port ( ) [inline]
```

7.135.3.29 mutable_port_list() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::BriarServiceConfigurationReply::mutable_port_list ( ) [inline]
```

7.135.3.30 mutable_port_list() [2/2]

```
std::string * briar::BriarServiceConfigurationReply::mutable_port_list (
    int index ) [inline]
```

7.135.3.31 New()

```
BriarServiceConfigurationReply* briar::BriarServiceConfigurationReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.135.3.32 number_of_processes_per_port()

```
int32_t briar::BriarServiceConfigurationReply::number_of_processes_per_port ( ) const [inline]
```

7.135.3.33 number_of_service_ports()

```
int32_t briar::BriarServiceConfigurationReply::number_of_service_ports ( ) const [inline]
```

7.135.3.34 number_of_threads_per_process()

```
int32_t briar::BriarServiceConfigurationReply::number_of_threads_per_process ( ) const [inline]
```

7.135.3.35 operator=() [1/2]

```
BriarServiceConfigurationReply& briar::BriarServiceConfigurationReply::operator= (
    BriarServiceConfigurationReply && from ) [inline], [noexcept]
```

7.135.3.36 operator=() [2/2]

```
BriarServiceConfigurationReply& briar::BriarServiceConfigurationReply::operator= (
    const BriarServiceConfigurationReply & from ) [inline]
```

7.135.3.37 port_list() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::BriarServiceConfiguration::port_list() const [inline]
```

7.135.3.38 port_list() [2/2]

```
const std::string & briar::BriarServiceConfigurationReply::port_list( int index ) const [inline]
```

7.135.3.39 port_list_size()

```
int briar::BriarServiceConfigurationReply::port_list_size() const [inline]
```

7.135.3.40 release_base_port()

```
std::string * briar::BriarServiceConfigurationReply::release_base_port() const [inline]
```

7.135.3.41 reporting_process_number()

```
int32_t briar::BriarServiceConfigurationReply::reporting_process_number() const [inline]
```

7.135.3.42 set_allocated_base_port()

```
void briar::BriarServiceConfigurationReply::set_allocated_base_port( std::string * base_port ) [inline]
```

7.135.3.43 set_base_port() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::BriarServiceConfigurationReply::set_base_port( ArgT0 && arg0,
                                                       ArgT... args )
```

7.135.3.44 set_base_port() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::BriarServiceConfigurationReply::set_base_port (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.135.3.45 set_number_of_processes_per_port()

```
void briar::BriarServiceConfigurationReply::set_number_of_processes_per_port (
    int32_t value ) [inline]
```

7.135.3.46 set_number_of_service_ports()

```
void briar::BriarServiceConfigurationReply::set_number_of_service_ports (
    int32_t value ) [inline]
```

7.135.3.47 set_number_of_threads_per_process()

```
void briar::BriarServiceConfigurationReply::set_number_of_threads_per_process (
    int32_t value ) [inline]
```

7.135.3.48 set_port_list() [1/4]

```
void briar::BriarServiceConfigurationReply::set_port_list (
    int index,
    const char * value ) [inline]
```

7.135.3.49 set_port_list() [2/4]

```
void briar::BriarServiceConfigurationReply::set_port_list (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.135.3.50 set_port_list() [3/4]

```
void briar::BriarServiceConfigurationReply::set_port_list (
    int index,
    const std::string & value ) [inline]
```

7.135.3.51 set_port_list() [4/4]

```
void briar::BriarServiceConfigurationReply::set_port_list (
    int index,
    std::string && value ) [inline]
```

7.135.3.52 set_reporting_process_number()

```
void briar::BriarServiceConfigurationReply::set_reporting_process_number (
    int32_t value ) [inline]
```

7.135.3.53 Swap()

```
void briar::BriarServiceConfigurationReply::Swap (
    BriarServiceConfigurationReply * other ) [inline]
```

7.135.3.54 UnsafeArenaSwap()

```
void briar::BriarServiceConfigurationReply::UnsafeArenaSwap (
    BriarServiceConfigurationReply * other ) [inline]
```

7.135.4 Friends And Related Function Documentation**7.135.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.135.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.135.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.135.4.4 swap

```
void swap (
    BriarServiceConfigurationReply & a,
    BriarServiceConfigurationReply & b ) [friend]
```

7.135.5 Member Data Documentation**7.135.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarServiceConfigurationReply::_←
class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarServiceConfigurationReply::MergeImpl
}
```

7.135.5.2 kIndexInFileMessages

```
constexpr int briar::BriarServiceConfigurationReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

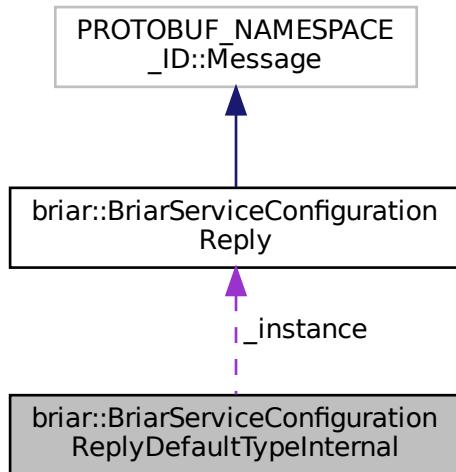
```
= 62
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.136 briar::BriarServiceConfigurationReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarServiceConfigurationReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarServiceConfigurationReplyDefaultTypeInternal ()
- ~BriarServiceConfigurationReplyDefaultTypeInternal ()

Public Attributes

- union {

 BriarServiceConfigurationReply _instance

};

7.136.1 Constructor & Destructor Documentation

7.136.1.1 BriarServiceConfigurationReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarServiceConfigurationReplyDefaultTypeInternal::BriarServiceConfigurationReplyDefaultTypeInternal ( ) [inline]
```

7.136.1.2 ~BriarServiceConfigurationReplyDefaultTypeInternal()

```
briar::BriarServiceConfigurationReplyDefaultTypeInternal::~BriarServiceConfigurationReplyDefaultTypeInternal () [inline]
```

7.136.2 Member Data Documentation

7.136.2.1

```
union { ... }
```

7.136.2.2 _instance

```
BriarServiceConfigurationReply briar::BriarServiceConfigurationReplyDefaultTypeInternal::_instance
```

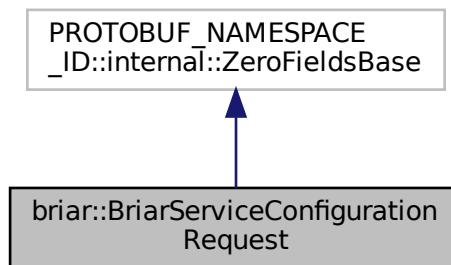
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

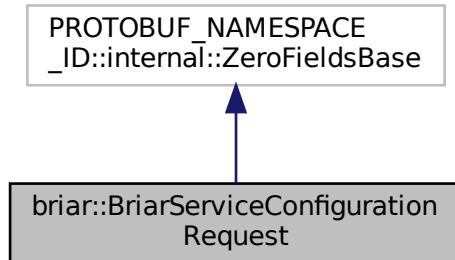
7.137 briar::BriarServiceConfigurationRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::BriarServiceConfigurationRequest:



Collaboration diagram for briar::BriarServiceConfigurationRequest:



Classes

- class [_Internal](#)

Public Member Functions

- [BriarServiceConfigurationRequest \(\)](#)
- [PROTOBUF_CONSTEXPR BriarServiceConfigurationRequest \(::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized\)](#)
- [BriarServiceConfigurationRequest \(BriarServiceConfigurationRequest &&from\) noexcept](#)
- [BriarServiceConfigurationRequest \(const BriarServiceConfigurationRequest &from\)](#)
- [void CopyFrom \(const BriarServiceConfigurationRequest &from\)](#)
- [const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * GetClassData \(\) const final](#)
- [::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata \(\) const final](#)
- [void MergeFrom \(const BriarServiceConfigurationRequest &from\)](#)
- [BriarServiceConfigurationRequest * New \(::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr\) const final](#)
- [BriarServiceConfigurationRequest & operator= \(BriarServiceConfigurationRequest &&from\) noexcept](#)
- [BriarServiceConfigurationRequest & operator= \(const BriarServiceConfigurationRequest &from\)](#)
- [void Swap \(BriarServiceConfigurationRequest *other\)](#)
- [void UnsafeArenaSwap \(BriarServiceConfigurationRequest *other\)](#)

Static Public Member Functions

- [static const BriarServiceConfigurationRequest & default_instance \(\)](#)
- [static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor \(\)](#)
- [static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor \(\)](#)
- [static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection \(\)](#)
- [static const BriarServiceConfigurationRequest * internal_default_instance \(\)](#)

Static Public Attributes

- [static const ClassData _class_data_](#)
- [static constexpr int kIndexInFileMessages](#)

Protected Member Functions

- `BriarServiceConfigurationRequest` (`::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)`

Friends

- template<typename T >
 class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap` (`BriarServiceConfigurationRequest &a, BriarServiceConfigurationRequest &b`)

7.137.1 Constructor & Destructor Documentation

7.137.1.1 BriarServiceConfigurationRequest() [1/5]

```
briar::BriarServiceConfigurationRequest::BriarServiceConfigurationRequest( ) [inline]
```

7.137.1.2 BriarServiceConfigurationRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarServiceConfigurationRequest::BriarServiceConfigurationRequest( ←  
  ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.137.1.3 BriarServiceConfigurationRequest() [3/5]

```
briar::BriarServiceConfigurationRequest::BriarServiceConfigurationRequest( ←  
  const BriarServiceConfigurationRequest & from )
```

7.137.1.4 BriarServiceConfigurationRequest() [4/5]

```
briar::BriarServiceConfigurationRequest::BriarServiceConfigurationRequest( ←  
  BriarServiceConfigurationRequest && from ) [inline], [noexcept]
```

7.137.1.5 BriarServiceConfigurationRequest() [5/5]

```
briar::BriarServiceConfigurationRequest::BriarServiceConfigurationRequest (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,  
    bool is_message_owned = false ) [explicit], [protected]
```

7.137.2 Member Function Documentation

7.137.2.1 CopyFrom()

```
void briar::BriarServiceConfigurationRequest::CopyFrom (   
    const BriarServiceConfigurationRequest & from ) [inline]
```

7.137.2.2 default_instance()

```
static const BriarServiceConfigurationRequest& briar::BriarServiceConfigurationRequest::default←  
_instance () [inline], [static]
```

7.137.2.3 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarServiceConfigurationRequest←  
::descriptor () [inline], [static]
```

7.137.2.4 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarServiceConfigurationRequest::←  
GetClassData () const [final]
```

7.137.2.5 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarServiceConfigurationRequest::←  
GetDescriptor () [inline], [static]
```

7.137.2.6 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarServiceConfigurationRequest::GetMetadata ( ) const  
[final]
```

7.137.2.7 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarServiceConfigurationRequest::GetReflection ( ) [inline], [static]
```

7.137.2.8 internal_default_instance()

```
static const BriarServiceConfigurationRequest* briar::BriarServiceConfigurationRequest::internal_default_instance ( ) [inline], [static]
```

7.137.2.9 MergeFrom()

```
void briar::BriarServiceConfigurationRequest::MergeFrom (const BriarServiceConfigurationRequest & from) [inline]
```

7.137.2.10 New()

```
BriarServiceConfigurationRequest* briar::BriarServiceConfigurationRequest::New (const PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.137.2.11 operator=() [1/2]

```
BriarServiceConfigurationRequest& briar::BriarServiceConfigurationRequest::operator= (BriarServiceConfigurationRequest && from) [inline], [noexcept]
```

7.137.2.12 operator=() [2/2]

```
BriarServiceConfigurationRequest& briar::BriarServiceConfigurationRequest::operator= (const BriarServiceConfigurationRequest & from) [inline]
```

7.137.2.13 Swap()

```
void briar::BriarServiceConfigurationRequest::Swap (
    BriarServiceConfigurationRequest * other ) [inline]
```

7.137.2.14 UnsafeArenaSwap()

```
void briar::BriarServiceConfigurationRequest::UnsafeArenaSwap (
    BriarServiceConfigurationRequest * other ) [inline]
```

7.137.3 Friends And Related Function Documentation

7.137.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.137.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.137.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.137.3.4 swap

```
void swap (
    BriarServiceConfigurationRequest & a,
    BriarServiceConfigurationRequest & b ) [friend]
```

7.137.4 Member Data Documentation

7.137.4.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarServiceConfigurationRequest::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::CopyImpl,  
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::MergeImpl,  
}
```

7.137.4.2 `kIndexInFileMessages`

```
constexpr int briar::BriarServiceConfigurationRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

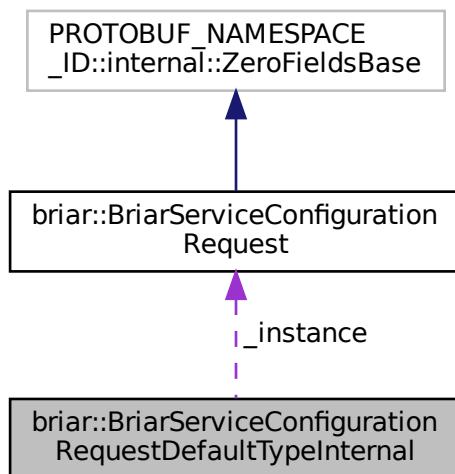
```
= 61
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.138 briar::BriarServiceConfigurationRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarServiceConfigurationRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarServiceConfigurationRequestDefaultTypeInternal ()
- ~BriarServiceConfigurationRequestDefaultTypeInternal ()

Public Attributes

- union {
 BriarServiceConfigurationRequest _instance
};

7.138.1 Constructor & Destructor Documentation

7.138.1.1 BriarServiceConfigurationRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarServiceConfigurationRequestDefaultTypeInternal::BriarServiceConfigurationRequestDefaultTypeInternal ( ) [inline]
```

7.138.1.2 ~BriarServiceConfigurationRequestDefaultTypeInternal()

```
briar::BriarServiceConfigurationRequestDefaultTypeInternal::~BriarServiceConfigurationRequestDefaultTypeInternal ( ) [inline]
```

7.138.2 Member Data Documentation

7.138.2.1

```
union { ... }
```

7.138.2.2 _instance

```
BriarServiceConfigurationRequest briar::BriarServiceConfigurationRequestDefaultTypeInternal::_instance
```

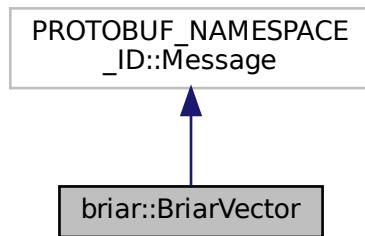
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

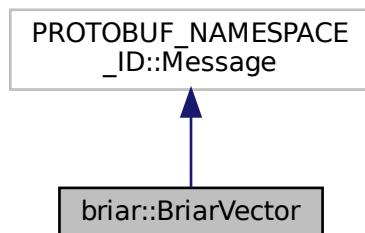
7.139 briar::BriarVector Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::BriarVector:



Collaboration diagram for briar::BriarVector:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDataFieldNumber = 1](#) }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- void `add_data` (float value)
- `BriarVector` ()
- PROTOBUF_CONSTEXPR `BriarVector` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `BriarVector` (`BriarVector` &&from) noexcept
- `BriarVector` (const `BriarVector` &from)
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_data` ()
- void `CopyFrom` (const `BriarVector` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< float > & `data` () const
- float `data` (int index) const
- int `data_size` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- void `MergeFrom` (const `BriarVector` &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedField< float > * `mutable_data` ()
- `BriarVector` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `BriarVector` & `operator=` (`BriarVector` &&from) noexcept
- `BriarVector` & `operator=` (const `BriarVector` &from)
- void `set_data` (int index, float value)
- void `Swap` (`BriarVector` *other)
- void `UnsafeArenaSwap` (`BriarVector` *other)
- `~BriarVector` () override

Static Public Member Functions

- static const `BriarVector` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `BriarVector` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `BriarVector` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned`=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5gRPC_2fbriar_2eprot
- void swap (BriarVector &a, BriarVector &b)

7.139.1 Member Enumeration Documentation

7.139.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDataFieldNumber	
------------------	--

7.139.2 Constructor & Destructor Documentation

7.139.2.1 BriarVector() [1/5]

```
briar::BriarVector::BriarVector ( ) [inline]
```

7.139.2.2 ~BriarVector()

```
briar::BriarVector::~BriarVector ( ) [override]
```

7.139.2.3 BriarVector() [2/5]

```
PROTOBUF_CONSTEXPR briar::BriarVector::BriarVector ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.139.2.4 `BriarVector()` [3/5]

```
briar::BriarVector::BriarVector (
    const BriarVector & from )
```

7.139.2.5 `BriarVector()` [4/5]

```
briar::BriarVector::BriarVector (
    BriarVector && from ) [inline], [noexcept]
```

7.139.2.6 `BriarVector()` [5/5]

```
briar::BriarVector::BriarVector (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.139.3 Member Function Documentation

7.139.3.1 `_InternalParse()`

```
const char * briar::BriarVector::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.139.3.2 `_InternalSerialize()`

```
uint8_t * briar::BriarVector::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.139.3.3 `add_data()`

```
void briar::BriarVector::add_data (
    float value ) [inline]
```

7.139.3.4 ByteSizeLong()

```
size_t briar::BriarVector::ByteSizeLong ( ) const [final]
```

7.139.3.5 Clear()

```
void briar::BriarVector::Clear ( ) [final]
```

7.139.3.6 clear_data()

```
void briar::BriarVector::clear_data ( ) [inline]
```

7.139.3.7 CopyFrom()

```
void briar::BriarVector::CopyFrom (
    const BriarVector & from )
```

7.139.3.8 data() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< float > & briar::BriarVector::data ( ) const [inline]
```

7.139.3.9 data() [2/2]

```
float briar::BriarVector::data (
    int index ) const [inline]
```

7.139.3.10 data_size()

```
int briar::BriarVector::data_size ( ) const [inline]
```

7.139.3.11 default_instance()

```
static const BriarVector& briar::BriarVector::default_instance ( ) [inline], [static]
```

7.139.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarVector::descriptor ( ) [inline], [static]
```

7.139.3.13 GetCachedSize()

```
int briar::BriarVector::GetCachedSize ( ) const [inline], [final]
```

7.139.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::BriarVector::GetClassData ( ) const [final]
```

7.139.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::BriarVector::GetDescriptor ( ) [inline], [static]
```

7.139.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::BriarVector::GetMetadata ( ) const [final]
```

7.139.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::BriarVector::GetReflection ( ) [inline], [static]
```

7.139.3.18 internal_default_instance()

```
static const BriarVector* briar::BriarVector::internal_default_instance ( ) [inline], [static]
```

7.139.3.19 IsInitialized()

```
bool briar::BriarVector::IsInitialized ( ) const [final]
```

7.139.3.20 MergeFrom()

```
void briar::BriarVector::MergeFrom (
    const BriarVector & from )
```

7.139.3.21 mutable_data()

```
PROTOBUF_NAMESPACE_ID::RepeatedField< float > * briar::BriarVector::mutable_data ( ) [inline]
```

7.139.3.22 New()

```
BriarVector* briar::BriarVector::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.139.3.23 operator=() [1/2]

```
BriarVector& briar::BriarVector::operator= (
    BriarVector && from ) [inline], [noexcept]
```

7.139.3.24 operator=() [2/2]

```
BriarVector& briar::BriarVector::operator= (
    const BriarVector & from ) [inline]
```

7.139.3.25 set_data()

```
void briar::BriarVector::set_data (
    int index,
    float value ) [inline]
```

7.139.3.26 Swap()

```
void briar::BriarVector::Swap (
    BriarVector * other ) [inline]
```

7.139.3.27 UnsafeArenaSwap()

```
void briar::BriarVector::UnsafeArenaSwap (
    BriarVector * other ) [inline]
```

7.139.4 Friends And Related Function Documentation

7.139.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.139.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.139.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.139.4.4 swap

```
void swap (
    BriarVector & a,
    BriarVector & b) [friend]
```

7.139.5 Member Data Documentation

7.139.5.1 `_class_data_`

`const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::BriarVector::_class_data_ [static]`

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    BriarVector::MergeImpl
}
```

7.139.5.2 `kIndexInFileMessages`

`constexpr int briar::BriarVector::kIndexInFileMessages [static], [constexpr]`

Initial value:

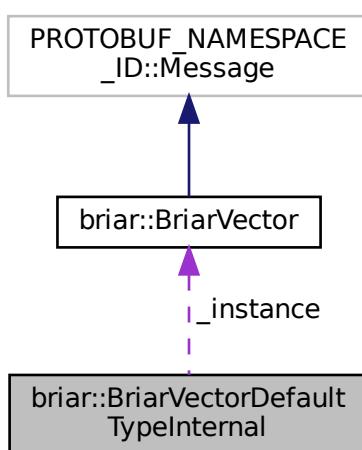
```
= 12
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.140 briar::BriarVectorDefaultTypeInternal Struct Reference

Collaboration diagram for briar::BriarVectorDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR BriarVectorDefaultTypeInternal ()
- ~BriarVectorDefaultTypeInternal ()

Public Attributes

- union {
 BriarVector _instance
};

7.140.1 Constructor & Destructor Documentation

7.140.1.1 BriarVectorDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::BriarVectorDefaultTypeInternal::BriarVectorDefaultTypeInternal ( )  
[inline]
```

7.140.1.2 ~BriarVectorDefaultTypeInternal()

```
briar::BriarVectorDefaultTypeInternal::~BriarVectorDefaultTypeInternal ( ) [inline]
```

7.140.2 Member Data Documentation

7.140.2.1

```
union { ... }
```

7.140.2.2 _instance

```
BriarVector briar::BriarVectorDefaultTypeInternal::_instance
```

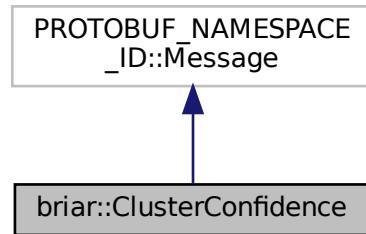
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

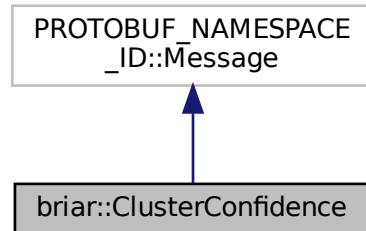
7.141 briar::ClusterConfidence Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::ClusterConfidence:



Collaboration diagram for briar::ClusterConfidence:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kConfidencesFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_confidences](#) ()
- [ClusterConfidence](#) ()
- PROTOBUF_CONSTEXPR ClusterConfidence [\(::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>\)](#)
- ClusterConfidence ([ClusterConfidence &&from](#)) noexcept
- ClusterConfidence (const [ClusterConfidence &from](#))
- double [confidences](#) () const
- void [CopyFrom](#) (const [ClusterConfidence &from](#))
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [ClusterConfidence &from](#))
- ClusterConfidence * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- ClusterConfidence & [operator=](#) (ClusterConfidence &&from) noexcept
- ClusterConfidence & [operator=](#) (const ClusterConfidence &from)
- void [set_confidences](#) (double value)
- void [Swap](#) (ClusterConfidence *other)
- void [UnsafeArenaSwap](#) (ClusterConfidence *other)
- [~ClusterConfidence](#) () override

Static Public Member Functions

- static const ClusterConfidence & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const ClusterConfidence * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- ClusterConfidence (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned=false](#))

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) (ClusterConfidence &a, ClusterConfidence &b)

7.141.1 Member Enumeration Documentation

7.141.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kConfidencesFieldNumber	
-------------------------	--

7.141.2 Constructor & Destructor Documentation

7.141.2.1 ClusterConfidence() [1/5]

```
briar::ClusterConfidence::ClusterConfidence ( ) [inline]
```

7.141.2.2 ~ClusterConfidence()

```
briar::ClusterConfidence::~ClusterConfidence ( ) [override]
```

7.141.2.3 ClusterConfidence() [2/5]

```
PROTOBUF_CONSTEXPR briar::ClusterConfidence::ClusterConfidence ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.141.2.4 ClusterConfidence() [3/5]

```
briar::ClusterConfidence::ClusterConfidence ( const ClusterConfidence & from )
```

7.141.2.5 ClusterConfidence() [4/5]

```
briar::ClusterConfidence::ClusterConfidence (
    ClusterConfidence && from ) [inline], [noexcept]
```

7.141.2.6 ClusterConfidence() [5/5]

```
briar::ClusterConfidence::ClusterConfidence (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.141.3 Member Function Documentation

7.141.3.1 _InternalParse()

```
const char * briar::ClusterConfidence::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.141.3.2 _InternalSerialize()

```
uint8_t * briar::ClusterConfidence::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.141.3.3 ByteSizeLong()

```
size_t briar::ClusterConfidence::ByteSizeLong ( ) const [final]
```

7.141.3.4 Clear()

```
void briar::ClusterConfidence::Clear ( ) [final]
```

7.141.3.5 clear_confidences()

```
void briar::ClusterConfidence::clear_confidences ( ) [inline]
```

7.141.3.6 confidences()

```
double briar::ClusterConfidence::confidences ( ) const [inline]
```

7.141.3.7 CopyFrom()

```
void briar::ClusterConfidence::CopyFrom (
    const ClusterConfidence & from )
```

7.141.3.8 default_instance()

```
static const ClusterConfidence& briar::ClusterConfidence::default_instance ( ) [inline],
[static]
```

7.141.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterConfidence::descriptor ( )
[inline], [static]
```

7.141.3.10 GetCachedSize()

```
int briar::ClusterConfidence::GetCachedSize ( ) const [inline], [final]
```

7.141.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ClusterConfidence::GetClassData ( )
const [final]
```

7.141.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterConfidence::GetDescriptor ( )  
[inline], [static]
```

7.141.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ClusterConfidence::GetMetadata ( ) const [final]
```

7.141.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ClusterConfidence::GetReflection ( )  
[inline], [static]
```

7.141.3.15 internal_default_instance()

```
static const ClusterConfidence* briar::ClusterConfidence::internal_default_instance ( ) [inline],  
[static]
```

7.141.3.16 IsInitialized()

```
bool briar::ClusterConfidence::IsInitialized ( ) const [final]
```

7.141.3.17 MergeFrom()

```
void briar::ClusterConfidence::MergeFrom (   
    const ClusterConfidence & from )
```

7.141.3.18 New()

```
ClusterConfidence* briar::ClusterConfidence::New (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.141.3.19 operator=() [1/2]

```
ClusterConfidence& briar::ClusterConfidence::operator= (
    ClusterConfidence && from ) [inline], [noexcept]
```

7.141.3.20 operator=() [2/2]

```
ClusterConfidence& briar::ClusterConfidence::operator= (
    const ClusterConfidence & from ) [inline]
```

7.141.3.21 set_confidences()

```
void briar::ClusterConfidence::set_confidences (
    double value ) [inline]
```

7.141.3.22 Swap()

```
void briar::ClusterConfidence::Swap (
    ClusterConfidence * other ) [inline]
```

7.141.3.23 UnsafeArenaSwap()

```
void briar::ClusterConfidence::UnsafeArenaSwap (
    ClusterConfidence * other ) [inline]
```

7.141.4 Friends And Related Function Documentation**7.141.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.141.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.141.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.141.4.4 swap

```
void swap (
    ClusterConfidence & a,
    ClusterConfidence & b ) [friend]
```

7.141.5 Member Data Documentation

7.141.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ClusterConfidence::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ClusterConfidence::MergeImpl
}
```

7.141.5.2 kIndexInFileMessages

```
constexpr int briar::ClusterConfidence::kIndexInFileMessages [static], [constexpr]
```

Initial value:

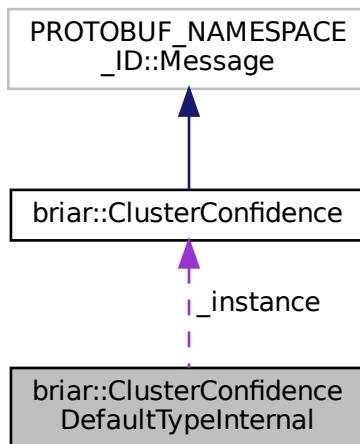
```
= 41
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.142 briar::ClusterConfidenceDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ClusterConfidenceDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ClusterConfidenceDefaultTypeInternal ()
- ~ClusterConfidenceDefaultTypeInternal ()

Public Attributes

- union {
 ClusterConfidence _instance
};

7.142.1 Constructor & Destructor Documentation

7.142.1.1 ClusterConfidenceDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ClusterConfidenceDefaultTypeInternal::ClusterConfidenceDefaultTypeInternal() [inline]
```

7.142.1.2 ~ClusterConfidenceDefaultTypeInternal()

```
briar::ClusterConfidenceDefaultTypeInternal::~ClusterConfidenceDefaultTypeInternal () [inline]
```

7.142.2 Member Data Documentation

7.142.2.1

```
union { ... }
```

7.142.2.2 _instance

```
ClusterConfidence briar::ClusterConfidenceDefaultTypeInternal::_instance
```

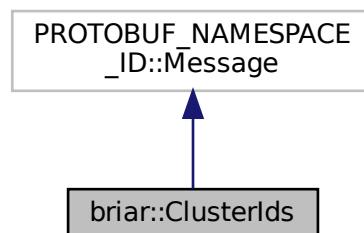
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/_grpc/briar.pb.cc

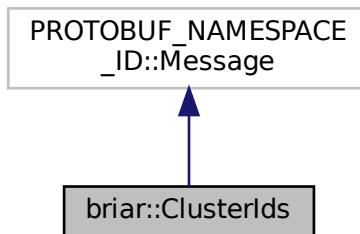
7.143 briar::ClusterIds Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::ClusterIds:



Collaboration diagram for briar::ClusterIds:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kIdsFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * [add_ids](#) ()
- void [add_ids](#) (const char *value)
- void [add_ids](#) (const char *value, size_t size)
- void [add_ids](#) (const std::string &value)
- void [add_ids](#) (std::string &&value)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_ids](#) ()
- [ClusterIds](#) ()
- PROTOBUF_CONSTEXPR [ClusterIds](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [ClusterIds](#) ([ClusterIds](#) &&from) noexcept
- [ClusterIds](#) (const [ClusterIds](#) &from)
- void [CopyFrom](#) (const [ClusterIds](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & [ids](#) () const
- const std::string & [ids](#) (int index) const
- int [ids_size](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [ClusterIds](#) &from)

- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * **mutable_ids** ()
- std::string * **mutable_ids** (int index)
- **ClusterIds** * **New** (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- **ClusterIds** & **operator=** (**ClusterIds** &&from) noexcept
- **ClusterIds** & **operator=** (const **ClusterIds** &from)
- void **set_ids** (int index, const char *value)
- void **set_ids** (int index, const char *value, size_t size)
- void **set_ids** (int index, const std::string &value)
- void **set_ids** (int index, std::string &&value)
- void **Swap** (**ClusterIds** *other)
- void **UnsafeArenaSwap** (**ClusterIds** *other)
- ~**ClusterIds** () override

Static Public Member Functions

- static const **ClusterIds** & **default_instance** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **descriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **GetDescriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * **GetReflection** ()
- static const **ClusterIds** * **internal_default_instance** ()

Static Public Attributes

- static const ClassData **_class_data**
- static constexpr int **kIndexInFileMessages**

Protected Member Functions

- **ClusterIds** (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto
- void **swap** (**ClusterIds** &a, **ClusterIds** &b)

7.143.1 Member Enumeration Documentation

7.143.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

KldsFieldNumber	<input type="checkbox"/>
-----------------	--------------------------

7.143.2 Constructor & Destructor Documentation

7.143.2.1 ClusterIds() [1/5]

```
briar::ClusterIds::ClusterIds ( ) [inline]
```

7.143.2.2 ~ClusterIds()

```
briar::ClusterIds::~ClusterIds ( ) [override]
```

7.143.2.3 ClusterIds() [2/5]

```
PROTOBUF_CONSTEXPR briar::ClusterIds::ClusterIds (  
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.143.2.4 ClusterIds() [3/5]

```
briar::ClusterIds::ClusterIds (   
    const ClusterIds & from )
```

7.143.2.5 ClusterIds() [4/5]

```
briar::ClusterIds::ClusterIds (   
    ClusterIds && from ) [inline], [noexcept]
```

7.143.2.6 ClusterIds() [5/5]

```
briar::ClusterIds::ClusterIds (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,  
    bool is_message_owned = false ) [explicit], [protected]
```

7.143.3 Member Function Documentation

7.143.3.1 `_InternalParse()`

```
const char * briar::ClusterIds::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.143.3.2 `_InternalSerialize()`

```
uint8_t * briar::ClusterIds::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.143.3.3 `add_ids()` [1/5]

```
std::string * briar::ClusterIds::add_ids ( ) [inline]
```

7.143.3.4 `add_ids()` [2/5]

```
void briar::ClusterIds::add_ids (
    const char * value ) [inline]
```

7.143.3.5 `add_ids()` [3/5]

```
void briar::ClusterIds::add_ids (
    const char * value,
    size_t size ) [inline]
```

7.143.3.6 `add_ids()` [4/5]

```
void briar::ClusterIds::add_ids (
    const std::string & value ) [inline]
```

7.143.3.7 add_ids() [5/5]

```
void briar::ClusterIds::add_ids (
    std::string && value ) [inline]
```

7.143.3.8 ByteSizeLong()

```
size_t briar::ClusterIds::ByteSizeLong () const [final]
```

7.143.3.9 Clear()

```
void briar::ClusterIds::Clear () [final]
```

7.143.3.10 clear_ids()

```
void briar::ClusterIds::clear_ids () [inline]
```

7.143.3.11 CopyFrom()

```
void briar::ClusterIds::CopyFrom (
    const ClusterIds & from )
```

7.143.3.12 default_instance()

```
static const ClusterIds& briar::ClusterIds::default_instance () [inline], [static]
```

7.143.3.13 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterIds::descriptor () [inline], [static]
```

7.143.3.14 GetCachedSize()

```
int briar::ClusterIds::GetCachedSize ( ) const [inline], [final]
```

7.143.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ClusterIds::GetClassData ( ) const [final]
```

7.143.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterIds::GetDescriptor ( ) [inline], [static]
```

7.143.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ClusterIds::GetMetadata ( ) const [final]
```

7.143.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ClusterIds::GetReflection ( ) [inline], [static]
```

7.143.3.19 ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::ClusterIds::ids ( ) const [inline]
```

7.143.3.20 ids() [2/2]

```
const std::string & briar::ClusterIds::ids ( int index ) const [inline]
```

7.143.3.21 ids_size()

```
int briar::ClusterIds::ids_size ( ) const [inline]
```

7.143.3.22 internal_default_instance()

```
static const ClusterIds* briar::ClusterIds::internal_default_instance ( ) [inline], [static]
```

7.143.3.23 IsInitialized()

```
bool briar::ClusterIds::IsInitialized ( ) const [final]
```

7.143.3.24 MergeFrom()

```
void briar::ClusterIds::MergeFrom (
    const ClusterIds & from )
```

7.143.3.25 mutable_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::ClusterIds::mutable_ids ( )
[inline]
```

7.143.3.26 mutable_ids() [2/2]

```
std::string * briar::ClusterIds::mutable_ids (
    int index ) [inline]
```

7.143.3.27 New()

```
ClusterIds* briar::ClusterIds::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.143.3.28 operator=() [1/2]

```
ClusterIds& briar::ClusterIds::operator= (
    ClusterIds && from )  [inline], [noexcept]
```

7.143.3.29 operator=() [2/2]

```
ClusterIds& briar::ClusterIds::operator= (
    const ClusterIds & from )  [inline]
```

7.143.3.30 set_ids() [1/4]

```
void briar::ClusterIds::set_ids (
    int index,
    const char * value )  [inline]
```

7.143.3.31 set_ids() [2/4]

```
void briar::ClusterIds::set_ids (
    int index,
    const char * value,
    size_t size )  [inline]
```

7.143.3.32 set_ids() [3/4]

```
void briar::ClusterIds::set_ids (
    int index,
    const std::string & value )  [inline]
```

7.143.3.33 set_ids() [4/4]

```
void briar::ClusterIds::set_ids (
    int index,
    std::string && value )  [inline]
```

7.143.3.34 Swap()

```
void briar::ClusterIds::Swap (
    ClusterIds * other ) [inline]
```

7.143.3.35 UnsafeArenaSwap()

```
void briar::ClusterIds::UnsafeArenaSwap (
    ClusterIds * other ) [inline]
```

7.143.4 Friends And Related Function Documentation

7.143.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.143.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.143.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.143.4.4 swap

```
void swap (
    ClusterIds & a,
    ClusterIds & b ) [friend]
```

7.143.5 Member Data Documentation

7.143.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ClusterIds::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ClusterIds::MergeImpl
}
```

7.143.5.2 `kIndexInFileMessages`

```
constexpr int briar::ClusterIds::kIndexInFileMessages [static], [constexpr]
```

Initial value:

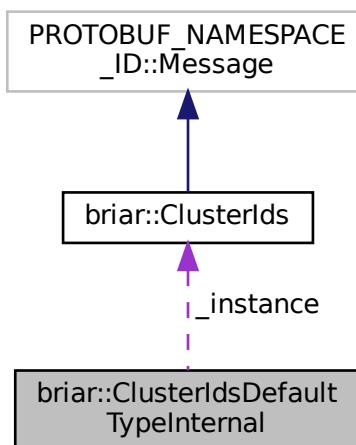
```
= 40
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.144 briar::ClusterIdsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ClusterIdsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ClusterIdsDefaultTypeInternal ()
- ~ClusterIdsDefaultTypeInternal ()

Public Attributes

- union {
 ClusterIds _instance
};

7.144.1 Constructor & Destructor Documentation

7.144.1.1 ClusterIdsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ClusterIdsDefaultTypeInternal::ClusterIdsDefaultTypeInternal( )  
[inline]
```

7.144.1.2 ~ClusterIdsDefaultTypeInternal()

```
briar::ClusterIdsDefaultTypeInternal::~ClusterIdsDefaultTypeInternal( ) [inline]
```

7.144.2 Member Data Documentation

7.144.2.1

```
union { ... }
```

7.144.2.2 _instance

```
ClusterIds briar::ClusterIdsDefaultTypeInternal::_instance
```

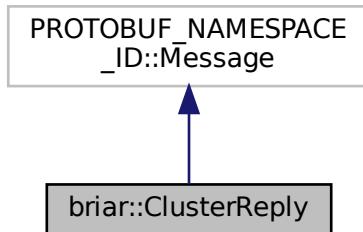
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

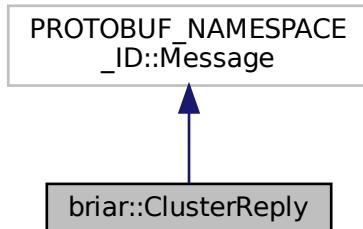
7.145 briar::ClusterReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::ClusterReply:



Collaboration diagram for briar::ClusterReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kClusterIdsFieldNumber = 1 , kClusterConfidencesFieldNumber = 2 , kDurationsFieldNumber = 3 ,
 kErrorsFieldNumber = 4 ,
 kProgressFieldNumber = 5 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::ClusterConfidence * [add_cluster_confidences](#) ()
- ::briar::ClusterIds * [add_cluster_ids](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_cluster_confidences](#) ()
- void [clear_cluster_ids](#) ()
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_progress](#) ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::ClusterConfidence > & [cluster_confidences](#) () const
- const ::briar::ClusterConfidence & [cluster_confidences](#) (int index) const
- int [cluster_confidences_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::ClusterIds > & [cluster_ids](#) () const
- const ::briar::ClusterIds & [cluster_ids](#) (int index) const
- int [cluster_ids_size](#) () const
- [ClusterReply](#) ()
- PROTOBUF_CONSTEXPR ClusterReply ([::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized](#))
- ClusterReply ([ClusterReply](#) &&from) noexcept
- ClusterReply (const [ClusterReply](#) &from)
- void [CopyFrom](#) (const [ClusterReply](#) &from)
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_progress](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [ClusterReply](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::ClusterConfidence > * [mutable_cluster_confidences](#) ()
- ::briar::ClusterConfidence * [mutable_cluster_confidences](#) (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::ClusterIds > * [mutable_cluster_ids](#) ()
- ::briar::ClusterIds * [mutable_cluster_ids](#) (int index)
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::BriarProgress * [mutable_progress](#) ()
- ClusterReply * [New](#) ([::PROTOBUF_NAMESPACE_ID::Arena](#) *arena=nullptr) const final
- ClusterReply & [operator=](#) (ClusterReply &&from) noexcept
- ClusterReply & [operator=](#) (const ClusterReply &from)
- const ::briar::BriarProgress & [progress](#) () const
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * [release_progress](#) ()
- void [set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_allocated_progress](#) (::briar::BriarProgress *progress)

- void [Swap \(ClusterReply *other\)](#)
- ::briar::BriarDurations * [unsafe_arena_release_durations \(\)](#)
- ::briar::BriarErrors * [unsafe_arena_release_errors \(\)](#)
- ::briar::BriarProgress * [unsafe_arena_release_progress \(\)](#)
- void [unsafe_arena_set_allocated_durations \(::briar::BriarDurations *durations\)](#)
- void [unsafe_arena_set_allocated_errors \(::briar::BriarErrors *errors\)](#)
- void [unsafe_arena_set_allocated_progress \(::briar::BriarProgress *progress\)](#)
- void [UnsafeArenaSwap \(ClusterReply *other\)](#)
- [~ClusterReply \(\) override](#)

Static Public Member Functions

- static const [ClusterReply & default_instance \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection \(\)](#)
- static const [ClusterReply * internal_default_instance \(\)](#)

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [ClusterReply \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot
- void [swap \(ClusterReply &a, ClusterReply &b\)](#)

7.145.1 Member Enumeration Documentation

7.145.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kClusterIdsFieldNumber	
kClusterConfidencesFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	

7.145.2 Constructor & Destructor Documentation

7.145.2.1 ClusterReply() [1/5]

```
briar::ClusterReply::ClusterReply ( ) [inline]
```

7.145.2.2 ~ClusterReply()

```
briar::ClusterReply::~ClusterReply ( ) [override]
```

7.145.2.3 ClusterReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::ClusterReply::ClusterReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.145.2.4 ClusterReply() [3/5]

```
briar::ClusterReply::ClusterReply (
    const ClusterReply & from )
```

7.145.2.5 ClusterReply() [4/5]

```
briar::ClusterReply::ClusterReply (
    ClusterReply && from ) [inline], [noexcept]
```

7.145.2.6 ClusterReply() [5/5]

```
briar::ClusterReply::ClusterReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.145.3 Member Function Documentation

7.145.3.1 `_InternalParse()`

```
const char * briar::ClusterReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.145.3.2 `_InternalSerialize()`

```
uint8_t * briar::ClusterReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.145.3.3 `add_cluster_confidences()`

```
briar::ClusterConfidence * briar::ClusterReply::add_cluster_confidences () [inline]
```

7.145.3.4 `add_cluster_ids()`

```
briar::ClusterIds * briar::ClusterReply::add_cluster_ids () [inline]
```

7.145.3.5 `ByteSizeLong()`

```
size_t briar::ClusterReply::ByteSizeLong () const [final]
```

7.145.3.6 `Clear()`

```
void briar::ClusterReply::Clear () [final]
```

7.145.3.7 `clear_cluster_confidences()`

```
void briar::ClusterReply::clear_cluster_confidences ()
```

7.145.3.8 clear_cluster_ids()

```
void briar::ClusterReply::clear_cluster_ids ( )
```

7.145.3.9 clear_durations()

```
void briar::ClusterReply::clear_durations ( )
```

7.145.3.10 clear_errors()

```
void briar::ClusterReply::clear_errors ( )
```

7.145.3.11 clear_progress()

```
void briar::ClusterReply::clear_progress ( )
```

7.145.3.12 cluster_confidences() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::ClusterConfidence> & briar::ClusterReply::cluster_confidences ( ) const [inline]
```

7.145.3.13 cluster_confidences() [2/2]

```
const ::briar::ClusterConfidence & briar::ClusterReply::cluster_confidences ( int index ) const [inline]
```

7.145.3.14 cluster_confidences_size()

```
int briar::ClusterReply::cluster_confidences_size ( ) const [inline]
```

7.145.3.15 cluster_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::ClusterIds> & briar::ClusterReply::cluster_ids( ) const [inline]
```

7.145.3.16 cluster_ids() [2/2]

```
const ::briar::ClusterIds & briar::ClusterReply::cluster_ids( int index ) const [inline]
```

7.145.3.17 cluster_ids_size()

```
int briar::ClusterReply::cluster_ids_size( ) const [inline]
```

7.145.3.18 CopyFrom()

```
void briar::ClusterReply::CopyFrom( const ClusterReply & from )
```

7.145.3.19 default_instance()

```
static const ClusterReply& briar::ClusterReply::default_instance( ) [inline], [static]
```

7.145.3.20 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterReply::descriptor( ) [inline], [static]
```

7.145.3.21 durations()

```
const ::briar::BriarDurations & briar::ClusterReply::durations( ) const [inline]
```

7.145.3.22 errors()

```
const ::briar::BriarErrors & briar::ClusterReply::errors () const [inline]
```

7.145.3.23 GetCachedSize()

```
int briar::ClusterReply::GetCachedSize () const [inline], [final]
```

7.145.3.24 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ClusterReply::GetClassData ()  
const [final]
```

7.145.3.25 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterReply::GetDescriptor () [inline],  
[static]
```

7.145.3.26 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ClusterReply::GetMetadata () const [final]
```

7.145.3.27 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ClusterReply::GetReflection () [inline],  
[static]
```

7.145.3.28 has_durations()

```
bool briar::ClusterReply::has_durations () const [inline]
```

7.145.3.29 has_errors()

```
bool briar::ClusterReply::has_errors ( ) const [inline]
```

7.145.3.30 has_progress()

```
bool briar::ClusterReply::has_progress ( ) const [inline]
```

7.145.3.31 internal_default_instance()

```
static const ClusterReply* briar::ClusterReply::internal_default_instance ( ) [inline], [static]
```

7.145.3.32 IsInitialized()

```
bool briar::ClusterReply::IsInitialized ( ) const [final]
```

7.145.3.33 MergeFrom()

```
void briar::ClusterReply::MergeFrom (
    const ClusterReply & from )
```

7.145.3.34 mutable_cluster_confidences() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::ClusterConfidence> * briar::ClusterReply::mutable_cluster_confidences ( ) [inline]
```

7.145.3.35 mutable_cluster_confidences() [2/2]

```
briar::ClusterConfidence * briar::ClusterReply::mutable_cluster_confidences (
    int index ) [inline]
```

7.145.3.36 mutable_cluster_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::ClusterIds> * briar::ClusterReply::mutable_<br>_cluster_ids ( ) [inline]
```

7.145.3.37 mutable_cluster_ids() [2/2]

```
briar::ClusterIds * briar::ClusterReply::mutable_cluster_ids ( <br> int index ) [inline]
```

7.145.3.38 mutable_durations()

```
briar::BriarDurations * briar::ClusterReply::mutable_durations ( ) [inline]
```

7.145.3.39 mutable_errors()

```
briar::BriarErrors * briar::ClusterReply::mutable_errors ( ) [inline]
```

7.145.3.40 mutable_progress()

```
briar::BriarProgress * briar::ClusterReply::mutable_progress ( ) [inline]
```

7.145.3.41 New()

```
ClusterReply* briar::ClusterReply::New ( <br> ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.145.3.42 operator=() [1/2]

```
ClusterReply& briar::ClusterReply::operator= ( <br> ClusterReply && from ) [inline], [noexcept]
```

7.145.3.43 operator=() [2/2]

```
ClusterReply& briar::ClusterReply::operator= (
    const ClusterReply & from ) [inline]
```

7.145.3.44 progress()

```
const ::briar::BriarProgress & briar::ClusterReply::progress () const [inline]
```

7.145.3.45 release_durations()

```
briar::BriarDurations * briar::ClusterReply::release_durations () [inline]
```

7.145.3.46 release_errors()

```
briar::BriarErrors * briar::ClusterReply::release_errors () [inline]
```

7.145.3.47 release_progress()

```
briar::BriarProgress * briar::ClusterReply::release_progress () [inline]
```

7.145.3.48 set_allocated_durations()

```
void briar::ClusterReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.145.3.49 set_allocated_errors()

```
void briar::ClusterReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.145.3.50 set_allocated_progress()

```
void briar::ClusterReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.145.3.51 Swap()

```
void briar::ClusterReply::Swap (
    ClusterReply * other ) [inline]
```

7.145.3.52 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::ClusterReply::unsafe_arena_release_durations () [inline]
```

7.145.3.53 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::ClusterReply::unsafe_arena_release_errors () [inline]
```

7.145.3.54 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::ClusterReply::unsafe_arena_release_progress () [inline]
```

7.145.3.55 unsafe_arena_set_allocated_durations()

```
void briar::ClusterReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.145.3.56 unsafe_arena_set_allocated_errors()

```
void briar::ClusterReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.145.3.57 unsafe_arena_set_allocated_progress()

```
void briar::ClusterReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.145.3.58 UnsafeArenaSwap()

```
void briar::ClusterReply::UnsafeArenaSwap (
    ClusterReply * other ) [inline]
```

7.145.4 Friends And Related Function Documentation

7.145.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.145.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.145.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.145.4.4 swap

```
void swap (
    ClusterReply & a,
    ClusterReply & b ) [friend]
```

7.145.5 Member Data Documentation

7.145.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ClusterReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ClusterReply::MergeImpl
}
```

7.145.5.2 `kIndexInFileMessages`

```
constexpr int briar::ClusterReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

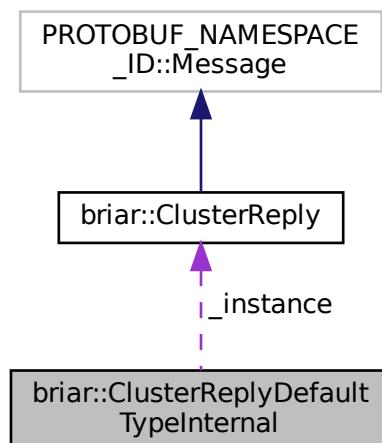
```
= 56
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.146 briar::ClusterReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ClusterReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [ClusterReplyDefaultTypeInternal \(\)](#)
- [~ClusterReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 ClusterReply _instance
};

7.146.1 Constructor & Destructor Documentation

7.146.1.1 ClusterReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ClusterReplyDefaultTypeInternal::ClusterReplyDefaultTypeInternal ( )  
[inline]
```

7.146.1.2 ~ClusterReplyDefaultTypeInternal()

```
briar::ClusterReplyDefaultTypeInternal::~ClusterReplyDefaultTypeInternal ( ) [inline]
```

7.146.2 Member Data Documentation

7.146.2.1

```
union { ... }
```

7.146.2.2 _instance

```
ClusterReply briar::ClusterReplyDefaultTypeInternal::_instance
```

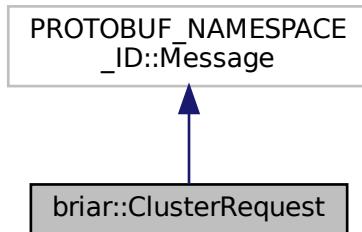
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

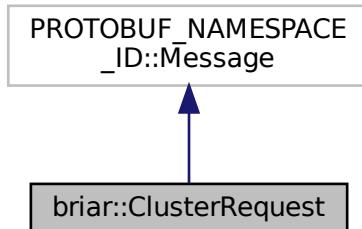
7.147 briar::ClusterRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::ClusterRequest:



Collaboration diagram for briar::ClusterRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 3 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_durations` ()
- `ClusterRequest` ()
- PROTOBUF_CONSTEXPR `ClusterRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `ClusterRequest` (`ClusterRequest` &&from) noexcept
- `ClusterRequest` (const `ClusterRequest` &from)
- void `CopyFrom` (const `ClusterRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_durations` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `ClusterRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDurations * `mutable_durations` ()
- `ClusterRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `ClusterRequest` & `operator=` (`ClusterRequest` &&from) noexcept
- `ClusterRequest` & `operator=` (const `ClusterRequest` &from)
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- void `set_allocated_database` (::briar::BriarDatabase *database)
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `Swap` (`ClusterRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `UnsafeArenaSwap` (`ClusterRequest` *other)
- `~ClusterRequest` () override

Static Public Member Functions

- static const `ClusterRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `ClusterRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [ClusterRequest \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
[class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper](#)
- [class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata](#)
- [struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto](#)
- [void swap \(ClusterRequest &a, ClusterRequest &b\)](#)

7.147.1 Member Enumeration Documentation

7.147.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kDurationsFieldNumber	

7.147.2 Constructor & Destructor Documentation

7.147.2.1 ClusterRequest() [1/5]

```
briar::ClusterRequest::ClusterRequest ( ) [inline]
```

7.147.2.2 ~ClusterRequest()

```
briar::ClusterRequest::~ClusterRequest ( ) [override]
```

7.147.2.3 ClusterRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::ClusterRequest::ClusterRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.147.2.4 ClusterRequest() [3/5]

```
briar::ClusterRequest::ClusterRequest (
    const ClusterRequest & from )
```

7.147.2.5 ClusterRequest() [4/5]

```
briar::ClusterRequest::ClusterRequest (
    ClusterRequest && from ) [inline], [noexcept]
```

7.147.2.6 ClusterRequest() [5/5]

```
briar::ClusterRequest::ClusterRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.147.3 Member Function Documentation

7.147.3.1 _InternalParse()

```
const char * briar::ClusterRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.147.3.2 _InternalSerialize()

```
uint8_t * briar::ClusterRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.147.3.3 ByteSizeLong()

```
size_t briar::ClusterRequest::ByteSizeLong ( ) const [final]
```

7.147.3.4 Clear()

```
void briar::ClusterRequest::Clear ( ) [final]
```

7.147.3.5 clear_database()

```
void briar::ClusterRequest::clear_database ( )
```

7.147.3.6 clear_durations()

```
void briar::ClusterRequest::clear_durations ( )
```

7.147.3.7 CopyFrom()

```
void briar::ClusterRequest::CopyFrom (
    const ClusterRequest & from )
```

7.147.3.8 database()

```
const ::briar::BriarDatabase & briar::ClusterRequest::database ( ) const [inline]
```

7.147.3.9 default_instance()

```
static const ClusterRequest& briar::ClusterRequest::default_instance ( ) [inline], [static]
```

7.147.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterRequest::descriptor ( ) [inline],
[static]
```

7.147.3.11 durations()

```
const ::briar::BriarDurations & briar::ClusterRequest::durations ( ) const [inline]
```

7.147.3.12 GetCachedSize()

```
int briar::ClusterRequest::GetCachedSize ( ) const [inline], [final]
```

7.147.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ClusterRequest::GetClassData ( )  
const [final]
```

7.147.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ClusterRequest::GetDescriptor ( )  
[inline], [static]
```

7.147.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ClusterRequest::GetMetadata ( ) const [final]
```

7.147.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ClusterRequest::GetReflection ( )  
[inline], [static]
```

7.147.3.17 has_database()

```
bool briar::ClusterRequest::has_database ( ) const [inline]
```

7.147.3.18 has_durations()

```
bool briar::ClusterRequest::has_durations ( ) const [inline]
```

7.147.3.19 internal_default_instance()

```
static const ClusterRequest* briar::ClusterRequest::internal_default_instance ( ) [inline],  
[static]
```

7.147.3.20 IsInitialized()

```
bool briar::ClusterRequest::IsInitialized ( ) const [final]
```

7.147.3.21 MergeFrom()

```
void briar::ClusterRequest::MergeFrom (const ClusterRequest & from)
```

7.147.3.22 mutable_database()

```
briar::BriarDatabase * briar::ClusterRequest::mutable_database ( ) [inline]
```

7.147.3.23 mutable_durations()

```
briar::BriarDurations * briar::ClusterRequest::mutable_durations ( ) [inline]
```

7.147.3.24 New()

```
ClusterRequest* briar::ClusterRequest::New (::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.147.3.25 operator=() [1/2]

```
ClusterRequest& briar::ClusterRequest::operator= (
    ClusterRequest && from ) [inline], [noexcept]
```

7.147.3.26 operator=() [2/2]

```
ClusterRequest& briar::ClusterRequest::operator= (
    const ClusterRequest & from ) [inline]
```

7.147.3.27 release_database()

```
briar::BriarDatabase * briar::ClusterRequest::release_database () [inline]
```

7.147.3.28 release_durations()

```
briar::BriarDurations * briar::ClusterRequest::release_durations () [inline]
```

7.147.3.29 set_allocated_database()

```
void briar::ClusterRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.147.3.30 set_allocated_durations()

```
void briar::ClusterRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.147.3.31 Swap()

```
void briar::ClusterRequest::Swap (
    ClusterRequest * other ) [inline]
```

7.147.3.32 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::ClusterRequest::unsafe_arena_release_database () [inline]
```

7.147.3.33 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::ClusterRequest::unsafe_arena_release_durations () [inline]
```

7.147.3.34 unsafe_arena_set_allocated_database()

```
void briar::ClusterRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.147.3.35 unsafe_arena_set_allocated_durations()

```
void briar::ClusterRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.147.3.36 UnsafeArenaSwap()

```
void briar::ClusterRequest::UnsafeArenaSwap (
    ClusterRequest * other ) [inline]
```

7.147.4 Friends And Related Function Documentation

7.147.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.147.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.147.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.147.4.4 swap

```
void swap (
    ClusterRequest & a,
    ClusterRequest & b ) [friend]
```

7.147.5 Member Data Documentation

7.147.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ClusterRequest::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ClusterRequest::MergeImpl
}
```

7.147.5.2 kIndexInFileMessages

```
constexpr int briar::ClusterRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

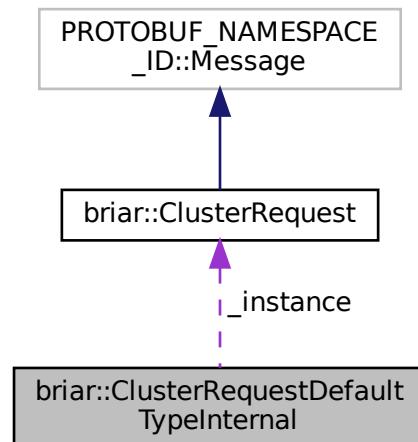
```
= 55
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.148 briar::ClusterRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ClusterRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ClusterRequestDefaultTypeInternal ()
- ~ClusterRequestDefaultTypeInternal ()

Public Attributes

- union {
 ClusterRequest _instance
};

7.148.1 Constructor & Destructor Documentation

7.148.1.1 ClusterRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ClusterRequestDefaultTypeInternal::ClusterRequestDefaultTypeInternal()
( ) [inline]
```

7.148.1.2 ~ClusterRequestDefaultTypeInternal()

```
briar::ClusterRequestDefaultTypeInternal::~ClusterRequestDefaultTypeInternal ( ) [inline]
```

7.148.2 Member Data Documentation

7.148.2.1

```
union { ... }
```

7.148.2.2 _instance

```
ClusterRequest briar::ClusterRequestDefaultTypeInternal::_instance
```

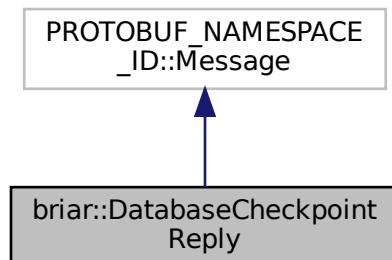
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar_service.pb.cc

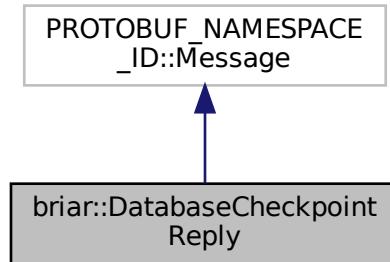
7.149 briar::DatabaseCheckpointReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseCheckpointReply:



Collaboration diagram for briar::DatabaseCheckpointReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsFieldNumber](#) = 2 , [kErrorsFieldNumber](#) = 3 , [kExistsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_exists](#) ()
- void [CopyFrom](#) (const DatabaseCheckpointReply &from)
- DatabaseCheckpointReply ()
- PROTOBUF_CONSTEXPR DatabaseCheckpointReply ([::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized](#))
- DatabaseCheckpointReply (const DatabaseCheckpointReply &from)
- DatabaseCheckpointReply (DatabaseCheckpointReply &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- bool [exists](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [IsInitialized](#) () const final

- void [MergeFrom](#) (const [DatabaseCheckpointReply](#) &from)
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarErrors * [mutable_errors](#) ()
- [DatabaseCheckpointReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [DatabaseCheckpointReply](#) & [operator=](#) (const [DatabaseCheckpointReply](#) &from)
- [DatabaseCheckpointReply](#) & [operator=](#) ([DatabaseCheckpointReply](#) &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- void [set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_exists](#) (bool value)
- void [Swap](#) ([DatabaseCheckpointReply](#) *other)
- ::briar::BriarDurations * [unsafe_arena_release_durations](#) ()
- ::briar::BriarErrors * [unsafe_arena_release_errors](#) ()
- void [unsafe_arena_set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [unsafe_arena_set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [UnsafeArenaSwap](#) ([DatabaseCheckpointReply](#) *other)
- ~[DatabaseCheckpointReply](#) () override

Static Public Member Functions

- static const [DatabaseCheckpointReply](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [DatabaseCheckpointReply](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseCheckpointReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void [swap](#) ([DatabaseCheckpointReply](#) &a, [DatabaseCheckpointReply](#) &b)

7.149.1 Member Enumeration Documentation

7.149.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDurationsFieldNumber	
kErrorsFieldNumber	
kExistsFieldNumber	

7.149.2 Constructor & Destructor Documentation**7.149.2.1 DatabaseCheckpointReply() [1/5]**

```
briar::DatabaseCheckpointReply::DatabaseCheckpointReply ( ) [inline]
```

7.149.2.2 ~DatabaseCheckpointReply()

```
briar::DatabaseCheckpointReply::~DatabaseCheckpointReply ( ) [override]
```

7.149.2.3 DatabaseCheckpointReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointReply::DatabaseCheckpointReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.149.2.4 DatabaseCheckpointReply() [3/5]

```
briar::DatabaseCheckpointReply::DatabaseCheckpointReply (
    const DatabaseCheckpointReply & from )
```

7.149.2.5 DatabaseCheckpointReply() [4/5]

```
briar::DatabaseCheckpointReply::DatabaseCheckpointReply (
    DatabaseCheckpointReply && from ) [inline], [noexcept]
```

7.149.2.6 DatabaseCheckpointReply() [5/5]

```
briar::DatabaseCheckpointReply::DatabaseCheckpointReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.149.3 Member Function Documentation

7.149.3.1 _InternalParse()

```
const char * briar::DatabaseCheckpointReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.149.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseCheckpointReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.149.3.3 ByteSizeLong()

```
size_t briar::DatabaseCheckpointReply::ByteSizeLong () const [final]
```

7.149.3.4 Clear()

```
void briar::DatabaseCheckpointReply::Clear () [final]
```

7.149.3.5 clear_durations()

```
void briar::DatabaseCheckpointReply::clear_durations ()
```

7.149.3.6 clear_errors()

```
void briar::DatabaseCheckpointReply::clear_errors ( )
```

7.149.3.7 clear_exists()

```
void briar::DatabaseCheckpointReply::clear_exists ( ) [inline]
```

7.149.3.8 CopyFrom()

```
void briar::DatabaseCheckpointReply::CopyFrom (
    const DatabaseCheckpointReply & from )
```

7.149.3.9 default_instance()

```
static const DatabaseCheckpointReply& briar::DatabaseCheckpointReply::default_instance ( )
[inline], [static]
```

7.149.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointReply::descriptor ( )
[inline], [static]
```

7.149.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointReply::durations ( ) const [inline]
```

7.149.3.12 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointReply::errors ( ) const [inline]
```

7.149.3.13 exists()

```
bool briar::DatabaseCheckpointReply::exists () const [inline]
```

7.149.3.14 GetCachedSize()

```
int briar::DatabaseCheckpointReply::GetCachedSize () const [inline], [final]
```

7.149.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseCheckpointReply::GetClassData () const [final]
```

7.149.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointReply::GetDescriptor () [inline], [static]
```

7.149.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseCheckpointReply::GetMetadata () const [final]
```

7.149.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseCheckpointReply::GetReflection () [inline], [static]
```

7.149.3.19 has_durations()

```
bool briar::DatabaseCheckpointReply::has_durations () const [inline]
```

7.149.3.20 has_errors()

```
bool briar::DatabaseCheckpointReply::has_errors ( ) const [inline]
```

7.149.3.21 internal_default_instance()

```
static const DatabaseCheckpointReply* briar::DatabaseCheckpointReply::internal_default_instance ( ) [inline], [static]
```

7.149.3.22 IsInitialized()

```
bool briar::DatabaseCheckpointReply::IsInitialized ( ) const [final]
```

7.149.3.23 MergeFrom()

```
void briar::DatabaseCheckpointReply::MergeFrom (
    const DatabaseCheckpointReply & from )
```

7.149.3.24 mutable_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointReply::mutable_durations ( ) [inline]
```

7.149.3.25 mutable_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointReply::mutable_errors ( ) [inline]
```

7.149.3.26 New()

```
DatabaseCheckpointReply* briar::DatabaseCheckpointReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.149.3.27 operator=() [1/2]

```
DatabaseCheckpointReply& briar::DatabaseCheckpointReply::operator= (
    const DatabaseCheckpointReply & from ) [inline]
```

7.149.3.28 operator=() [2/2]

```
DatabaseCheckpointReply& briar::DatabaseCheckpointReply::operator= (
    DatabaseCheckpointReply && from ) [inline], [noexcept]
```

7.149.3.29 release_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointReply::release_durations () [inline]
```

7.149.3.30 release_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointReply::release_errors () [inline]
```

7.149.3.31 set_allocated_durations()

```
void briar::DatabaseCheckpointReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.149.3.32 set_allocated_errors()

```
void briar::DatabaseCheckpointReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.149.3.33 set_exists()

```
void briar::DatabaseCheckpointReply::set_exists (
    bool value ) [inline]
```

7.149.3.34 Swap()

```
void briar::DatabaseCheckpointReply::Swap (
    DatabaseCheckpointReply * other ) [inline]
```

7.149.3.35 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointReply::unsafe_arena_release_durations ( )
[inline]
```

7.149.3.36 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointReply::unsafe_arena_release_errors ( ) [inline]
```

7.149.3.37 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseCheckpointReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.149.3.38 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseCheckpointReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.149.3.39 UnsafeArenaSwap()

```
void briar::DatabaseCheckpointReply::UnsafeArenaSwap (
    DatabaseCheckpointReply * other ) [inline]
```

7.149.4 Friends And Related Function Documentation

7.149.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.149.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.149.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.149.4.4 swap

```
void swap (
    DatabaseCheckpointReply & a,
    DatabaseCheckpointReply & b ) [friend]
```

7.149.5 Member Data Documentation

7.149.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseCheckpointReply::_class_<-
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseCheckpointReply::MergeImpl
}
```

7.149.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseCheckpointReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

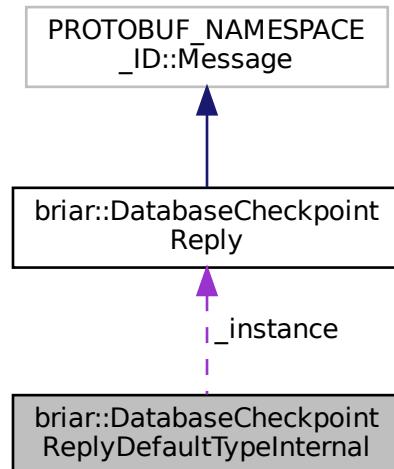
```
=
13
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.150 briar::DatabaseCheckpointReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseCheckpointReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseCheckpointReplyDefaultTypeInternal ()
- ~DatabaseCheckpointReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseCheckpointReply _instance
};

7.150.1 Constructor & Destructor Documentation

7.150.1.1 DatabaseCheckpointReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointReplyDefaultTypeInternal::DatabaseCheckpointReplyDefaultTypeInternal ( ) [inline]
```

7.150.1.2 ~DatabaseCheckpointReplyDefaultTypeInternal()

```
briar::DatabaseCheckpointReplyDefaultTypeInternal::~DatabaseCheckpointReplyDefaultTypeInternal
() [inline]
```

7.150.2 Member Data Documentation

7.150.2.1

```
union { ... }
```

7.150.2.2 _instance

```
DatabaseCheckpointReply briar::DatabaseCheckpointReplyDefaultTypeInternal::_instance
```

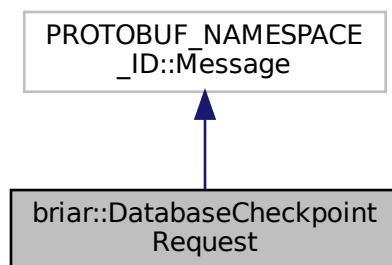
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

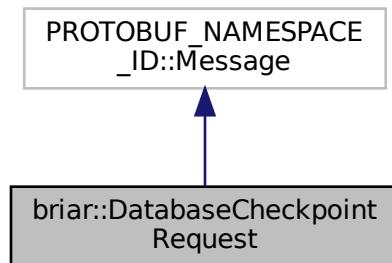
7.151 briar::DatabaseCheckpointRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseCheckpointRequest:



Collaboration diagram for briar::DatabaseCheckpointRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 3 , [kDurationsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [CopyFrom](#) (const DatabaseCheckpointRequest &from)
- const ::briar::BriarDatabase & [database](#) () const
- DatabaseCheckpointRequest ()
- PROTOBUF_CONSTEXPR DatabaseCheckpointRequest (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- DatabaseCheckpointRequest (const DatabaseCheckpointRequest &from)
- DatabaseCheckpointRequest (DatabaseCheckpointRequest &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_durations](#) () const
- bool [has_errors](#) () const

- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseCheckpointRequest &from)`
- `::briar::BriarDatabase * mutable_database ()`
- `::briar::BriarDurations * mutable_durations ()`
- `::briar::BriarErrors * mutable_errors ()`
- `DatabaseCheckpointRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseCheckpointRequest & operator= (const DatabaseCheckpointRequest &from)`
- `DatabaseCheckpointRequest & operator= (DatabaseCheckpointRequest &&from) noexcept`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_database ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `PROTOBUF_NODISCARD ::briar::BriarErrors * release_errors ()`
- void `set_allocated_database (::briar::BriarDatabase *database)`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_errors (::briar::BriarErrors *errors)`
- void `Swap (DatabaseCheckpointRequest *other)`
- `::briar::BriarDatabase * unsafe_arena_release_database ()`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- void `unsafe_arena_set_allocated_database (::briar::BriarDatabase *database)`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `UnsafeArenaSwap (DatabaseCheckpointRequest *other)`
- `~DatabaseCheckpointRequest () override`

Static Public Member Functions

- static const `DatabaseCheckpointRequest & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DatabaseCheckpointRequest * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseCheckpointRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap (DatabaseCheckpointRequest &a, DatabaseCheckpointRequest &b)`

7.151.1 Member Enumeration Documentation

7.151.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kErrorsFieldNumber	
kDurationsFieldNumber	

7.151.2 Constructor & Destructor Documentation**7.151.2.1 DatabaseCheckpointRequest() [1/5]**

```
briar::DatabaseCheckpointRequest::DatabaseCheckpointRequest ( ) [inline]
```

7.151.2.2 ~DatabaseCheckpointRequest()

```
briar::DatabaseCheckpointRequest::~DatabaseCheckpointRequest ( ) [override]
```

7.151.2.3 DatabaseCheckpointRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointRequest::DatabaseCheckpointRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.151.2.4 DatabaseCheckpointRequest() [3/5]

```
briar::DatabaseCheckpointRequest::DatabaseCheckpointRequest (
    const DatabaseCheckpointRequest & from )
```

7.151.2.5 DatabaseCheckpointRequest() [4/5]

```
briar::DatabaseCheckpointRequest::DatabaseCheckpointRequest (
    DatabaseCheckpointRequest && from ) [inline], [noexcept]
```

7.151.2.6 DatabaseCheckpointRequest() [5/5]

```
briar::DatabaseCheckpointRequest::DatabaseCheckpointRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.151.3 Member Function Documentation

7.151.3.1 _InternalParse()

```
const char * briar::DatabaseCheckpointRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.151.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseCheckpointRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.151.3.3 ByteSizeLong()

```
size_t briar::DatabaseCheckpointRequest::ByteSizeLong () const [final]
```

7.151.3.4 Clear()

```
void briar::DatabaseCheckpointRequest::Clear () [final]
```

7.151.3.5 clear_database()

```
void briar::DatabaseCheckpointRequest::clear_database ()
```

7.151.3.6 clear_durations()

```
void briar::DatabaseCheckpointRequest::clear_durations ( )
```

7.151.3.7 clear_errors()

```
void briar::DatabaseCheckpointRequest::clear_errors ( )
```

7.151.3.8 CopyFrom()

```
void briar::DatabaseCheckpointRequest::CopyFrom (
    const DatabaseCheckpointRequest & from )
```

7.151.3.9 database()

```
const ::briar::BriarDatabase & briar::DatabaseCheckpointRequest::database ( ) const [inline]
```

7.151.3.10 default_instance()

```
static const DatabaseCheckpointRequest& briar::DatabaseCheckpointRequest::default_instance ( )
[inline], [static]
```

7.151.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointRequest::descriptor
( ) [inline], [static]
```

7.151.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointRequest::durations ( ) const [inline]
```

7.151.3.13 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointRequest::errors () const [inline]
```

7.151.3.14 GetCachedSize()

```
int briar::DatabaseCheckpointRequest::GetCachedSize () const [inline], [final]
```

7.151.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseCheckpointRequest::GetClassData () const [final]
```

7.151.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointRequest::GetDescriptor () [inline], [static]
```

7.151.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseCheckpointRequest::GetMetadata () const [final]
```

7.151.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseCheckpointRequest::GetReflection () [inline], [static]
```

7.151.3.19 has_database()

```
bool briar::DatabaseCheckpointRequest::has_database () const [inline]
```

7.151.3.20 has_durations()

```
bool briar::DatabaseCheckpointRequest::has_durations ( ) const [inline]
```

7.151.3.21 has_errors()

```
bool briar::DatabaseCheckpointRequest::has_errors ( ) const [inline]
```

7.151.3.22 internal_default_instance()

```
static const DatabaseCheckpointRequest* briar::DatabaseCheckpointRequest::internal_default_←  
instance ( ) [inline], [static]
```

7.151.3.23 IsInitialized()

```
bool briar::DatabaseCheckpointRequest::IsInitialized ( ) const [final]
```

7.151.3.24 MergeFrom()

```
void briar::DatabaseCheckpointRequest::MergeFrom (   
    const DatabaseCheckpointRequest & from )
```

7.151.3.25 mutable_database()

```
briar::BriarDatabase * briar::DatabaseCheckpointRequest::mutable_database ( ) [inline]
```

7.151.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointRequest::mutable_durations ( ) [inline]
```

7.151.3.27 mutable_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointRequest::mutable_errors ( ) [inline]
```

7.151.3.28 New()

```
DatabaseCheckpointRequest* briar::DatabaseCheckpointRequest::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.151.3.29 operator=() [1/2]

```
DatabaseCheckpointRequest& briar::DatabaseCheckpointRequest::operator= (   
    const DatabaseCheckpointRequest & from ) [inline]
```

7.151.3.30 operator=() [2/2]

```
DatabaseCheckpointRequest& briar::DatabaseCheckpointRequest::operator= (   
    DatabaseCheckpointRequest && from ) [inline], [noexcept]
```

7.151.3.31 release_database()

```
briar::BriarDatabase * briar::DatabaseCheckpointRequest::release_database ( ) [inline]
```

7.151.3.32 release_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointRequest::release_durations ( ) [inline]
```

7.151.3.33 release_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointRequest::release_errors ( ) [inline]
```

7.151.3.34 `set_allocated_database()`

```
void briar::DatabaseCheckpointRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.151.3.35 `set_allocated_durations()`

```
void briar::DatabaseCheckpointRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.151.3.36 `set_allocated_errors()`

```
void briar::DatabaseCheckpointRequest::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.151.3.37 `Swap()`

```
void briar::DatabaseCheckpointRequest::Swap (
    DatabaseCheckpointRequest * other ) [inline]
```

7.151.3.38 `unsafe_arena_release_database()`

```
briar::BriarDatabase * briar::DatabaseCheckpointRequest::unsafe_arena_release_database ( )
[inline]
```

7.151.3.39 `unsafe_arena_release_durations()`

```
briar::BriarDurations * briar::DatabaseCheckpointRequest::unsafe_arena_release_durations ( )
[inline]
```

7.151.3.40 `unsafe_arena_release_errors()`

```
briar::BriarErrors * briar::DatabaseCheckpointRequest::unsafe_arena_release_errors ( ) [inline]
```

7.151.3.41 unsafe_arena_set_allocated_database()

```
void briar::DatabaseCheckpointRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.151.3.42 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseCheckpointRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.151.3.43 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseCheckpointRequest::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.151.3.44 UnsafeArenaSwap()

```
void briar::DatabaseCheckpointRequest::UnsafeArenaSwap (
    DatabaseCheckpointRequest * other ) [inline]
```

7.151.4 Friends And Related Function Documentation**7.151.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.151.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.151.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.151.4.4 swap

```
void swap (
    DatabaseCheckpointRequest & a,
    DatabaseCheckpointRequest & b ) [friend]
```

7.151.5 Member Data Documentation

7.151.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseCheckpointRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseCheckpointRequest::MergeImpl
}
```

7.151.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseCheckpointRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

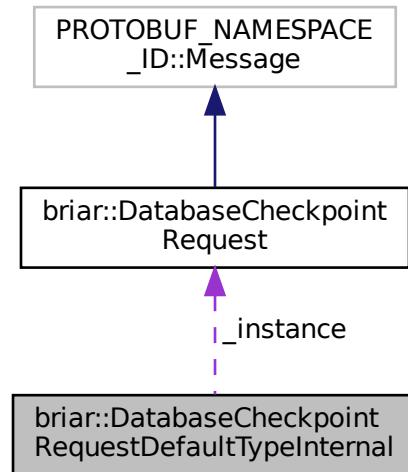
```
= 11
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.152 briar::DatabaseCheckpointRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseCheckpointRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseCheckpointRequestDefaultTypeInternal ()
- ~DatabaseCheckpointRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseCheckpointRequest _instance
 };

7.152.1 Constructor & Destructor Documentation

7.152.1.1 DatabaseCheckpointRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointRequestDefaultTypeInternal::DatabaseCheckpointRequestDefaultTypeInternal ( ) [inline]
```

7.152.1.2 ~DatabaseCheckpointRequestDefaultTypeInternal()

```
briar::DatabaseCheckpointRequestDefaultTypeInternal::~DatabaseCheckpointRequestDefaultTypeInternal ( ) [inline]
```

7.152.2 Member Data Documentation

7.152.2.1

```
union { ... }
```

7.152.2.2 _instance

```
DatabaseCheckpointRequest briar::DatabaseCheckpointRequestDefaultTypeInternal::_instance
```

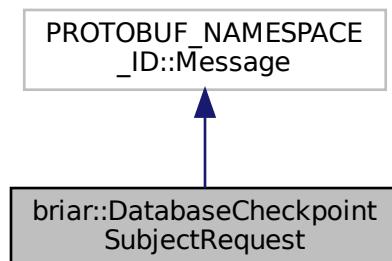
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

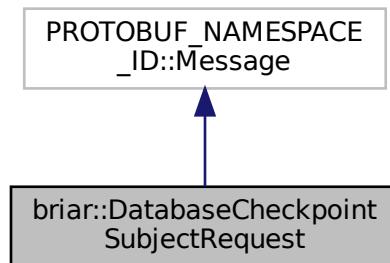
7.153 briar::DatabaseCheckpointSubjectRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseCheckpointSubjectRequest:



Collaboration diagram for briar::DatabaseCheckpointSubjectRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kSubjectIdFieldNumber](#) = 2 , [kDatabaseFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 3 , [kDurationsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_subject_id](#) ()
- void [CopyFrom](#) (const DatabaseCheckpointSubjectRequest &from)
- const ::briar::BriarDatabase & [database](#) () const
- DatabaseCheckpointSubjectRequest ()
- PROTOBUF_CONSTEXPR DatabaseCheckpointSubjectRequest (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- DatabaseCheckpointSubjectRequest (const DatabaseCheckpointSubjectRequest &from)
- DatabaseCheckpointSubjectRequest (DatabaseCheckpointSubjectRequest &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const

- bool `has_durations () const`
- bool `has_errors () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseCheckpointSubjectRequest &from)`
- `::briar::BriarDatabase * mutable_database ()`
- `::briar::BriarDurations * mutable_durations ()`
- `::briar::BriarErrors * mutable_errors ()`
- `std::string * mutable_subject_id ()`
- `DatabaseCheckpointSubjectRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseCheckpointSubjectRequest & operator= (const DatabaseCheckpointSubjectRequest &from)`
- `DatabaseCheckpointSubjectRequest & operator= (DatabaseCheckpointSubjectRequest &&from) noexcept`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_database ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `PROTOBUF_NODISCARD ::briar::BriarErrors * release_errors ()`
- `PROTOBUF_NODISCARD std::string * release_subject_id ()`
- void `set_allocated_database (::briar::BriarDatabase *database)`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_errors (::briar::BriarErrors *errors)`
- void `set_allocated_subject_id (std::string *subject_id)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_subject_id (ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 , typename... ArgT>
`PROTOBUF_ALWAYS_INLINE void set_subject_id (ArgT0 &&arg0, ArgT... args)`
- const std::string & `subject_id () const`
- void `Swap (DatabaseCheckpointSubjectRequest *other)`
- `::briar::BriarDatabase * unsafe_arena_release_database ()`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- void `unsafe_arena_set_allocated_database (::briar::BriarDatabase *database)`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `UnsafeArenaSwap (DatabaseCheckpointSubjectRequest *other)`
- `~DatabaseCheckpointSubjectRequest () override`

Static Public Member Functions

- static const `DatabaseCheckpointSubjectRequest & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DatabaseCheckpointSubjectRequest * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseCheckpointSubjectRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)`

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fService_2eproto
- void swap (DatabaseCheckpointSubjectRequest &a, DatabaseCheckpointSubjectRequest &b)

7.153.1 Member Enumeration Documentation

7.153.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubjectIdFieldNumber	
kDatabaseFieldNumber	
kErrorsFieldNumber	
kDurationsFieldNumber	

7.153.2 Constructor & Destructor Documentation

7.153.2.1 DatabaseCheckpointSubjectRequest() [1/5]

```
briar::DatabaseCheckpointSubjectRequest::DatabaseCheckpointSubjectRequest ( ) [inline]
```

7.153.2.2 ~DatabaseCheckpointSubjectRequest()

```
briar::DatabaseCheckpointSubjectRequest::~DatabaseCheckpointSubjectRequest ( ) [override]
```

7.153.2.3 DatabaseCheckpointSubjectRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointSubjectRequest::DatabaseCheckpointSubjectRequest ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.153.2.4 DatabaseCheckpointSubjectRequest() [3/5]

```
briar::DatabaseCheckpointSubjectRequest::DatabaseCheckpointSubjectRequest (
    const DatabaseCheckpointSubjectRequest & from )
```

7.153.2.5 DatabaseCheckpointSubjectRequest() [4/5]

```
briar::DatabaseCheckpointSubjectRequest::DatabaseCheckpointSubjectRequest (
    DatabaseCheckpointSubjectRequest && from ) [inline], [noexcept]
```

7.153.2.6 DatabaseCheckpointSubjectRequest() [5/5]

```
briar::DatabaseCheckpointSubjectRequest::DatabaseCheckpointSubjectRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.153.3 Member Function Documentation

7.153.3.1 _InternalParse()

```
const char * briar::DatabaseCheckpointSubjectRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.153.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseCheckpointSubjectRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.153.3.3 ByteSizeLong()

```
size_t briar::DatabaseCheckpointSubjectRequest::ByteSizeLong ( ) const [final]
```

7.153.3.4 Clear()

```
void briar::DatabaseCheckpointSubjectRequest::Clear ( ) [final]
```

7.153.3.5 clear_database()

```
void briar::DatabaseCheckpointSubjectRequest::clear_database ( )
```

7.153.3.6 clear_durations()

```
void briar::DatabaseCheckpointSubjectRequest::clear_durations ( )
```

7.153.3.7 clear_errors()

```
void briar::DatabaseCheckpointSubjectRequest::clear_errors ( )
```

7.153.3.8 clear_subject_id()

```
void briar::DatabaseCheckpointSubjectRequest::clear_subject_id ( ) [inline]
```

7.153.3.9 CopyFrom()

```
void briar::DatabaseCheckpointSubjectRequest::CopyFrom (
    const DatabaseCheckpointSubjectRequest & from )
```

7.153.3.10 database()

```
const ::briar::BriarDatabase & briar::DatabaseCheckpointSubjectRequest::database ( ) const
[inline]
```

7.153.3.11 default_instance()

```
static const DatabaseCheckpointSubjectRequest& briar::DatabaseCheckpointSubjectRequest::default_instance () [inline], [static]
```

7.153.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointSubjectRequest::descriptor () [inline], [static]
```

7.153.3.13 durations()

```
const ::briar::BriarDurations & briar::DatabaseCheckpointSubjectRequest::durations () const [inline]
```

7.153.3.14 errors()

```
const ::briar::BriarErrors & briar::DatabaseCheckpointSubjectRequest::errors () const [inline]
```

7.153.3.15 GetCachedSize()

```
int briar::DatabaseCheckpointSubjectRequest::GetCachedSize () const [inline], [final]
```

7.153.3.16 GetData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseCheckpointSubjectRequest::GetClassData () const [final]
```

7.153.3.17 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCheckpointSubjectRequest::GetDescriptor () [inline], [static]
```

7.153.3.18 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseCheckpointSubjectRequest::GetMetadata ( ) const  
[final]
```

7.153.3.19 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseCheckpointSubjectRequest::←  
GetReflection ( ) [inline], [static]
```

7.153.3.20 has_database()

```
bool briar::DatabaseCheckpointSubjectRequest::has_database ( ) const [inline]
```

7.153.3.21 has_durations()

```
bool briar::DatabaseCheckpointSubjectRequest::has_durations ( ) const [inline]
```

7.153.3.22 has_errors()

```
bool briar::DatabaseCheckpointSubjectRequest::has_errors ( ) const [inline]
```

7.153.3.23 internal_default_instance()

```
static const DatabaseCheckpointSubjectRequest* briar::DatabaseCheckpointSubjectRequest::internal←  
_default_instance ( ) [inline], [static]
```

7.153.3.24 IsInitialized()

```
bool briar::DatabaseCheckpointSubjectRequest::IsInitialized ( ) const [final]
```

7.153.3.25 MergeFrom()

```
void briar::DatabaseCheckpointSubjectRequest::MergeFrom (
    const DatabaseCheckpointSubjectRequest & from )
```

7.153.3.26 mutable_database()

```
briar::BriarDatabase * briar::DatabaseCheckpointSubjectRequest::mutable_database ( ) [inline]
```

7.153.3.27 mutable_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointSubjectRequest::mutable_durations ( ) [inline]
```

7.153.3.28 mutable_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointSubjectRequest::mutable_errors ( ) [inline]
```

7.153.3.29 mutable_subject_id()

```
std::string * briar::DatabaseCheckpointSubjectRequest::mutable_subject_id ( ) [inline]
```

7.153.3.30 New()

```
DatabaseCheckpointSubjectRequest* briar::DatabaseCheckpointSubjectRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.153.3.31 operator=() [1/2]

```
DatabaseCheckpointSubjectRequest& briar::DatabaseCheckpointSubjectRequest::operator= (
    const DatabaseCheckpointSubjectRequest & from ) [inline]
```

7.153.3.32 operator=() [2/2]

```
DatabaseCheckpointSubjectRequest& briar::DatabaseCheckpointSubjectRequest::operator= (
    DatabaseCheckpointSubjectRequest && from ) [inline], [noexcept]
```

7.153.3.33 release_database()

```
briar::BriarDatabase * briar::DatabaseCheckpointSubjectRequest::release_database () [inline]
```

7.153.3.34 release_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointSubjectRequest::release_durations () [inline]
```

7.153.3.35 release_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointSubjectRequest::release_errors () [inline]
```

7.153.3.36 release_subject_id()

```
std::string * briar::DatabaseCheckpointSubjectRequest::release_subject_id () [inline]
```

7.153.3.37 set_allocated_database()

```
void briar::DatabaseCheckpointSubjectRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.153.3.38 set_allocated_durations()

```
void briar::DatabaseCheckpointSubjectRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.153.3.39 set_allocated_errors()

```
void briar::DatabaseCheckpointSubjectRequest::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.153.3.40 set_allocated_subject_id()

```
void briar::DatabaseCheckpointSubjectRequest::set_allocated_subject_id (
    std::string * subject_id ) [inline]
```

7.153.3.41 set_subject_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseCheckpointSubjectRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.153.3.42 set_subject_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseCheckpointSubjectRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.153.3.43 subject_id()

```
const std::string & briar::DatabaseCheckpointSubjectRequest::subject_id ( ) const [inline]
```

7.153.3.44 Swap()

```
void briar::DatabaseCheckpointSubjectRequest::Swap (
    DatabaseCheckpointSubjectRequest * other ) [inline]
```

7.153.3.45 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseCheckpointSubjectRequest::unsafe_arena_release_database  
( ) [inline]
```

7.153.3.46 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseCheckpointSubjectRequest::unsafe_arena_release_durations  
( ) [inline]
```

7.153.3.47 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseCheckpointSubjectRequest::unsafe_arena_release_errors ( )  
[inline]
```

7.153.3.48 unsafe_arena_set_allocated_database()

```
void briar::DatabaseCheckpointSubjectRequest::unsafe_arena_set_allocated_database (   
    ::briar::BriarDatabase * database ) [inline]
```

7.153.3.49 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseCheckpointSubjectRequest::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.153.3.50 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseCheckpointSubjectRequest::unsafe_arena_set_allocated_errors (   
    ::briar::BriarErrors * errors ) [inline]
```

7.153.3.51 UnsafeArenaSwap()

```
void briar::DatabaseCheckpointSubjectRequest::UnsafeArenaSwap (   
    DatabaseCheckpointSubjectRequest * other ) [inline]
```

7.153.4 Friends And Related Function Documentation

7.153.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.153.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.153.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.153.4.4 swap

```
void swap (
    DatabaseCheckpointSubjectRequest & a,
    DatabaseCheckpointSubjectRequest & b ) [friend]
```

7.153.5 Member Data Documentation

7.153.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseCheckpointSubjectRequest::_←
class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseCheckpointSubjectRequest::MergeImpl
}
```

7.153.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseCheckpointSubjectRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

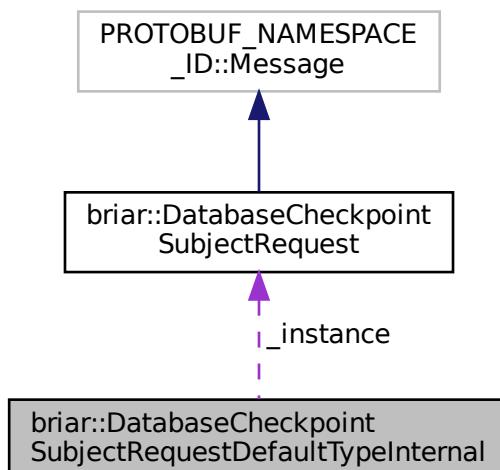
```
= 12
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.154 briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseCheckpointSubjectRequestDefaultTypeInternal ()
- [~DatabaseCheckpointSubjectRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 DatabaseCheckpointSubjectRequest _instance
 };

7.154.1 Constructor & Destructor Documentation

7.154.1.1 DatabaseCheckpointSubjectRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal::DatabaseCheckpoin  
tSubjectRequestDefaultTypeInternal ( ) [inline]
```

7.154.1.2 ~DatabaseCheckpointSubjectRequestDefaultTypeInternal()

```
briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal::~DatabaseCheckpointSubjectRequestDefaultTypeInternal ( ) [inline]
```

7.154.2 Member Data Documentation

7.154.2.1

```
union { ... }
```

7.154.2.2 _instance

```
DatabaseCheckpointSubjectRequest briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal  
::_instance
```

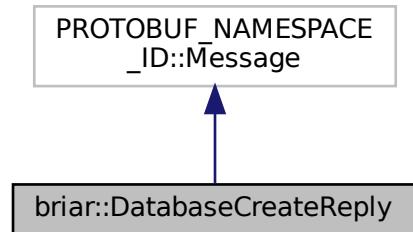
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

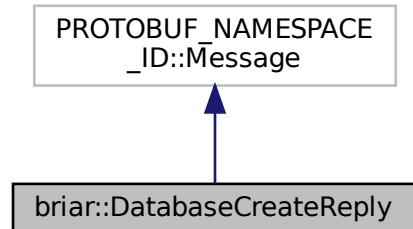
7.155 briar::DatabaseCreateReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseCreateReply:



Collaboration diagram for briar::DatabaseCreateReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kIdsFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 , [kErrorsFieldNumber](#) = 3 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_ids` ()
- void `CopyFrom` (const `DatabaseCreateReply` &from)
- `DatabaseCreateReply` ()
- PROTOBUF_CONSTEXPR `DatabaseCreateReply` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized>)
- `DatabaseCreateReply` (const `DatabaseCreateReply` &from)
- `DatabaseCreateReply` (`DatabaseCreateReply` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- const ::briar::BriarErrors & `errors` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `has_ids` () const
- const ::briar::TemplateIds & `ids` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseCreateReply` &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- ::briar::TemplateIds * `mutable_ids` ()
- `DatabaseCreateReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseCreateReply` & `operator=` (const `DatabaseCreateReply` &from)
- `DatabaseCreateReply` & `operator=` (`DatabaseCreateReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- PROTOBUF_NODISCARD ::briar::TemplateIds * `release_ids` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_errors` (::briar::BriarErrors *errors)
- void `set_allocated_ids` (::briar::TemplateIds *ids)
- void `Swap` (`DatabaseCreateReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- ::briar::TemplateIds * `unsafe_arena_release_ids` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *errors)
- void `unsafe_arena_set_allocated_ids` (::briar::TemplateIds *ids)
- void `UnsafeArenaSwap` (`DatabaseCreateReply` *other)
- `~DatabaseCreateReply` () override

Static Public Member Functions

- static const `DatabaseCreateReply` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseCreateReply` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseCreateReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void [swap](#) ([DatabaseCreateReply](#) &a, [DatabaseCreateReply](#) &b)

7.155.1 Member Enumeration Documentation

7.155.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kldsFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	

7.155.2 Constructor & Destructor Documentation

7.155.2.1 DatabaseCreateReply() [1/5]

```
briar::DatabaseCreateReply::DatabaseCreateReply ( ) [inline]
```

7.155.2.2 ~DatabaseCreateReply()

```
briar::DatabaseCreateReply::~DatabaseCreateReply ( ) [override]
```

7.155.2.3 DatabaseCreateReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseCreateReply::DatabaseCreateReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.155.2.4 DatabaseCreateReply() [3/5]

```
briar::DatabaseCreateReply::DatabaseCreateReply (
    const DatabaseCreateReply & from )
```

7.155.2.5 DatabaseCreateReply() [4/5]

```
briar::DatabaseCreateReply::DatabaseCreateReply (
    DatabaseCreateReply && from ) [inline], [noexcept]
```

7.155.2.6 DatabaseCreateReply() [5/5]

```
briar::DatabaseCreateReply::DatabaseCreateReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.155.3 Member Function Documentation

7.155.3.1 _InternalParse()

```
const char * briar::DatabaseCreateReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.155.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseCreateReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.155.3.3 ByteSizeLong()

```
size_t briar::DatabaseCreateReply::ByteSizeLong ( ) const [final]
```

7.155.3.4 Clear()

```
void briar::DatabaseCreateReply::Clear ( ) [final]
```

7.155.3.5 clear_durations()

```
void briar::DatabaseCreateReply::clear_durations ( )
```

7.155.3.6 clear_errors()

```
void briar::DatabaseCreateReply::clear_errors ( )
```

7.155.3.7 clear_ids()

```
void briar::DatabaseCreateReply::clear_ids ( )
```

7.155.3.8 CopyFrom()

```
void briar::DatabaseCreateReply::CopyFrom (
    const DatabaseCreateReply & from )
```

7.155.3.9 default_instance()

```
static const DatabaseCreateReply& briar::DatabaseCreateReply::default_instance ( ) [inline], [static]
```

7.155.3.10 **descriptor()**

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCreateReply::descriptor( )  
[inline], [static]
```

7.155.3.11 **durations()**

```
const ::briar::BriarDurations & briar::DatabaseCreateReply::durations( ) const [inline]
```

7.155.3.12 **errors()**

```
const ::briar::BriarErrors & briar::DatabaseCreateReply::errors( ) const [inline]
```

7.155.3.13 **GetCachedSize()**

```
int briar::DatabaseCreateReply::GetCachedSize( ) const [inline], [final]
```

7.155.3.14 **GetClassData()**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseCreateReply::GetClassData( )  
const [final]
```

7.155.3.15 **GetDescriptor()**

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCreateReply::GetDescriptor( )  
[inline], [static]
```

7.155.3.16 **GetMetadata()**

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseCreateReply::GetMetadata( ) const [final]
```

7.155.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseCreateReply::GetReflection( ) [inline], [static]
```

7.155.3.18 has_durations()

```
bool briar::DatabaseCreateReply::has_durations( ) const [inline]
```

7.155.3.19 has_errors()

```
bool briar::DatabaseCreateReply::has_errors( ) const [inline]
```

7.155.3.20 has_ids()

```
bool briar::DatabaseCreateReply::has_ids( ) const [inline]
```

7.155.3.21 ids()

```
const ::briar::TemplateIds& briar::DatabaseCreateReply::ids( ) const [inline]
```

7.155.3.22 internal_default_instance()

```
static const DatabaseCreateReply* briar::DatabaseCreateReply::internal_default_instance( ) [inline], [static]
```

7.155.3.23 IsInitialized()

```
bool briar::DatabaseCreateReply::IsInitialized( ) const [final]
```

7.155.3.24 MergeFrom()

```
void briar::DatabaseCreateReply::MergeFrom (
    const DatabaseCreateReply & from )
```

7.155.3.25 mutable_durations()

```
briar::BriarDurations * briar::DatabaseCreateReply::mutable_durations ( ) [inline]
```

7.155.3.26 mutable_errors()

```
briar::BriarErrors * briar::DatabaseCreateReply::mutable_errors ( ) [inline]
```

7.155.3.27 mutable_ids()

```
briar::TemplateIds * briar::DatabaseCreateReply::mutable_ids ( ) [inline]
```

7.155.3.28 New()

```
DatabaseCreateReply* briar::DatabaseCreateReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.155.3.29 operator=() [1/2]

```
DatabaseCreateReply& briar::DatabaseCreateReply::operator= (
    const DatabaseCreateReply & from ) [inline]
```

7.155.3.30 operator=() [2/2]

```
DatabaseCreateReply& briar::DatabaseCreateReply::operator= (
    DatabaseCreateReply && from ) [inline], [noexcept]
```

7.155.3.31 release_durations()

```
briar::BriarDurations * briar::DatabaseCreateReply::release_durations ( ) [inline]
```

7.155.3.32 release_errors()

```
briar::BriarErrors * briar::DatabaseCreateReply::release_errors ( ) [inline]
```

7.155.3.33 release_ids()

```
briar::TemplateIds * briar::DatabaseCreateReply::release_ids ( ) [inline]
```

7.155.3.34 set_allocated_durations()

```
void briar::DatabaseCreateReply::set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.155.3.35 set_allocated_errors()

```
void briar::DatabaseCreateReply::set_allocated_errors (  
    ::briar::BriarErrors * errors ) [inline]
```

7.155.3.36 set_allocated_ids()

```
void briar::DatabaseCreateReply::set_allocated_ids (   
    ::briar::TemplateIds * ids ) [inline]
```

7.155.3.37 Swap()

```
void briar::DatabaseCreateReply::Swap (   
    DatabaseCreateReply * other ) [inline]
```

7.155.3.38 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseCreateReply::unsafe_arena_release_durations ( ) [inline]
```

7.155.3.39 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseCreateReply::unsafe_arena_release_errors ( ) [inline]
```

7.155.3.40 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseCreateReply::unsafe_arena_release_ids ( ) [inline]
```

7.155.3.41 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseCreateReply::unsafe_arena_set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.155.3.42 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseCreateReply::unsafe_arena_set_allocated_errors (   
    ::briar::BriarErrors * errors ) [inline]
```

7.155.3.43 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseCreateReply::unsafe_arena_set_allocated_ids (   
    ::briar::TemplateIds * ids ) [inline]
```

7.155.3.44 UnsafeArenaSwap()

```
void briar::DatabaseCreateReply::UnsafeArenaSwap (   
    DatabaseCreateReply * other ) [inline]
```

7.155.4 Friends And Related Function Documentation

7.155.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.155.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.155.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.155.4.4 swap

```
void swap (
    DatabaseCreateReply & a,
    DatabaseCreateReply & b ) [friend]
```

7.155.5 Member Data Documentation

7.155.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseCreateReply::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseCreateReply::MergeImpl
}
```

7.155.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseCreateReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

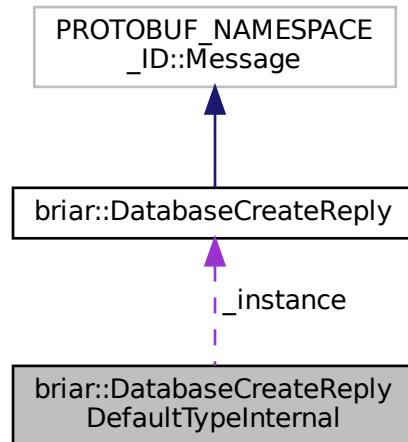
```
= 10
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.156 briar::DatabaseCreateReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseCreateReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseCreateReplyDefaultTypeInternal ()
- ~DatabaseCreateReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseCreateReply _instance
 };

7.156.1 Constructor & Destructor Documentation

7.156.1.1 DatabaseCreateReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseCreateReplyDefaultTypeInternal::DatabaseCreateReplyDefault←  
TypeInternal ( ) [inline]
```

7.156.1.2 ~DatabaseCreateReplyDefaultTypeInternal()

```
briar::DatabaseCreateReplyDefaultTypeInternal::~DatabaseCreateReplyDefaultTypeInternal ( )  
[inline]
```

7.156.2 Member Data Documentation

7.156.2.1

```
union { ... }
```

7.156.2.2 _instance

[DatabaseCreateReply](#) briar::DatabaseCreateReplyDefaultTypeInternal::_instance

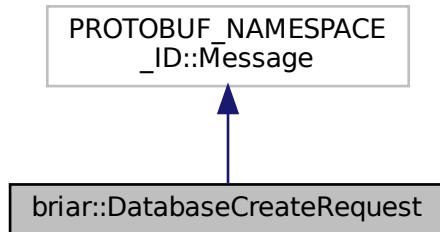
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

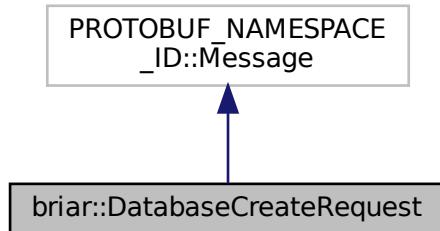
7.157 briar::DatabaseCreateRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseCreateRequest:



Collaboration diagram for briar::DatabaseCreateRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kTmplsFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_durations` ()
- void `clear_tmpls` ()
- void `CopyFrom` (const `DatabaseCreateRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- `DatabaseCreateRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseCreateRequest` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized)
- `DatabaseCreateRequest` (const `DatabaseCreateRequest` &from)
- `DatabaseCreateRequest` (`DatabaseCreateRequest` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_durations` () const
- bool `has_tmpls` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseCreateRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::TemplateList * `mutable_tmpls` ()
- `DatabaseCreateRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseCreateRequest` & `operator=` (const `DatabaseCreateRequest` &from)
- `DatabaseCreateRequest` & `operator=` (`DatabaseCreateRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::TemplateList * `release_tmpls` ()
- void `set_allocated_database` (::briar::BriarDatabase *database)
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_tmpls` (::briar::TemplateList *tmpls)
- void `Swap` (`DatabaseCreateRequest` *other)
- const ::briar::TemplateList & `tmpls` () const
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::TemplateList * `unsafe_arena_release_tmpls` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_tmpls` (::briar::TemplateList *tmpls)
- void `UnsafeArenaSwap` (`DatabaseCreateRequest` *other)
- `~DatabaseCreateRequest` () override

Static Public Member Functions

- static const `DatabaseCreateRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseCreateRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseCreateRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void [swap](#) ([DatabaseCreateRequest](#) &a, [DatabaseCreateRequest](#) &b)

7.157.1 Member Enumeration Documentation

7.157.1.1 anonymous enum

anonymous enum : int

Enumerator

kDatabaseFieldNumber	
kTmplsFieldNumber	
kDurationsFieldNumber	

7.157.2 Constructor & Destructor Documentation

7.157.2.1 DatabaseCreateRequest() [1/5]

briar::DatabaseCreateRequest::DatabaseCreateRequest () [inline]

7.157.2.2 ~DatabaseCreateRequest()

briar::DatabaseCreateRequest::~DatabaseCreateRequest () [override]

7.157.2.3 DatabaseCreateRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseCreateRequest::DatabaseCreateRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.157.2.4 DatabaseCreateRequest() [3/5]

```
briar::DatabaseCreateRequest::DatabaseCreateRequest (
    const DatabaseCreateRequest & from )
```

7.157.2.5 DatabaseCreateRequest() [4/5]

```
briar::DatabaseCreateRequest::DatabaseCreateRequest (
    DatabaseCreateRequest && from ) [inline], [noexcept]
```

7.157.2.6 DatabaseCreateRequest() [5/5]

```
briar::DatabaseCreateRequest::DatabaseCreateRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.157.3 Member Function Documentation

7.157.3.1 _InternalParse()

```
const char * briar::DatabaseCreateRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.157.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseCreateRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.157.3.3 **ByteSizeLong()**

```
size_t briar::DatabaseCreateRequest::ByteSizeLong ( ) const [final]
```

7.157.3.4 **Clear()**

```
void briar::DatabaseCreateRequest::Clear ( ) [final]
```

7.157.3.5 **clear_database()**

```
void briar::DatabaseCreateRequest::clear_database ( )
```

7.157.3.6 **clear_durations()**

```
void briar::DatabaseCreateRequest::clear_durations ( )
```

7.157.3.7 **clear_tmpls()**

```
void briar::DatabaseCreateRequest::clear_tmpls ( )
```

7.157.3.8 **CopyFrom()**

```
void briar::DatabaseCreateRequest::CopyFrom (
    const DatabaseCreateRequest & from )
```

7.157.3.9 **database()**

```
const ::briar::BriarDatabase & briar::DatabaseCreateRequest::database ( ) const [inline]
```

7.157.3.10 default_instance()

```
static const DatabaseCreateRequest& briar::DatabaseCreateRequest::default_instance () [inline],  
[static]
```

7.157.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCreateRequest::descriptor ()  
[inline], [static]
```

7.157.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseCreateRequest::durations () const [inline]
```

7.157.3.13 GetCachedSize()

```
int briar::DatabaseCreateRequest::GetCachedSize () const [inline], [final]
```

7.157.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseCreateRequest::GetClassData  
( ) const [final]
```

7.157.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseCreateRequest::GetDescriptor  
( ) [inline], [static]
```

7.157.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseCreateRequest::GetMetadata () const [final]
```

7.157.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseCreateRequest::GetReflection()
() [inline], [static]
```

7.157.3.18 has_database()

```
bool briar::DatabaseCreateRequest::has_database () const [inline]
```

7.157.3.19 has_durations()

```
bool briar::DatabaseCreateRequest::has_durations () const [inline]
```

7.157.3.20 has_tmpls()

```
bool briar::DatabaseCreateRequest::has_tmpls () const [inline]
```

7.157.3.21 internal_default_instance()

```
static const DatabaseCreateRequest* briar::DatabaseCreateRequest::internal_default_instance (
) [inline], [static]
```

7.157.3.22 IsInitialized()

```
bool briar::DatabaseCreateRequest::IsInitialized () const [final]
```

7.157.3.23 MergeFrom()

```
void briar::DatabaseCreateRequest::MergeFrom (
const DatabaseCreateRequest & from )
```

7.157.3.24 mutable_database()

```
briar::BriarDatabase * briar::DatabaseCreateRequest::mutable_database ( ) [inline]
```

7.157.3.25 mutable_durations()

```
briar::BriarDurations * briar::DatabaseCreateRequest::mutable_durations ( ) [inline]
```

7.157.3.26 mutable_tmpls()

```
briar::TemplateList * briar::DatabaseCreateRequest::mutable_tmpls ( ) [inline]
```

7.157.3.27 New()

```
DatabaseCreateRequest* briar::DatabaseCreateRequest::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.157.3.28 operator=() [1/2]

```
DatabaseCreateRequest& briar::DatabaseCreateRequest::operator= (   
    const DatabaseCreateRequest & from ) [inline]
```

7.157.3.29 operator=() [2/2]

```
DatabaseCreateRequest& briar::DatabaseCreateRequest::operator= (   
    DatabaseCreateRequest && from ) [inline], [noexcept]
```

7.157.3.30 release_database()

```
briar::BriarDatabase * briar::DatabaseCreateRequest::release_database ( ) [inline]
```

7.157.3.31 `release_durations()`

```
briar::BriarDurations * briar::DatabaseCreateRequest::release_durations ( ) [inline]
```

7.157.3.32 `release_tmpls()`

```
briar::TemplateList * briar::DatabaseCreateRequest::release_tmpls ( ) [inline]
```

7.157.3.33 `set_allocated_database()`

```
void briar::DatabaseCreateRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.157.3.34 `set_allocated_durations()`

```
void briar::DatabaseCreateRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.157.3.35 `set_allocated_tmpls()`

```
void briar::DatabaseCreateRequest::set_allocated_tmpls (
    ::briar::TemplateList * tmpls ) [inline]
```

7.157.3.36 `Swap()`

```
void briar::DatabaseCreateRequest::Swap (
    DatabaseCreateRequest * other ) [inline]
```

7.157.3.37 `tmpls()`

```
const ::briar::TemplateList & briar::DatabaseCreateRequest::tmpls ( ) const [inline]
```

7.157.3.38 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseCreateRequest::unsafe_arena_release_database ( ) [inline]
```

7.157.3.39 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseCreateRequest::unsafe_arena_release_durations ( ) [inline]
```

7.157.3.40 unsafe_arena_release_tmpls()

```
briar::TemplateList * briar::DatabaseCreateRequest::unsafe_arena_release_tmpls ( ) [inline]
```

7.157.3.41 unsafe_arena_set_allocated_database()

```
void briar::DatabaseCreateRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.157.3.42 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseCreateRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.157.3.43 unsafe_arena_set_allocated_tmpls()

```
void briar::DatabaseCreateRequest::unsafe_arena_set_allocated_tmpls (
    ::briar::TemplateList * tmpls ) [inline]
```

7.157.3.44 UnsafeArenaSwap()

```
void briar::DatabaseCreateRequest::UnsafeArenaSwap (
    DatabaseCreateRequest * other ) [inline]
```

7.157.4 Friends And Related Function Documentation

7.157.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.157.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.157.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.157.4.4 swap

```
void swap (
    DatabaseCreateRequest & a,
    DatabaseCreateRequest & b ) [friend]
```

7.157.5 Member Data Documentation

7.157.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseCreateRequest::__class_data__
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseCreateRequest::MergeImpl
}
```

7.157.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseCreateRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

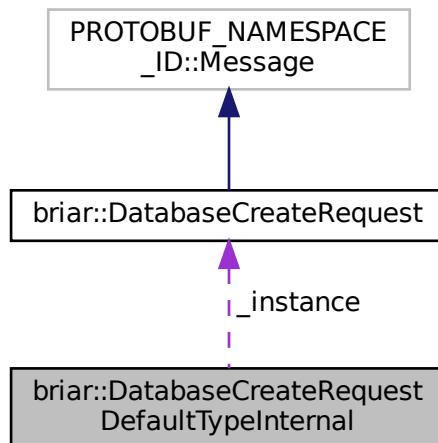
```
= 9
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.158 briar::DatabaseCreateRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseCreateRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseCreateRequestDefaultTypeInternal ()
- [~DatabaseCreateRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 DatabaseCreateRequest _instance
};

7.158.1 Constructor & Destructor Documentation

7.158.1.1 DatabaseCreateRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseCreateRequestDefaultTypeInternal::DatabaseCreateRequest←
DefaultTypeInternal ( ) [inline]
```

7.158.1.2 ~DatabaseCreateRequestDefaultTypeInternal()

```
briar::DatabaseCreateRequestDefaultTypeInternal::~DatabaseCreateRequestDefaultTypeInternal ( )
[inline]
```

7.158.2 Member Data Documentation

7.158.2.1

```
union { ... }
```

7.158.2.2 _instance

```
DatabaseCreateRequest briar::DatabaseCreateRequestDefaultTypeInternal::_instance
```

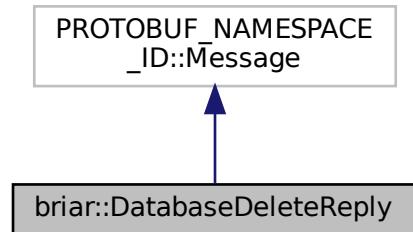
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

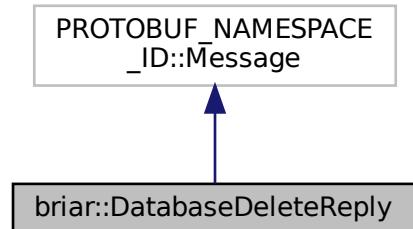
7.159 briar::DatabaseDeleteReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseDeleteReply:



Collaboration diagram for briar::DatabaseDeleteReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 3 , [kEntryCountFieldNumber](#) = 2 , [kExistsFieldNumber](#) = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_entry_count` ()
- void `clear_errors` ()
- void `clear_exists` ()
- void `CopyFrom` (const `DatabaseDeleteReply` &from)
- `DatabaseDeleteReply` ()
- PROTOBUF_CONSTEXPR `DatabaseDeleteReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseDeleteReply` (const `DatabaseDeleteReply` &from)
- `DatabaseDeleteReply` (`DatabaseDeleteReply` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- int64_t `entry_count` () const
- const ::briar::BriarErrors & `errors` () const
- bool `exists` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseDeleteReply` &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- `DatabaseDeleteReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseDeleteReply` & `operator=` (const `DatabaseDeleteReply` &from)
- `DatabaseDeleteReply` & `operator=` (`DatabaseDeleteReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_errors` (::briar::BriarErrors *errors)
- void `set_entry_count` (int64_t value)
- void `set_exists` (bool value)
- void `Swap` (`DatabaseDeleteReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *errors)
- void `UnsafeArenaSwap` (`DatabaseDeleteReply` *other)
- `~DatabaseDeleteReply` () override

Static Public Member Functions

- static const `DatabaseDeleteReply` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseDeleteReply` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseDeleteReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) ([DatabaseDeleteReply](#) &a, [DatabaseDeleteReply](#) &b)

7.159.1 Member Enumeration Documentation

7.159.1.1 anonymous enum

anonymous enum : int

Enumerator

kDurationsFieldNumber	
kErrorsFieldNumber	
kEntryCountFieldNumber	
kExistsFieldNumber	

7.159.2 Constructor & Destructor Documentation

7.159.2.1 DatabaseDeleteReply() [1/5]

briar::DatabaseDeleteReply::DatabaseDeleteReply () [inline]

7.159.2.2 ~DatabaseDeleteReply()

briar::DatabaseDeleteReply::~DatabaseDeleteReply () [override]

7.159.2.3 DatabaseDeleteReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseDeleteReply::DatabaseDeleteReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.159.2.4 DatabaseDeleteReply() [3/5]

```
briar::DatabaseDeleteReply::DatabaseDeleteReply (
    const DatabaseDeleteReply & from )
```

7.159.2.5 DatabaseDeleteReply() [4/5]

```
briar::DatabaseDeleteReply::DatabaseDeleteReply (
    DatabaseDeleteReply && from ) [inline], [noexcept]
```

7.159.2.6 DatabaseDeleteReply() [5/5]

```
briar::DatabaseDeleteReply::DatabaseDeleteReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.159.3 Member Function Documentation**7.159.3.1 _InternalParse()**

```
const char * briar::DatabaseDeleteReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.159.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseDeleteReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.159.3.3 ByteSizeLong()

```
size_t briar::DatabaseDeleteReply::ByteSizeLong ( ) const [final]
```

7.159.3.4 Clear()

```
void briar::DatabaseDeleteReply::Clear ( ) [final]
```

7.159.3.5 clear_durations()

```
void briar::DatabaseDeleteReply::clear_durations ( )
```

7.159.3.6 clear_entry_count()

```
void briar::DatabaseDeleteReply::clear_entry_count ( ) [inline]
```

7.159.3.7 clear_errors()

```
void briar::DatabaseDeleteReply::clear_errors ( )
```

7.159.3.8 clear_exists()

```
void briar::DatabaseDeleteReply::clear_exists ( ) [inline]
```

7.159.3.9 CopyFrom()

```
void briar::DatabaseDeleteReply::CopyFrom (
    const DatabaseDeleteReply & from )
```

7.159.3.10 default_instance()

```
static const DatabaseDeleteReply& briar::DatabaseDeleteReply::default_instance ( ) [inline],  
[static]
```

7.159.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseDeleteReply::descriptor ( )  
[inline], [static]
```

7.159.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseDeleteReply::durations ( ) const [inline]
```

7.159.3.13 entry_count()

```
int64_t briar::DatabaseDeleteReply::entry_count ( ) const [inline]
```

7.159.3.14 errors()

```
const ::briar::BriarErrors & briar::DatabaseDeleteReply::errors ( ) const [inline]
```

7.159.3.15 exists()

```
bool briar::DatabaseDeleteReply::exists ( ) const [inline]
```

7.159.3.16 GetCachedSize()

```
int briar::DatabaseDeleteReply::GetCachedSize ( ) const [inline], [final]
```

7.159.3.17 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseDeleteReply::GetClassData (
) const [final]
```

7.159.3.18 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseDeleteReply::GetDescriptor (
) [inline], [static]
```

7.159.3.19 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseDeleteReply::GetMetadata ( ) const [final]
```

7.159.3.20 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseDeleteReply::GetReflection (
) [inline], [static]
```

7.159.3.21 has_durations()

```
bool briar::DatabaseDeleteReply::has_durations ( ) const [inline]
```

7.159.3.22 has_errors()

```
bool briar::DatabaseDeleteReply::has_errors ( ) const [inline]
```

7.159.3.23 internal_default_instance()

```
static const DatabaseDeleteReply* briar::DatabaseDeleteReply::internal_default_instance ( )
[inline], [static]
```

7.159.3.24 IsInitialized()

```
bool briar::DatabaseDeleteReply::IsInitialized ( ) const [final]
```

7.159.3.25 MergeFrom()

```
void briar::DatabaseDeleteReply::MergeFrom (
    const DatabaseDeleteReply & from )
```

7.159.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseDeleteReply::mutable_durations ( ) [inline]
```

7.159.3.27 mutable_errors()

```
briar::BriarErrors * briar::DatabaseDeleteReply::mutable_errors ( ) [inline]
```

7.159.3.28 New()

```
DatabaseDeleteReply* briar::DatabaseDeleteReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.159.3.29 operator=() [1/2]

```
DatabaseDeleteReply& briar::DatabaseDeleteReply::operator= (
    const DatabaseDeleteReply & from ) [inline]
```

7.159.3.30 operator=() [2/2]

```
DatabaseDeleteReply& briar::DatabaseDeleteReply::operator= (
    DatabaseDeleteReply && from ) [inline], [noexcept]
```

7.159.3.31 release_durations()

```
briar::BriarDurations * briar::DatabaseDeleteReply::release_durations ( ) [inline]
```

7.159.3.32 release_errors()

```
briar::BriarErrors * briar::DatabaseDeleteReply::release_errors ( ) [inline]
```

7.159.3.33 set_allocated_durations()

```
void briar::DatabaseDeleteReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.159.3.34 set_allocated_errors()

```
void briar::DatabaseDeleteReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.159.3.35 set_entry_count()

```
void briar::DatabaseDeleteReply::set_entry_count (
    int64_t value ) [inline]
```

7.159.3.36 set_exists()

```
void briar::DatabaseDeleteReply::set_exists (
    bool value ) [inline]
```

7.159.3.37 Swap()

```
void briar::DatabaseDeleteReply::Swap (
    DatabaseDeleteReply * other ) [inline]
```

7.159.3.38 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseDeleteReply::unsafe_arena_release_durations ( ) [inline]
```

7.159.3.39 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseDeleteReply::unsafe_arena_release_errors ( ) [inline]
```

7.159.3.40 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseDeleteReply::unsafe_arena_set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.159.3.41 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseDeleteReply::unsafe_arena_set_allocated_errors (  
    ::briar::BriarErrors * errors ) [inline]
```

7.159.3.42 UnsafeArenaSwap()

```
void briar::DatabaseDeleteReply::UnsafeArenaSwap (  
    DatabaseDeleteReply * other ) [inline]
```

7.159.4 Friends And Related Function Documentation

7.159.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >  
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.159.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.159.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.159.4.4 swap

```
void swap (
    DatabaseDeleteReply & a,
    DatabaseDeleteReply & b ) [friend]
```

7.159.5 Member Data Documentation

7.159.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseDeleteReply::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseDeleteReply::MergeImpl
}
```

7.159.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseDeleteReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

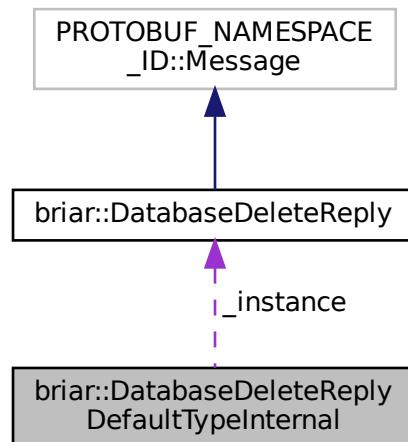
```
= 23
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.160 briar::DatabaseDeleteReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseDeleteReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseDeleteReplyDefaultTypeInternal ()
- `~DatabaseDeleteReplyDefaultTypeInternal ()`

Public Attributes

- union {
 `DatabaseDeleteReply _instance`
};

7.160.1 Constructor & Destructor Documentation

7.160.1.1 DatabaseDeleteReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseDeleteReplyDefaultTypeInternal::DatabaseDeleteReplyDefaultTypeInternal ( ) [inline]
```

7.160.1.2 ~DatabaseDeleteReplyDefaultTypeInternal()

```
briar::DatabaseDeleteReplyDefaultTypeInternal::~DatabaseDeleteReplyDefaultTypeInternal ( )  
[inline]
```

7.160.2 Member Data Documentation

7.160.2.1

```
union { ... }
```

7.160.2.2 _instance

```
DatabaseDeleteReply briar::DatabaseDeleteReplyDefaultTypeInternal::_instance
```

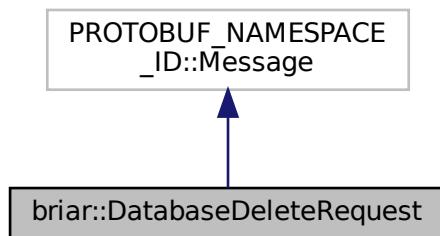
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

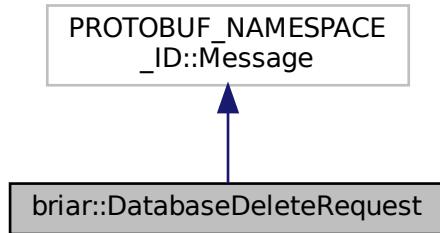
7.161 briar::DatabaseDeleteRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseDeleteRequest:



Collaboration diagram for briar::DatabaseDeleteRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_durations](#) ()
- void [CopyFrom](#) (const [DatabaseDeleteRequest](#) &from)
- const ::briar::BriarDatabase & [database](#) () const
- [DatabaseDeleteRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseDeleteRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized>)
- [DatabaseDeleteRequest](#) (const [DatabaseDeleteRequest](#) &from)
- [DatabaseDeleteRequest](#) ([DatabaseDeleteRequest](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_durations](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseDeleteRequest](#) &from)
- ::briar::BriarDatabase * [mutable_database](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()

- `DatabaseDeleteRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseDeleteRequest & operator= (const DatabaseDeleteRequest &from)`
- `DatabaseDeleteRequest & operator= (DatabaseDeleteRequest &&from) noexcept`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_database ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `void set_allocated_database (::briar::BriarDatabase *database)`
- `void set_allocated_durations (::briar::BriarDurations *durations)`
- `void Swap (DatabaseDeleteRequest *other)`
- `::briar::BriarDatabase * unsafe_arena_release_database ()`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `void unsafe_arena_set_allocated_database (::briar::BriarDatabase *database)`
- `void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- `void UnsafeArenaSwap (DatabaseDeleteRequest *other)`
- `~DatabaseDeleteRequest () override`

Static Public Member Functions

- `static const DatabaseDeleteRequest & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const DatabaseDeleteRequest * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `DatabaseDeleteRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
- `class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eprot`
- `void swap (DatabaseDeleteRequest &a, DatabaseDeleteRequest &b)`

7.161.1 Member Enumeration Documentation

7.161.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kDurationsFieldNumber	

7.161.2 Constructor & Destructor Documentation**7.161.2.1 DatabaseDeleteRequest() [1/5]**

```
briar::DatabaseDeleteRequest::DatabaseDeleteRequest ( ) [inline]
```

7.161.2.2 ~DatabaseDeleteRequest()

```
briar::DatabaseDeleteRequest::~DatabaseDeleteRequest ( ) [override]
```

7.161.2.3 DatabaseDeleteRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseDeleteRequest::DatabaseDeleteRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.161.2.4 DatabaseDeleteRequest() [3/5]

```
briar::DatabaseDeleteRequest::DatabaseDeleteRequest (
    const DatabaseDeleteRequest & from )
```

7.161.2.5 DatabaseDeleteRequest() [4/5]

```
briar::DatabaseDeleteRequest::DatabaseDeleteRequest (
    DatabaseDeleteRequest && from ) [inline], [noexcept]
```

7.161.2.6 DatabaseDeleteRequest() [5/5]

```
briar::DatabaseDeleteRequest::DatabaseDeleteRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.161.3 Member Function Documentation

7.161.3.1 _InternalParse()

```
const char * briar::DatabaseDeleteRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.161.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseDeleteRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.161.3.3 ByteSizeLong()

```
size_t briar::DatabaseDeleteRequest::ByteSizeLong ( ) const [final]
```

7.161.3.4 Clear()

```
void briar::DatabaseDeleteRequest::Clear ( ) [final]
```

7.161.3.5 clear_database()

```
void briar::DatabaseDeleteRequest::clear_database ( )
```

7.161.3.6 clear_durations()

```
void briar::DatabaseDeleteRequest::clear_durations ( )
```

7.161.3.7 CopyFrom()

```
void briar::DatabaseDeleteRequest::CopyFrom (
    const DatabaseDeleteRequest & from )
```

7.161.3.8 database()

```
const ::briar::BriarDatabase & briar::DatabaseDeleteRequest::database ( ) const [inline]
```

7.161.3.9 default_instance()

```
static const DatabaseDeleteRequest& briar::DatabaseDeleteRequest::default_instance ( ) [inline],
[static]
```

7.161.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseDeleteRequest::descriptor ( )
[inline], [static]
```

7.161.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseDeleteRequest::durations ( ) const [inline]
```

7.161.3.12 GetCachedSize()

```
int briar::DatabaseDeleteRequest::GetCachedSize ( ) const [inline], [final]
```

7.161.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseDeleteRequest::GetClassData()
( ) const [final]
```

7.161.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseDeleteRequest::GetDescriptor()
( ) [inline], [static]
```

7.161.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseDeleteRequest::GetMetadata ( ) const [final]
```

7.161.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseDeleteRequest::GetReflection()
( ) [inline], [static]
```

7.161.3.17 has_database()

```
bool briar::DatabaseDeleteRequest::has_database ( ) const [inline]
```

7.161.3.18 has_durations()

```
bool briar::DatabaseDeleteRequest::has_durations ( ) const [inline]
```

7.161.3.19 internal_default_instance()

```
static const DatabaseDeleteRequest* briar::DatabaseDeleteRequest::internal_default_instance (
) [inline], [static]
```

7.161.3.20 IsInitialized()

```
bool briar::DatabaseDeleteRequest::IsInitialized ( ) const [final]
```

7.161.3.21 MergeFrom()

```
void briar::DatabaseDeleteRequest::MergeFrom (
    const DatabaseDeleteRequest & from )
```

7.161.3.22 mutable_database()

```
briar::BriarDatabase * briar::DatabaseDeleteRequest::mutable_database ( ) [inline]
```

7.161.3.23 mutable_durations()

```
briar::BriarDurations * briar::DatabaseDeleteRequest::mutable_durations ( ) [inline]
```

7.161.3.24 New()

```
DatabaseDeleteRequest* briar::DatabaseDeleteRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.161.3.25 operator=() [1/2]

```
DatabaseDeleteRequest& briar::DatabaseDeleteRequest::operator= (
    const DatabaseDeleteRequest & from ) [inline]
```

7.161.3.26 operator=() [2/2]

```
DatabaseDeleteRequest& briar::DatabaseDeleteRequest::operator= (
    DatabaseDeleteRequest && from ) [inline], [noexcept]
```

7.161.3.27 release_database()

```
briar::BriarDatabase * briar::DatabaseDeleteRequest::release_database ( ) [inline]
```

7.161.3.28 release_durations()

```
briar::BriarDurations * briar::DatabaseDeleteRequest::release_durations ( ) [inline]
```

7.161.3.29 set_allocated_database()

```
void briar::DatabaseDeleteRequest::set_allocated_database (  
    ::briar::BriarDatabase * database ) [inline]
```

7.161.3.30 set_allocated_durations()

```
void briar::DatabaseDeleteRequest::set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.161.3.31 Swap()

```
void briar::DatabaseDeleteRequest::Swap (   
    DatabaseDeleteRequest * other ) [inline]
```

7.161.3.32 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseDeleteRequest::unsafe_arena_release_database ( ) [inline]
```

7.161.3.33 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseDeleteRequest::unsafe_arena_release_durations ( ) [inline]
```

7.161.3.34 unsafe_arena_set_allocated_database()

```
void briar::DatabaseDeleteRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.161.3.35 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseDeleteRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.161.3.36 UnsafeArenaSwap()

```
void briar::DatabaseDeleteRequest::UnsafeArenaSwap (
    DatabaseDeleteRequest * other ) [inline]
```

7.161.4 Friends And Related Function Documentation

7.161.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.161.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.161.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.161.4.4 swap

```
void swap (
    DatabaseDeleteRequest & a,
    DatabaseDeleteRequest & b ) [friend]
```

7.161.5 Member Data Documentation

7.161.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseDeleteRequest::_class_data_
[static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DatabaseDeleteRequest::MergeImpl  
}
```

7.161.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseDeleteRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

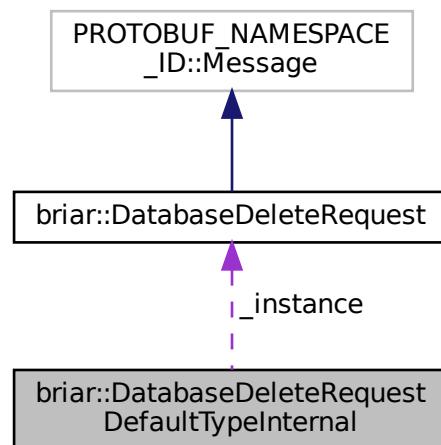
```
=  
    22
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.162 briar::DatabaseDeleteRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseDeleteRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseDeleteRequestDefaultTypeInternal ()
- ~DatabaseDeleteRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseDeleteRequest _instance
};

7.162.1 Constructor & Destructor Documentation

7.162.1.1 DatabaseDeleteRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseDeleteRequestDefaultTypeInternal::DatabaseDeleteRequestDefaultTypeInternal ( ) [inline]
```

7.162.1.2 ~DatabaseDeleteRequestDefaultTypeInternal()

```
briar::DatabaseDeleteRequestDefaultTypeInternal::~DatabaseDeleteRequestDefaultTypeInternal ( ) [inline]
```

7.162.2 Member Data Documentation

7.162.2.1

```
union { ... }
```

7.162.2.2 _instance

```
DatabaseDeleteRequest briar::DatabaseDeleteRequestDefaultTypeInternal::_instance
```

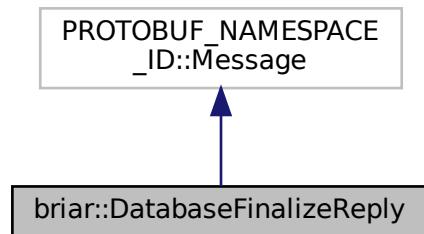
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

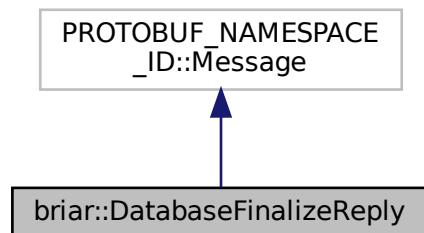
7.163 briar::DatabaseFinalizeReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseFinalizeReply:



Collaboration diagram for briar::DatabaseFinalizeReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 2 , [kExistsFieldNumber](#) = 3 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_exists` ()
- void `CopyFrom` (const `DatabaseFinalizeReply` &from)
- `DatabaseFinalizeReply` ()
- PROTOBUF_CONSTEXPR `DatabaseFinalizeReply` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized>)
- `DatabaseFinalizeReply` (const `DatabaseFinalizeReply` &from)
- `DatabaseFinalizeReply` (`DatabaseFinalizeReply` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- const ::briar::BriarErrors & `errors` () const
- bool `exists` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseFinalizeReply` &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- `DatabaseFinalizeReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseFinalizeReply` & `operator=` (const `DatabaseFinalizeReply` &from)
- `DatabaseFinalizeReply` & `operator=` (`DatabaseFinalizeReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `set_exists` (bool value)
- void `Swap` (`DatabaseFinalizeReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `UnsafeArenaSwap` (`DatabaseFinalizeReply` *other)
- `~DatabaseFinalizeReply` () override

Static Public Member Functions

- static const `DatabaseFinalizeReply` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseFinalizeReply` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseFinalizeReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) ([DatabaseFinalizeReply](#) &a, [DatabaseFinalizeReply](#) &b)

7.163.1 Member Enumeration Documentation

7.163.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDurationsFieldNumber	
kErrorsFieldNumber	
kExistsFieldNumber	

7.163.2 Constructor & Destructor Documentation

7.163.2.1 DatabaseFinalizeReply() [1/5]

```
briar::DatabaseFinalizeReply::DatabaseFinalizeReply ( ) [inline]
```

7.163.2.2 ~DatabaseFinalizeReply()

```
briar::DatabaseFinalizeReply::~DatabaseFinalizeReply ( ) [override]
```

7.163.2.3 DatabaseFinalizeReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseFinalizeReply::DatabaseFinalizeReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.163.2.4 DatabaseFinalizeReply() [3/5]

```
briar::DatabaseFinalizeReply::DatabaseFinalizeReply (
    const DatabaseFinalizeReply & from )
```

7.163.2.5 DatabaseFinalizeReply() [4/5]

```
briar::DatabaseFinalizeReply::DatabaseFinalizeReply (
    DatabaseFinalizeReply && from ) [inline], [noexcept]
```

7.163.2.6 DatabaseFinalizeReply() [5/5]

```
briar::DatabaseFinalizeReply::DatabaseFinalizeReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.163.3 Member Function Documentation

7.163.3.1 _InternalParse()

```
const char * briar::DatabaseFinalizeReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.163.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseFinalizeReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.163.3.3 ByteSizeLong()

```
size_t briar::DatabaseFinalizeReply::ByteSizeLong ( ) const [final]
```

7.163.3.4 Clear()

```
void briar::DatabaseFinalizeReply::Clear ( ) [final]
```

7.163.3.5 clear_durations()

```
void briar::DatabaseFinalizeReply::clear_durations ( )
```

7.163.3.6 clear_errors()

```
void briar::DatabaseFinalizeReply::clear_errors ( )
```

7.163.3.7 clear_exists()

```
void briar::DatabaseFinalizeReply::clear_exists ( ) [inline]
```

7.163.3.8 CopyFrom()

```
void briar::DatabaseFinalizeReply::CopyFrom (
    const DatabaseFinalizeReply & from )
```

7.163.3.9 default_instance()

```
static const DatabaseFinalizeReply& briar::DatabaseFinalizeReply::default_instance ( ) [inline],
[static]
```

7.163.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseFinalizeReply::descriptor( )  
[inline], [static]
```

7.163.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseFinalizeReply::durations( ) const [inline]
```

7.163.3.12 errors()

```
const ::briar::BriarErrors & briar::DatabaseFinalizeReply::errors( ) const [inline]
```

7.163.3.13 exists()

```
bool briar::DatabaseFinalizeReply::exists( ) const [inline]
```

7.163.3.14 GetCachedSize()

```
int briar::DatabaseFinalizeReply::GetCachedSize( ) const [inline], [final]
```

7.163.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseFinalizeReply::GetClassData  
( ) const [final]
```

7.163.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseFinalizeReply::GetDescriptor  
( ) [inline], [static]
```

7.163.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseFinalizeReply::GetMetadata ( ) const [final]
```

7.163.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseFinalizeReply::GetReflection  
( ) [inline], [static]
```

7.163.3.19 has_durations()

```
bool briar::DatabaseFinalizeReply::has_durations ( ) const [inline]
```

7.163.3.20 has_errors()

```
bool briar::DatabaseFinalizeReply::has_errors ( ) const [inline]
```

7.163.3.21 internal_default_instance()

```
static const DatabaseFinalizeReply* briar::DatabaseFinalizeReply::internal_default_instance ( )  
[inline], [static]
```

7.163.3.22 IsInitialized()

```
bool briar::DatabaseFinalizeReply::IsInitialized ( ) const [final]
```

7.163.3.23 MergeFrom()

```
void briar::DatabaseFinalizeReply::MergeFrom ( const DatabaseFinalizeReply & from )
```

7.163.3.24 mutable_durations()

```
briar::BriarDurations * briar::DatabaseFinalizeReply::mutable_durations ( ) [inline]
```

7.163.3.25 mutable_errors()

```
briar::BriarErrors * briar::DatabaseFinalizeReply::mutable_errors ( ) [inline]
```

7.163.3.26 New()

```
DatabaseFinalizeReply* briar::DatabaseFinalizeReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.163.3.27 operator=() [1/2]

```
DatabaseFinalizeReply& briar::DatabaseFinalizeReply::operator= (   
    const DatabaseFinalizeReply & from ) [inline]
```

7.163.3.28 operator=() [2/2]

```
DatabaseFinalizeReply& briar::DatabaseFinalizeReply::operator= (   
    DatabaseFinalizeReply && from ) [inline], [noexcept]
```

7.163.3.29 release_durations()

```
briar::BriarDurations * briar::DatabaseFinalizeReply::release_durations ( ) [inline]
```

7.163.3.30 release_errors()

```
briar::BriarErrors * briar::DatabaseFinalizeReply::release_errors ( ) [inline]
```

7.163.3.31 set_allocated_durations()

```
void briar::DatabaseFinalizeReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.163.3.32 set_allocated_errors()

```
void briar::DatabaseFinalizeReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.163.3.33 set_exists()

```
void briar::DatabaseFinalizeReply::set_exists (
    bool value ) [inline]
```

7.163.3.34 Swap()

```
void briar::DatabaseFinalizeReply::Swap (
    DatabaseFinalizeReply * other ) [inline]
```

7.163.3.35 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseFinalizeReply::unsafe_arena_release_durations ( ) [inline]
```

7.163.3.36 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseFinalizeReply::unsafe_arena_release_errors ( ) [inline]
```

7.163.3.37 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseFinalizeReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.163.3.38 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseFinalizeReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.163.3.39 UnsafeArenaSwap()

```
void briar::DatabaseFinalizeReply::UnsafeArenaSwap (
    DatabaseFinalizeReply * other ) [inline]
```

7.163.4 Friends And Related Function Documentation

7.163.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.163.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.163.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.163.4.4 swap

```
void swap (
    DatabaseFinalizeReply & a,
    DatabaseFinalizeReply & b ) [friend]
```

7.163.5 Member Data Documentation

7.163.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseFinalizeReply::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseFinalizeReply::MergeImpl
}
```

7.163.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseFinalizeReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

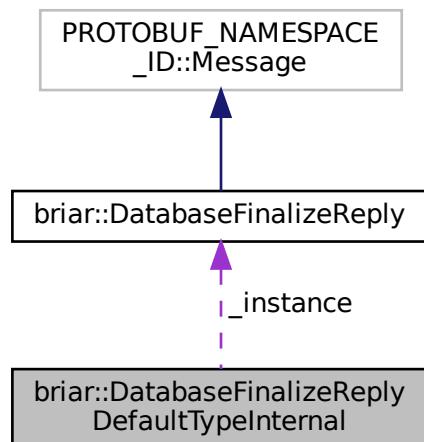
```
= 60
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.164 briar::DatabaseFinalizeReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseFinalizeReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseFinalizeReplyDefaultTypeInternal ()
- ~DatabaseFinalizeReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseFinalizeReply _instance
};

7.164.1 Constructor & Destructor Documentation

7.164.1.1 DatabaseFinalizeReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseFinalizeReplyDefaultTypeInternal::DatabaseFinalizeReplyDefaultTypeInternal ( ) [inline]
```

7.164.1.2 ~DatabaseFinalizeReplyDefaultTypeInternal()

```
briar::DatabaseFinalizeReplyDefaultTypeInternal::~DatabaseFinalizeReplyDefaultTypeInternal ( ) [inline]
```

7.164.2 Member Data Documentation

7.164.2.1

```
union { ... }
```

7.164.2.2 _instance

```
DatabaseFinalizeReply briar::DatabaseFinalizeReplyDefaultTypeInternal::_instance
```

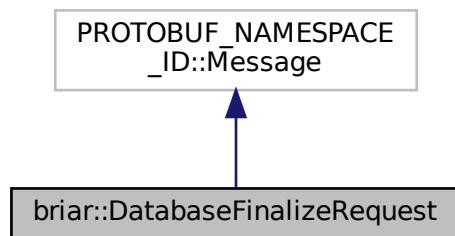
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

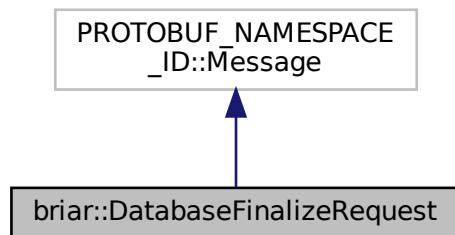
7.165 briar::DatabaseFinalizeRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseFinalizeRequest:



Collaboration diagram for briar::DatabaseFinalizeRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [CopyFrom](#) (const [DatabaseFinalizeRequest](#) &from)
- const ::briar::BriarDatabase & [database](#) () const
- [DatabaseFinalizeRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseFinalizeRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [DatabaseFinalizeRequest](#) (const [DatabaseFinalizeRequest](#) &from)
- [DatabaseFinalizeRequest](#) ([DatabaseFinalizeRequest](#) &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseFinalizeRequest](#) &from)
- ::briar::BriarDatabase * [mutable_database](#) ()
- [DatabaseFinalizeRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [DatabaseFinalizeRequest](#) & [operator=](#) (const [DatabaseFinalizeRequest](#) &from)
- [DatabaseFinalizeRequest](#) & [operator=](#) ([DatabaseFinalizeRequest](#) &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * [release_database](#) ()
- void [set_allocated_database](#) (::briar::BriarDatabase *database)
- void [Swap](#) ([DatabaseFinalizeRequest](#) *other)
- ::briar::BriarDatabase * [unsafe_arena_release_database](#) ()
- void [unsafe_arena_set_allocated_database](#) (::briar::BriarDatabase *database)
- void [UnsafeArenaSwap](#) ([DatabaseFinalizeRequest](#) *other)
- [~DatabaseFinalizeRequest](#) () override

Static Public Member Functions

- static const [DatabaseFinalizeRequest](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [DatabaseFinalizeRequest](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseFinalizeRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) (DatabaseFinalizeRequest &a, DatabaseFinalizeRequest &b)

7.165.1 Member Enumeration Documentation

7.165.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	<input type="button" value=""/>
----------------------	---------------------------------

7.165.2 Constructor & Destructor Documentation

7.165.2.1 DatabaseFinalizeRequest() [1/5]

```
briar::DatabaseFinalizeRequest::DatabaseFinalizeRequest ( ) [inline]
```

7.165.2.2 ~DatabaseFinalizeRequest()

```
briar::DatabaseFinalizeRequest::~DatabaseFinalizeRequest ( ) [override]
```

7.165.2.3 DatabaseFinalizeRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseFinalizeRequest::DatabaseFinalizeRequest ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.165.2.4 DatabaseFinalizeRequest() [3/5]

```
briar::DatabaseFinalizeRequest::DatabaseFinalizeRequest (
    const DatabaseFinalizeRequest & from )
```

7.165.2.5 DatabaseFinalizeRequest() [4/5]

```
briar::DatabaseFinalizeRequest::DatabaseFinalizeRequest (
    DatabaseFinalizeRequest && from ) [inline], [noexcept]
```

7.165.2.6 DatabaseFinalizeRequest() [5/5]

```
briar::DatabaseFinalizeRequest::DatabaseFinalizeRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.165.3 Member Function Documentation

7.165.3.1 _InternalParse()

```
const char * briar::DatabaseFinalizeRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.165.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseFinalizeRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.165.3.3 ByteSizeLong()

```
size_t briar::DatabaseFinalizeRequest::ByteSizeLong ( ) const [final]
```

7.165.3.4 Clear()

```
void briar::DatabaseFinalizeRequest::Clear ( ) [final]
```

7.165.3.5 clear_database()

```
void briar::DatabaseFinalizeRequest::clear_database ( )
```

7.165.3.6 CopyFrom()

```
void briar::DatabaseFinalizeRequest::CopyFrom (
    const DatabaseFinalizeRequest & from )
```

7.165.3.7 database()

```
const ::briar::BriarDatabase & briar::DatabaseFinalizeRequest::database ( ) const [inline]
```

7.165.3.8 default_instance()

```
static const DatabaseFinalizeRequest& briar::DatabaseFinalizeRequest::default_instance ( )
[inline], [static]
```

7.165.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseFinalizeRequest::descriptor ( )
[inline], [static]
```

7.165.3.10 GetCachedSize()

```
int briar::DatabaseFinalizeRequest::GetCachedSize ( ) const [inline], [final]
```

7.165.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseFinalizeRequest::GetClassData ( ) const [final]
```

7.165.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseFinalizeRequest::GetDescriptor ( ) [inline], [static]
```

7.165.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseFinalizeRequest::GetMetadata ( ) const [final]
```

7.165.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseFinalizeRequest::GetReflection ( ) [inline], [static]
```

7.165.3.15 has_database()

```
bool briar::DatabaseFinalizeRequest::has_database ( ) const [inline]
```

7.165.3.16 internal_default_instance()

```
static const DatabaseFinalizeRequest* briar::DatabaseFinalizeRequest::internal_default_instance ( ) [inline], [static]
```

7.165.3.17 IsInitialized()

```
bool briar::DatabaseFinalizeRequest::IsInitialized ( ) const [final]
```

7.165.3.18 MergeFrom()

```
void briar::DatabaseFinalizeRequest::MergeFrom (
    const DatabaseFinalizeRequest & from )
```

7.165.3.19 mutable_database()

```
briar::BriarDatabase * briar::DatabaseFinalizeRequest::mutable_database ( ) [inline]
```

7.165.3.20 New()

```
DatabaseFinalizeRequest* briar::DatabaseFinalizeRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.165.3.21 operator=() [1/2]

```
DatabaseFinalizeRequest& briar::DatabaseFinalizeRequest::operator= (
    const DatabaseFinalizeRequest & from ) [inline]
```

7.165.3.22 operator=() [2/2]

```
DatabaseFinalizeRequest& briar::DatabaseFinalizeRequest::operator= (
    DatabaseFinalizeRequest && from ) [inline], [noexcept]
```

7.165.3.23 release_database()

```
briar::BriarDatabase * briar::DatabaseFinalizeRequest::release_database ( ) [inline]
```

7.165.3.24 set_allocated_database()

```
void briar::DatabaseFinalizeRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.165.3.25 Swap()

```
void briar::DatabaseFinalizeRequest::Swap (
    DatabaseFinalizeRequest * other ) [inline]
```

7.165.3.26 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseFinalizeRequest::unsafe_arena_release_database ( ) [inline]
```

7.165.3.27 unsafe_arena_set_allocated_database()

```
void briar::DatabaseFinalizeRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.165.3.28 UnsafeArenaSwap()

```
void briar::DatabaseFinalizeRequest::UnsafeArenaSwap (
    DatabaseFinalizeRequest * other ) [inline]
```

7.165.4 Friends And Related Function Documentation

7.165.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.165.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.165.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.165.4.4 swap

```
void swap (
    DatabaseFinalizeRequest & a,
    DatabaseFinalizeRequest & b ) [friend]
```

7.165.5 Member Data Documentation

7.165.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseFinalizeRequest::_class_<-
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseFinalizeRequest::MergeImpl
}
```

7.165.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseFinalizeRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

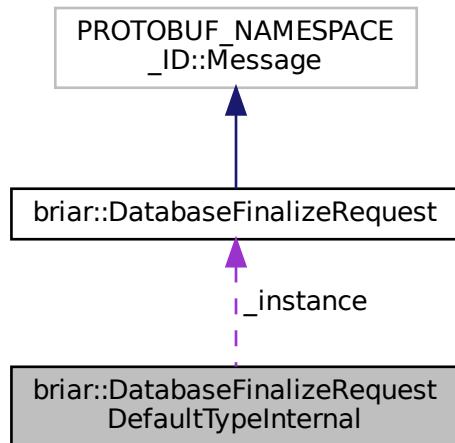
```
= 59
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.166 briar::DatabaseFinalizeRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseFinalizeRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseFinalizeRequestDefaultTypeInternal ()
- [~DatabaseFinalizeRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [DatabaseFinalizeRequest _instance](#)
};

7.166.1 Constructor & Destructor Documentation

7.166.1.1 DatabaseFinalizeRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseFinalizeRequestDefaultTypeInternal::DatabaseFinalizeRequestDefaultTypeInternal ( ) [inline]
```

7.166.1.2 ~DatabaseFinalizeRequestDefaultTypeInternal()

```
briar::DatabaseFinalizeRequestDefaultTypeInternal::~DatabaseFinalizeRequestDefaultTypeInternal  
() [inline]
```

7.166.2 Member Data Documentation

7.166.2.1

```
union { ... }
```

7.166.2.2 _instance

```
DatabaseFinalizeRequest briar::DatabaseFinalizeRequestDefaultTypeInternal::_instance
```

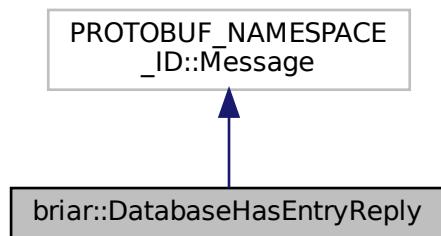
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

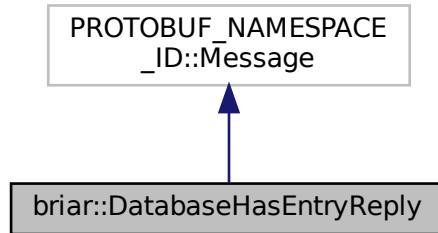
7.167 briar::DatabaseHasEntryReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseHasEntryReply:



Collaboration diagram for briar::DatabaseHasEntryReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kProgressFieldNumber](#) = 3 , [kExistsFieldNumber](#) = 1 , [kIsCompleteFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_exists](#) ()
- void [clear_is_complete](#) ()
- void [clear_progress](#) ()
- void [CopyFrom](#) (const [DatabaseHasEntryReply](#) &from)
- [DatabaseHasEntryReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseHasEntryReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized)
- [DatabaseHasEntryReply](#) (const [DatabaseHasEntryReply](#) &from)
- [DatabaseHasEntryReply](#) ([DatabaseHasEntryReply](#) &&from) noexcept
- bool [exists](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_progress](#) () const
- bool [is_complete](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseHasEntryReply](#) &from)
- ::[briar::BriarProgress](#) * [mutable_progress](#) ()
- [DatabaseHasEntryReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final

- `DatabaseHasEntryReply & operator= (const DatabaseHasEntryReply &from)`
- `DatabaseHasEntryReply & operator= (DatabaseHasEntryReply &&from) noexcept`
- `const ::briar::BriarProgress & progress () const`
- `PROTOBUF_NODISCARD ::briar::BriarProgress * release_progress ()`
- `void set_allocated_progress (::briar::BriarProgress *progress)`
- `void set_exists (bool value)`
- `void set_is_complete (bool value)`
- `void Swap (DatabaseHasEntryReply *other)`
- `::briar::BriarProgress * unsafe_arena_release_progress ()`
- `void unsafe_arena_set_allocated_progress (::briar::BriarProgress *progress)`
- `void UnsafeArenaSwap (DatabaseHasEntryReply *other)`
- `~DatabaseHasEntryReply () override`

Static Public Member Functions

- `static const DatabaseHasEntryReply & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const DatabaseHasEntryReply * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `DatabaseHasEntryReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
- `class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto`
- `void swap (DatabaseHasEntryReply &a, DatabaseHasEntryReply &b)`

7.167.1 Member Enumeration Documentation

7.167.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kProgressFieldNumber	
kExistsFieldNumber	
kIsCompleteFieldNumber	

7.167.2 Constructor & Destructor Documentation**7.167.2.1 DatabaseHasEntryReply() [1/5]**

```
briar::DatabaseHasEntryReply::DatabaseHasEntryReply ( ) [inline]
```

7.167.2.2 ~DatabaseHasEntryReply()

```
briar::DatabaseHasEntryReply::~DatabaseHasEntryReply ( ) [override]
```

7.167.2.3 DatabaseHasEntryReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseHasEntryReply::DatabaseHasEntryReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.167.2.4 DatabaseHasEntryReply() [3/5]

```
briar::DatabaseHasEntryReply::DatabaseHasEntryReply (
    const DatabaseHasEntryReply & from )
```

7.167.2.5 DatabaseHasEntryReply() [4/5]

```
briar::DatabaseHasEntryReply::DatabaseHasEntryReply (
    DatabaseHasEntryReply && from ) [inline], [noexcept]
```

7.167.2.6 DatabaseHasEntryReply() [5/5]

```
briar::DatabaseHasEntryReply::DatabaseHasEntryReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.167.3 Member Function Documentation

7.167.3.1 _InternalParse()

```
const char * briar::DatabaseHasEntryReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.167.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseHasEntryReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.167.3.3 ByteSizeLong()

```
size_t briar::DatabaseHasEntryReply::ByteSizeLong ( ) const [final]
```

7.167.3.4 Clear()

```
void briar::DatabaseHasEntryReply::Clear ( ) [final]
```

7.167.3.5 clear_exists()

```
void briar::DatabaseHasEntryReply::clear_exists ( ) [inline]
```

7.167.3.6 clear_is_complete()

```
void briar::DatabaseHasEntryReply::clear_is_complete ( ) [inline]
```

7.167.3.7 clear_progress()

```
void briar::DatabaseHasEntryReply::clear_progress ( )
```

7.167.3.8 CopyFrom()

```
void briar::DatabaseHasEntryReply::CopyFrom (
    const DatabaseHasEntryReply & from )
```

7.167.3.9 default_instance()

```
static const DatabaseHasEntryReply& briar::DatabaseHasEntryReply::default_instance ( ) [inline],
[static]
```

7.167.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseHasEntryReply::descriptor ( )
[inline], [static]
```

7.167.3.11 exists()

```
bool briar::DatabaseHasEntryReply::exists ( ) const [inline]
```

7.167.3.12 GetCachedSize()

```
int briar::DatabaseHasEntryReply::GetCachedSize ( ) const [inline], [final]
```

7.167.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseHasEntryReply::GetClassData()
( ) const [final]
```

7.167.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseHasEntryReply::GetDescriptor()
( ) [inline], [static]
```

7.167.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseHasEntryReply::GetMetadata ( ) const [final]
```

7.167.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseHasEntryReply::GetReflection()
( ) [inline], [static]
```

7.167.3.17 has_progress()

```
bool briar::DatabaseHasEntryReply::has_progress ( ) const [inline]
```

7.167.3.18 internal_default_instance()

```
static const DatabaseHasEntryReply* briar::DatabaseHasEntryReply::internal_default_instance (
) [inline], [static]
```

7.167.3.19 is_complete()

```
bool briar::DatabaseHasEntryReply::is_complete ( ) const [inline]
```

7.167.3.20 IsInitialized()

```
bool briar::DatabaseHasEntryReply::IsInitialized ( ) const [final]
```

7.167.3.21 MergeFrom()

```
void briar::DatabaseHasEntryReply::MergeFrom (
    const DatabaseHasEntryReply & from )
```

7.167.3.22 mutable_progress()

```
briar::BriarProgress * briar::DatabaseHasEntryReply::mutable_progress ( ) [inline]
```

7.167.3.23 New()

```
DatabaseHasEntryReply* briar::DatabaseHasEntryReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.167.3.24 operator=() [1/2]

```
DatabaseHasEntryReply& briar::DatabaseHasEntryReply::operator= (
    const DatabaseHasEntryReply & from ) [inline]
```

7.167.3.25 operator=() [2/2]

```
DatabaseHasEntryReply& briar::DatabaseHasEntryReply::operator= (
    DatabaseHasEntryReply && from ) [inline], [noexcept]
```

7.167.3.26 progress()

```
const ::briar::BriarProgress & briar::DatabaseHasEntryReply::progress ( ) const [inline]
```

7.167.3.27 release_progress()

```
briar::BriarProgress * briar::DatabaseHasEntryReply::release_progress ( ) [inline]
```

7.167.3.28 set_allocated_progress()

```
void briar::DatabaseHasEntryReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.167.3.29 set_exists()

```
void briar::DatabaseHasEntryReply::set_exists (
    bool value ) [inline]
```

7.167.3.30 set_is_complete()

```
void briar::DatabaseHasEntryReply::set_is_complete (
    bool value ) [inline]
```

7.167.3.31 Swap()

```
void briar::DatabaseHasEntryReply::Swap (
    DatabaseHasEntryReply * other ) [inline]
```

7.167.3.32 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::DatabaseHasEntryReply::unsafe_arena_release_progress ( ) [inline]
```

7.167.3.33 unsafe_arena_set_allocated_progress()

```
void briar::DatabaseHasEntryReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.167.3.34 UnsafeArenaSwap()

```
void briar::DatabaseHasEntryReply::UnsafeArenaSwap (
    DatabaseHasEntryReply * other ) [inline]
```

7.167.4 Friends And Related Function Documentation

7.167.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.167.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.167.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.167.4.4 swap

```
void swap (
    DatabaseHasEntryReply & a,
    DatabaseHasEntryReply & b ) [friend]
```

7.167.5 Member Data Documentation

7.167.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseHasEntryReply::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseHasEntryReply::MergeImpl
}
```

7.167.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseHasEntryReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

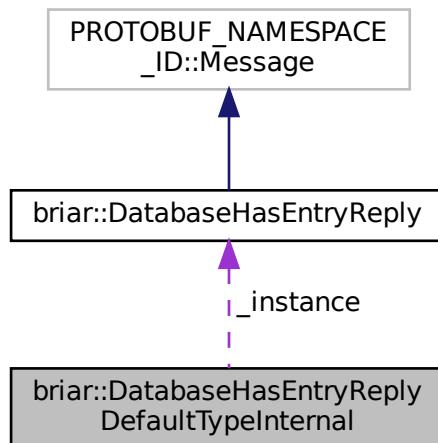
```
= 53
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.168 briar::DatabaseHasEntryReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseHasEntryReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseHasEntryReplyDefaultTypeInternal ()
- [~DatabaseHasEntryReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 DatabaseHasEntryReply _instance
 };

7.168.1 Constructor & Destructor Documentation

7.168.1.1 DatabaseHasEntryReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseHasEntryReplyDefaultTypeInternal::DatabaseHasEntryReply<-
DefaultTypeInternal ( ) [inline]
```

7.168.1.2 ~DatabaseHasEntryReplyDefaultTypeInternal()

```
briar::DatabaseHasEntryReplyDefaultTypeInternal::~DatabaseHasEntryReplyDefaultTypeInternal ( )
[inline]
```

7.168.2 Member Data Documentation

7.168.2.1

```
union { ... }
```

7.168.2.2 _instance

[DatabaseHasEntryReply](#) briar::DatabaseHasEntryReplyDefaultTypeInternal::_instance

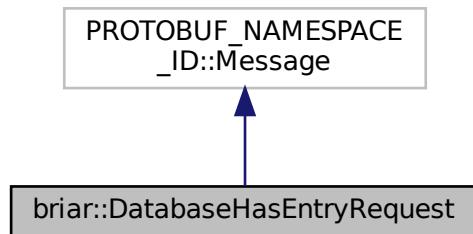
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

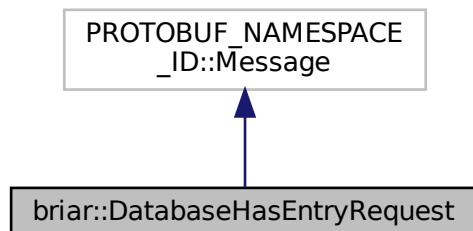
7.169 briar::DatabaseHasEntryRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseHasEntryRequest:



Collaboration diagram for briar::DatabaseHasEntryRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kEntryIdFieldNumber](#) = 3 , [kDatabaseFieldNumber](#) = 1 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_entry_id` ()
- void `CopyFrom` (const `DatabaseHasEntryRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- `DatabaseHasEntryRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseHasEntryRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseHasEntryRequest` (const `DatabaseHasEntryRequest` &from)
- `DatabaseHasEntryRequest` (`DatabaseHasEntryRequest` &&from) noexcept
- const std::string & `entry_id` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseHasEntryRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- std::string * `mutable_entry_id` ()
- `DatabaseHasEntryRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseHasEntryRequest` & `operator=` (const `DatabaseHasEntryRequest` &from)
- `DatabaseHasEntryRequest` & `operator=` (`DatabaseHasEntryRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD std::string * `release_entry_id` ()
- void `set_allocated_database` (::briar::BriarDatabase *`database`)
- void `set_allocated_entry_id` (std::string *`entry_id`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_entry_id` (ArgT0 &&arg0, ArgT... args)
- void `Swap` (`DatabaseHasEntryRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *`database`)
- void `UnsafeArenaSwap` (`DatabaseHasEntryRequest` *other)
- `~DatabaseHasEntryRequest` () override

Static Public Member Functions

- static const `DatabaseHasEntryRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseHasEntryRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseHasEntryRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)`

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void `swap (DatabaseHasEntryRequest &a, DatabaseHasEntryRequest &b)`

7.169.1 Member Enumeration Documentation

7.169.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kEntryIdFieldNumber	
kDatabaseFieldNumber	

7.169.2 Constructor & Destructor Documentation

7.169.2.1 DatabaseHasEntryRequest() [1/5]

```
briar::DatabaseHasEntryRequest::DatabaseHasEntryRequest ( ) [inline]
```

7.169.2.2 ~DatabaseHasEntryRequest()

```
briar::DatabaseHasEntryRequest::~DatabaseHasEntryRequest ( ) [override]
```

7.169.2.3 DatabaseHasEntryRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseHasEntryRequest::DatabaseHasEntryRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.169.2.4 DatabaseHasEntryRequest() [3/5]

```
briar::DatabaseHasEntryRequest::DatabaseHasEntryRequest (
    const DatabaseHasEntryRequest & from )
```

7.169.2.5 DatabaseHasEntryRequest() [4/5]

```
briar::DatabaseHasEntryRequest::DatabaseHasEntryRequest (
    DatabaseHasEntryRequest && from ) [inline], [noexcept]
```

7.169.2.6 DatabaseHasEntryRequest() [5/5]

```
briar::DatabaseHasEntryRequest::DatabaseHasEntryRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.169.3 Member Function Documentation

7.169.3.1 _InternalParse()

```
const char * briar::DatabaseHasEntryRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.169.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseHasEntryRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.169.3.3 ByteSizeLong()

```
size_t briar::DatabaseHasEntryRequest::ByteSizeLong ( ) const [final]
```

7.169.3.4 Clear()

```
void briar::DatabaseHasEntryRequest::Clear ( ) [final]
```

7.169.3.5 clear_database()

```
void briar::DatabaseHasEntryRequest::clear_database ( )
```

7.169.3.6 clear_entry_id()

```
void briar::DatabaseHasEntryRequest::clear_entry_id ( ) [inline]
```

7.169.3.7 CopyFrom()

```
void briar::DatabaseHasEntryRequest::CopyFrom (const DatabaseHasEntryRequest & from)
```

7.169.3.8 database()

```
const ::briar::BriarDatabase & briar::DatabaseHasEntryRequest::database ( ) const [inline]
```

7.169.3.9 default_instance()

```
static const DatabaseHasEntryRequest& briar::DatabaseHasEntryRequest::default_instance ( )[inline], [static]
```

7.169.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseHasEntryRequest::descriptor ( ) [inline], [static]
```

7.169.3.11 entry_id()

```
const std::string & briar::DatabaseHasEntryRequest::entry_id ( ) const [inline]
```

7.169.3.12 GetCachedSize()

```
int briar::DatabaseHasEntryRequest::GetCachedSize ( ) const [inline], [final]
```

7.169.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseHasEntryRequest::GetClassData ( ) const [final]
```

7.169.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseHasEntryRequest::GetDescriptor ( ) [inline], [static]
```

7.169.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseHasEntryRequest::GetMetadata ( ) const [final]
```

7.169.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseHasEntryRequest::GetReflection ( ) [inline], [static]
```

7.169.3.17 has_database()

```
bool briar::DatabaseHasEntryRequest::has_database ( ) const [inline]
```

7.169.3.18 internal_default_instance()

```
static const DatabaseHasEntryRequest* briar::DatabaseHasEntryRequest::internal_default_instance ( ) [inline], [static]
```

7.169.3.19 IsInitialized()

```
bool briar::DatabaseHasEntryRequest::IsInitialized ( ) const [final]
```

7.169.3.20 MergeFrom()

```
void briar::DatabaseHasEntryRequest::MergeFrom (
    const DatabaseHasEntryRequest & from )
```

7.169.3.21 mutable_database()

```
briar::BriarDatabase * briar::DatabaseHasEntryRequest::mutable_database ( ) [inline]
```

7.169.3.22 mutable_entry_id()

```
std::string * briar::DatabaseHasEntryRequest::mutable_entry_id ( ) [inline]
```

7.169.3.23 New()

```
DatabaseHasEntryRequest* briar::DatabaseHasEntryRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.169.3.24 operator=() [1/2]

```
DatabaseHasEntryRequest& briar::DatabaseHasEntryRequest::operator= (
    const DatabaseHasEntryRequest & from ) [inline]
```

7.169.3.25 operator=() [2/2]

```
DatabaseHasEntryRequest& briar::DatabaseHasEntryRequest::operator= (
    DatabaseHasEntryRequest && from ) [inline], [noexcept]
```

7.169.3.26 release_database()

```
briar::BriarDatabase * briar::DatabaseHasEntryRequest::release_database ( ) [inline]
```

7.169.3.27 release_entry_id()

```
std::string * briar::DatabaseHasEntryRequest::release_entry_id ( ) [inline]
```

7.169.3.28 set_allocated_database()

```
void briar::DatabaseHasEntryRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.169.3.29 set_allocated_entry_id()

```
void briar::DatabaseHasEntryRequest::set_allocated_entry_id (
    std::string * entry_id ) [inline]
```

7.169.3.30 set_entry_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseHasEntryRequest::set_entry_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.169.3.31 set_entry_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseHasEntryRequest::set_entry_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.169.3.32 Swap()

```
void briar::DatabaseHasEntryRequest::Swap (
    DatabaseHasEntryRequest * other ) [inline]
```

7.169.3.33 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseHasEntryRequest::unsafe_arena_release_database ( ) [inline]
```

7.169.3.34 unsafe_arena_set_allocated_database()

```
void briar::DatabaseHasEntryRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.169.3.35 UnsafeArenaSwap()

```
void briar::DatabaseHasEntryRequest::UnsafeArenaSwap (
    DatabaseHasEntryRequest * other ) [inline]
```

7.169.4 Friends And Related Function Documentation**7.169.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.169.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.169.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot [friend]
```

7.169.4.4 swap

```
void swap (
    DatabaseHasEntryRequest & a,
    DatabaseHasEntryRequest & b ) [friend]
```

7.169.5 Member Data Documentation

7.169.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseHasEntryRequest::_class_<-
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseHasEntryRequest::MergeImpl
}
```

7.169.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseHasEntryRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

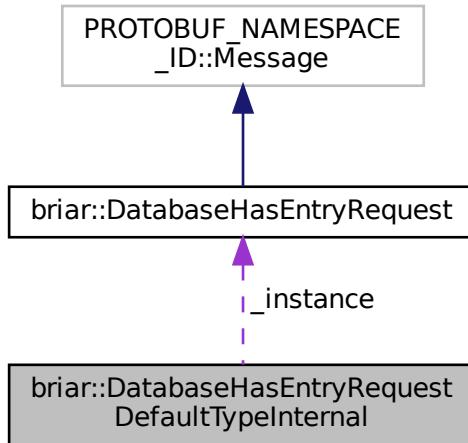
```
= 51
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.170 briar::DatabaseHasEntryRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseHasEntryRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseHasEntryRequestDefaultTypeInternal ()
- ~DatabaseHasEntryRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseHasEntryRequest _instance
};

7.170.1 Constructor & Destructor Documentation

7.170.1.1 DatabaseHasEntryRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseHasEntryRequestDefaultTypeInternal::DatabaseHasEntryRequestDefaultTypeInternal ( ) [inline]
```

7.170.1.2 ~DatabaseHasEntryRequestDefaultTypeInternal()

```
briar::DatabaseHasEntryRequestDefaultTypeInternal::~DatabaseHasEntryRequestDefaultTypeInternal  
() [inline]
```

7.170.2 Member Data Documentation

7.170.2.1

```
union { ... }
```

7.170.2.2 _instance

```
DatabaseHasEntryRequest briar::DatabaseHasEntryRequestDefaultTypeInternal::_instance
```

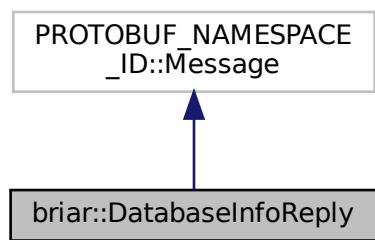
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

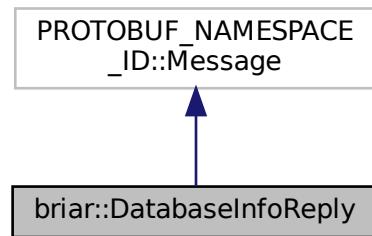
7.171 briar::DatabaseInfoReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseInfoReply:



Collaboration diagram for briar::DatabaseInfoReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kInfoFieldNumber](#) = 1 , [kDurationFieldNumber](#) = 2 , [kExistsFieldNumber](#) = 3 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_duration](#) ()
- void [clear_exists](#) ()
- void [clear_info](#) ()
- void [CopyFrom](#) (const [DatabaseInfoReply](#) &from)
- [DatabaseInfoReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseInfoReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<->Initialized)
- [DatabaseInfoReply](#) (const [DatabaseInfoReply](#) &from)
- [DatabaseInfoReply](#) ([DatabaseInfoReply](#) &&from) noexcept
- const ::briar::BriarDurations & [duration](#) () const
- bool [exists](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_duration](#) () const
- bool [has_info](#) () const
- const ::briar::BriarDatabaseInfo & [info](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseInfoReply](#) &from)

- ::briar::BriarDurations * `mutable_duration` ()
- ::briar::BriarDatabaseInfo * `mutable_info` ()
- `DatabaseInfoReply * New` (:PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseInfoReply & operator=` (const `DatabaseInfoReply` &from)
- `DatabaseInfoReply & operator=` (`DatabaseInfoReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_duration` ()
- PROTOBUF_NODISCARD ::briar::BriarDatabaseInfo * `release_info` ()
- void `set_allocated_duration` (::briar::BriarDurations *duration)
- void `set_allocated_info` (::briar::BriarDatabaseInfo *info)
- void `set_exists` (bool value)
- void `Swap` (`DatabaseInfoReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_duration` ()
- ::briar::BriarDatabaseInfo * `unsafe_arena_release_info` ()
- void `unsafe_arena_set_allocated_duration` (::briar::BriarDurations *duration)
- void `unsafe_arena_set_allocated_info` (::briar::BriarDatabaseInfo *info)
- void `UnsafeArenaSwap` (`DatabaseInfoReply` *other)
- `~DatabaseInfoReply` () override

Static Public Member Functions

- static const `DatabaseInfoReply & default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseInfoReply * internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseInfoReply` (:PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void `swap` (`DatabaseInfoReply` &a, `DatabaseInfoReply` &b)

7.171.1 Member Enumeration Documentation

7.171.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kInfoFieldNumber	
kDurationFieldNumber	
kExistsFieldNumber	

7.171.2 Constructor & Destructor Documentation**7.171.2.1 DatabaseInfoReply() [1/5]**

```
briar::DatabaseInfoReply::DatabaseInfoReply ( ) [inline]
```

7.171.2.2 ~DatabaseInfoReply()

```
briar::DatabaseInfoReply::~DatabaseInfoReply ( ) [override]
```

7.171.2.3 DatabaseInfoReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseInfoReply::DatabaseInfoReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.171.2.4 DatabaseInfoReply() [3/5]

```
briar::DatabaseInfoReply::DatabaseInfoReply (
    const DatabaseInfoReply & from )
```

7.171.2.5 DatabaseInfoReply() [4/5]

```
briar::DatabaseInfoReply::DatabaseInfoReply (
    DatabaseInfoReply && from ) [inline], [noexcept]
```

7.171.2.6 DatabaseInfoReply() [5/5]

```
briar::DatabaseInfoReply::DatabaseInfoReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.171.3 Member Function Documentation

7.171.3.1 _InternalParse()

```
const char * briar::DatabaseInfoReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.171.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseInfoReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.171.3.3 ByteSizeLong()

```
size_t briar::DatabaseInfoReply::ByteSizeLong () const [final]
```

7.171.3.4 Clear()

```
void briar::DatabaseInfoReply::Clear () [final]
```

7.171.3.5 clear_duration()

```
void briar::DatabaseInfoReply::clear_duration ()
```

7.171.3.6 clear_exists()

```
void briar::DatabaseInfoReply::clear_exists ( ) [inline]
```

7.171.3.7 clear_info()

```
void briar::DatabaseInfoReply::clear_info ( )
```

7.171.3.8 CopyFrom()

```
void briar::DatabaseInfoReply::CopyFrom (
    const DatabaseInfoReply & from )
```

7.171.3.9 default_instance()

```
static const DatabaseInfoReply& briar::DatabaseInfoReply::default_instance ( ) [inline],
[static]
```

7.171.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInfoReply::descriptor ( )
[inline], [static]
```

7.171.3.11 duration()

```
const ::briar::BriarDurations & briar::DatabaseInfoReply::duration ( ) const [inline]
```

7.171.3.12 exists()

```
bool briar::DatabaseInfoReply::exists ( ) const [inline]
```

7.171.3.13 GetCachedSize()

```
int briar::DatabaseInfoReply::GetCachedSize ( ) const [inline], [final]
```

7.171.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseInfoReply::GetClassData ( ) const [final]
```

7.171.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInfoReply::GetDescriptor ( ) [inline], [static]
```

7.171.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseInfoReply::GetMetadata ( ) const [final]
```

7.171.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseInfoReply::GetReflection ( ) [inline], [static]
```

7.171.3.18 has_duration()

```
bool briar::DatabaseInfoReply::has_duration ( ) const [inline]
```

7.171.3.19 has_info()

```
bool briar::DatabaseInfoReply::has_info ( ) const [inline]
```

7.171.3.20 info()

```
const ::briar::BriarDatabaseInfo & briar::DatabaseInfoReply::info() const [inline]
```

7.171.3.21 internal_default_instance()

```
static const DatabaseInfoReply* briar::DatabaseInfoReply::internal_default_instance() [inline], [static]
```

7.171.3.22 IsInitialized()

```
bool briar::DatabaseInfoReply::IsInitialized() const [final]
```

7.171.3.23 MergeFrom()

```
void briar::DatabaseInfoReply::MergeFrom(
    const DatabaseInfoReply & from)
```

7.171.3.24 mutable_duration()

```
briar::BriarDurations * briar::DatabaseInfoReply::mutable_duration() [inline]
```

7.171.3.25 mutable_info()

```
briar::BriarDatabaseInfo * briar::DatabaseInfoReply::mutable_info() [inline]
```

7.171.3.26 New()

```
DatabaseInfoReply* briar::DatabaseInfoReply::New(
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.171.3.27 operator=() [1/2]

```
DatabaseInfoReply& briar::DatabaseInfoReply::operator= (
    const DatabaseInfoReply & from ) [inline]
```

7.171.3.28 operator=() [2/2]

```
DatabaseInfoReply& briar::DatabaseInfoReply::operator= (
    DatabaseInfoReply && from ) [inline], [noexcept]
```

7.171.3.29 release_duration()

```
briar::BriarDurations * briar::DatabaseInfoReply::release_duration () [inline]
```

7.171.3.30 release_info()

```
briar::BriarDatabaseInfo * briar::DatabaseInfoReply::release_info () [inline]
```

7.171.3.31 set_allocated_duration()

```
void briar::DatabaseInfoReply::set_allocated_duration (
    ::briar::BriarDurations * duration ) [inline]
```

7.171.3.32 set_allocated_info()

```
void briar::DatabaseInfoReply::set_allocated_info (
    ::briar::BriarDatabaseInfo * info ) [inline]
```

7.171.3.33 set_exists()

```
void briar::DatabaseInfoReply::set_exists (
    bool value ) [inline]
```

7.171.3.34 Swap()

```
void briar::DatabaseInfoReply::Swap (
    DatabaseInfoReply * other ) [inline]
```

7.171.3.35 unsafe_arena_release_duration()

```
briar::BriarDurations * briar::DatabaseInfoReply::unsafe_arena_release_duration () [inline]
```

7.171.3.36 unsafe_arena_release_info()

```
briar::BriarDatabaseInfo * briar::DatabaseInfoReply::unsafe_arena_release_info () [inline]
```

7.171.3.37 unsafe_arena_set_allocated_duration()

```
void briar::DatabaseInfoReply::unsafe_arena_set_allocated_duration (
    ::briar::BriarDurations * duration ) [inline]
```

7.171.3.38 unsafe_arena_set_allocated_info()

```
void briar::DatabaseInfoReply::unsafe_arena_set_allocated_info (
    ::briar::BriarDatabaseInfo * info ) [inline]
```

7.171.3.39 UnsafeArenaSwap()

```
void briar::DatabaseInfoReply::UnsafeArenaSwap (
    DatabaseInfoReply * other ) [inline]
```

7.171.4 Friends And Related Function Documentation

7.171.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.171.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.171.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.171.4.4 swap

```
void swap (
    DatabaseInfoReply & a,
    DatabaseInfoReply & b ) [friend]
```

7.171.5 Member Data Documentation

7.171.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseInfoReply::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseInfoReply::MergeImpl
}
```

7.171.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseInfoReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

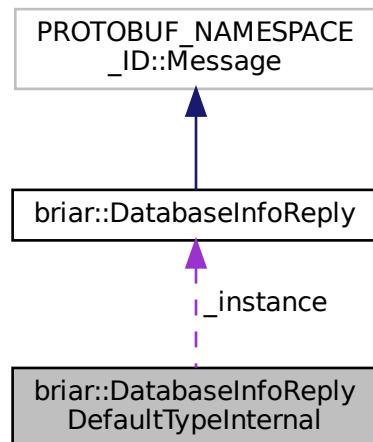
```
=
4
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.172 briar::DatabaseInfoReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseInfoReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseInfoReplyDefaultTypeInternal ()
- [~DatabaseInfoReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 DatabaseInfoReply _instance

};

7.172.1 Constructor & Destructor Documentation

7.172.1.1 DatabaseInfoReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseInfoReplyDefaultTypeInternal::DatabaseInfoReplyDefaultTypeInternal() [inline]
```

7.172.1.2 ~DatabaseInfoReplyDefaultTypeInternal()

```
briar::DatabaseInfoReplyDefaultTypeInternal::~DatabaseInfoReplyDefaultTypeInternal () [inline]
```

7.172.2 Member Data Documentation

7.172.2.1

```
union { ... }
```

7.172.2.2 _instance

```
DatabaseInfoReply briar::DatabaseInfoReplyDefaultTypeInternal::_instance
```

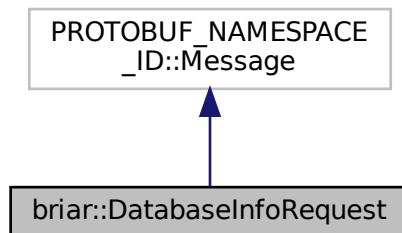
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_service.pb.cc](#)

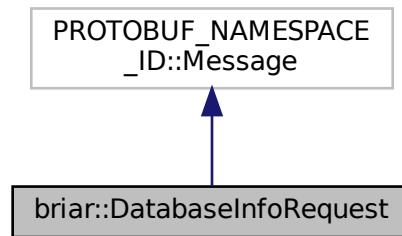
7.173 briar::DatabaseInfoRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseInfoRequest:



Collaboration diagram for briar::DatabaseInfoRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseNameFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database_name](#) ()
- void [clear_durations](#) ()
- void [CopyFrom](#) (const [DatabaseInfoRequest](#) &from)
- const std::string & [database_name](#) () const
- [DatabaseInfoRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseInfoRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<->Initialized)
- [DatabaseInfoRequest](#) (const [DatabaseInfoRequest](#) &from)
- [DatabaseInfoRequest](#) ([DatabaseInfoRequest](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseInfoRequest](#) &from)
- std::string * [mutable_database_name](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()
- [DatabaseInfoRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final

- `DatabaseInfoRequest & operator= (const DatabaseInfoRequest &from)`
- `DatabaseInfoRequest & operator= (DatabaseInfoRequest &&from) noexcept`
- `PROTOBUF_NODISCARD std::string * release_database_name ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `void set_allocated_database_name (std::string *database_name)`
- `void set_allocated_durations (::briar::BriarDurations *durations)`
- `template<typename ArgT0 = const std::string&, typename... ArgT>`
`void set_database_name (ArgT0 &&arg0, ArgT... args)`
- `template<typename ArgT0 , typename... ArgT>`
`PROTOBUF_ALWAYS_INLINE void set_database_name (ArgT0 &&arg0, ArgT... args)`
- `void Swap (DatabaseInfoRequest *other)`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- `void UnsafeArenaSwap (DatabaseInfoRequest *other)`
- `~DatabaseInfoRequest () override`

Static Public Member Functions

- `static const DatabaseInfoRequest & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const DatabaseInfoRequest * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `DatabaseInfoRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
`class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- `void swap (DatabaseInfoRequest &a, DatabaseInfoRequest &b)`

7.173.1 Member Enumeration Documentation

7.173.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseNameFieldNumber	
kDurationsFieldNumber	

7.173.2 Constructor & Destructor Documentation

7.173.2.1 DatabaseInfoRequest() [1/5]

```
briar::DatabaseInfoRequest::DatabaseInfoRequest ( ) [inline]
```

7.173.2.2 ~DatabaseInfoRequest()

```
briar::DatabaseInfoRequest::~DatabaseInfoRequest ( ) [override]
```

7.173.2.3 DatabaseInfoRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseInfoRequest::DatabaseInfoRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.173.2.4 DatabaseInfoRequest() [3/5]

```
briar::DatabaseInfoRequest::DatabaseInfoRequest (
    const DatabaseInfoRequest & from )
```

7.173.2.5 DatabaseInfoRequest() [4/5]

```
briar::DatabaseInfoRequest::DatabaseInfoRequest (
    DatabaseInfoRequest && from ) [inline], [noexcept]
```

7.173.2.6 DatabaseInfoRequest() [5/5]

```
briar::DatabaseInfoRequest::DatabaseInfoRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.173.3 Member Function Documentation

7.173.3.1 _InternalParse()

```
const char * briar::DatabaseInfoRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.173.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseInfoRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.173.3.3 ByteSizeLong()

```
size_t briar::DatabaseInfoRequest::ByteSizeLong () const [final]
```

7.173.3.4 Clear()

```
void briar::DatabaseInfoRequest::Clear () [final]
```

7.173.3.5 clear_database_name()

```
void briar::DatabaseInfoRequest::clear_database_name () [inline]
```

7.173.3.6 clear_durations()

```
void briar::DatabaseInfoRequest::clear_durations ( )
```

7.173.3.7 CopyFrom()

```
void briar::DatabaseInfoRequest::CopyFrom (
    const DatabaseInfoRequest & from )
```

7.173.3.8 database_name()

```
const std::string & briar::DatabaseInfoRequest::database_name ( ) const [inline]
```

7.173.3.9 default_instance()

```
static const DatabaseInfoRequest& briar::DatabaseInfoRequest::default_instance ( ) [inline],
[static]
```

7.173.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInfoRequest::descriptor ( )
[inline], [static]
```

7.173.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseInfoRequest::durations ( ) const [inline]
```

7.173.3.12 GetCachedSize()

```
int briar::DatabaseInfoRequest::GetCachedSize ( ) const [inline], [final]
```

7.173.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseInfoRequest::GetClassData ( ) const [final]
```

7.173.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInfoRequest::GetDescriptor ( ) [inline], [static]
```

7.173.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseInfoRequest::GetMetadata ( ) const [final]
```

7.173.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseInfoRequest::GetReflection ( ) [inline], [static]
```

7.173.3.17 has_durations()

```
bool briar::DatabaseInfoRequest::has_durations ( ) const [inline]
```

7.173.3.18 internal_default_instance()

```
static const DatabaseInfoRequest* briar::DatabaseInfoRequest::internal_default_instance ( ) [inline], [static]
```

7.173.3.19 IsInitialized()

```
bool briar::DatabaseInfoRequest::IsInitialized ( ) const [final]
```

7.173.3.20 MergeFrom()

```
void briar::DatabaseInfoRequest::MergeFrom (
    const DatabaseInfoRequest & from )
```

7.173.3.21 mutable_database_name()

```
std::string * briar::DatabaseInfoRequest::mutable_database_name ( ) [inline]
```

7.173.3.22 mutable_durations()

```
briar::BriarDurations * briar::DatabaseInfoRequest::mutable_durations ( ) [inline]
```

7.173.3.23 New()

```
DatabaseInfoRequest* briar::DatabaseInfoRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.173.3.24 operator=() [1/2]

```
DatabaseInfoRequest& briar::DatabaseInfoRequest::operator= (
    const DatabaseInfoRequest & from ) [inline]
```

7.173.3.25 operator=() [2/2]

```
DatabaseInfoRequest& briar::DatabaseInfoRequest::operator= (
    DatabaseInfoRequest && from ) [inline], [noexcept]
```

7.173.3.26 release_database_name()

```
std::string * briar::DatabaseInfoRequest::release_database_name ( ) [inline]
```

7.173.3.27 `release_durations()`

```
briar::BriarDurations * briar::DatabaseInfoRequest::release_durations ( ) [inline]
```

7.173.3.28 `set_allocated_database_name()`

```
void briar::DatabaseInfoRequest::set_allocated_database_name (
    std::string * database_name ) [inline]
```

7.173.3.29 `set_allocated_durations()`

```
void briar::DatabaseInfoRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.173.3.30 `set_database_name()` [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseInfoRequest::set_database_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.173.3.31 `set_database_name()` [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseInfoRequest::set_database_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.173.3.32 `Swap()`

```
void briar::DatabaseInfoRequest::Swap (
    DatabaseInfoRequest * other ) [inline]
```

7.173.3.33 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseInfoRequest::unsafe_arena_release_durations ( ) [inline]
```

7.173.3.34 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseInfoRequest::unsafe_arena_set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.173.3.35 UnsafeArenaSwap()

```
void briar::DatabaseInfoRequest::UnsafeArenaSwap (  
    DatabaseInfoRequest * other ) [inline]
```

7.173.4 Friends And Related Function Documentation

7.173.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >  
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.173.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.173.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.173.4.4 swap

```
void swap (  
    DatabaseInfoRequest & a,  
    DatabaseInfoRequest & b ) [friend]
```

7.173.5 Member Data Documentation

7.173.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseInfoRequest::_class_data_<--  
[static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DatabaseInfoRequest::MergeImpl  
}
```

7.173.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseInfoRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

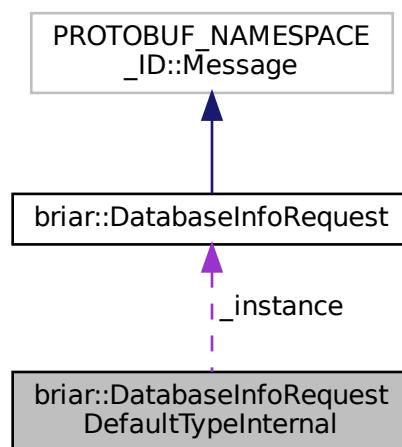
```
=  
    3
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.174 briar::DatabaseInfoRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseInfoRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseInfoRequestDefaultTypeInternal ()
- ~DatabaseInfoRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseInfoRequest _instance
};

7.174.1 Constructor & Destructor Documentation

7.174.1.1 DatabaseInfoRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseInfoRequestDefaultTypeInternal::DatabaseInfoRequestDefaultTypeInternal ( ) [inline]
```

7.174.1.2 ~DatabaseInfoRequestDefaultTypeInternal()

```
briar::DatabaseInfoRequestDefaultTypeInternal::~DatabaseInfoRequestDefaultTypeInternal ( ) [inline]
```

7.174.2 Member Data Documentation

7.174.2.1

```
union { ... }
```

7.174.2.2 _instance

```
DatabaseInfoRequest briar::DatabaseInfoRequestDefaultTypeInternal::_instance
```

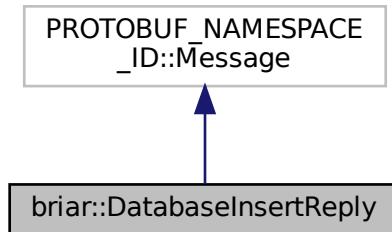
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

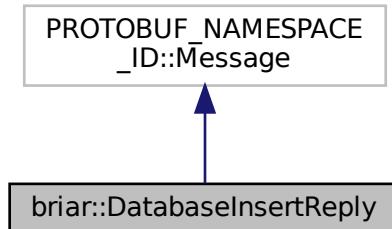
7.175 briar::DatabaseInsertReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseInsertReply:



Collaboration diagram for briar::DatabaseInsertReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kIdsFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 , [kErrorsFieldNumber](#) = 3 , [kExistsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_exists](#) ()
- void [clear_ids](#) ()
- void [CopyFrom](#) (const [DatabaseInsertReply](#) &from)
- [DatabaseInsertReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseInsertReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>)
- [DatabaseInsertReply](#) (const [DatabaseInsertReply](#) &from)
- [DatabaseInsertReply](#) ([DatabaseInsertReply](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- bool [exists](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_ids](#) () const
- const ::briar::TemplateIds & [ids](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseInsertReply](#) &from)
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::TemplateIds * [mutable_ids](#) ()
- [DatabaseInsertReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [DatabaseInsertReply](#) & [operator=](#) (const [DatabaseInsertReply](#) &from)
- [DatabaseInsertReply](#) & [operator=](#) ([DatabaseInsertReply](#) &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::TemplateIds * [release_ids](#) ()
- void [set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_allocated_ids](#) (::briar::TemplateIds *ids)
- void [set_exists](#) (bool value)
- void [Swap](#) ([DatabaseInsertReply](#) *other)
- ::briar::BriarDurations * [unsafe_arena_release_durations](#) ()
- ::briar::BriarErrors * [unsafe_arena_release_errors](#) ()
- ::briar::TemplateIds * [unsafe_arena_release_ids](#) ()
- void [unsafe_arena_set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [unsafe_arena_set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [unsafe_arena_set_allocated_ids](#) (::briar::TemplateIds *ids)
- void [UnsafeArenaSwap](#) ([DatabaseInsertReply](#) *other)
- [~DatabaseInsertReply](#) () override

Static Public Member Functions

- static const `DatabaseInsertReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DatabaseInsertReply * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseInsertReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot`
- void `swap (DatabaseInsertReply &a, DatabaseInsertReply &b)`

7.175.1 Member Enumeration Documentation

7.175.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kIdsFieldNumber</code>	
<code>kDurationsFieldNumber</code>	
<code>kErrorsFieldNumber</code>	
<code>kExistsFieldNumber</code>	

7.175.2 Constructor & Destructor Documentation

7.175.2.1 DatabaseInsertReply() [1/5]

```
briar::DatabaseInsertReply::DatabaseInsertReply ( ) [inline]
```

7.175.2.2 ~DatabaseInsertReply()

```
briar::DatabaseInsertReply::~DatabaseInsertReply ( ) [override]
```

7.175.2.3 DatabaseInsertReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseInsertReply::DatabaseInsertReply ( 
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.175.2.4 DatabaseInsertReply() [3/5]

```
briar::DatabaseInsertReply::DatabaseInsertReply ( 
    const DatabaseInsertReply & from )
```

7.175.2.5 DatabaseInsertReply() [4/5]

```
briar::DatabaseInsertReply::DatabaseInsertReply ( 
    DatabaseInsertReply && from ) [inline], [noexcept]
```

7.175.2.6 DatabaseInsertReply() [5/5]

```
briar::DatabaseInsertReply::DatabaseInsertReply ( 
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.175.3 Member Function Documentation

7.175.3.1 `_InternalParse()`

```
const char * briar::DatabaseInsertReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.175.3.2 `_InternalSerialize()`

```
uint8_t * briar::DatabaseInsertReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.175.3.3 `ByteSizeLong()`

```
size_t briar::DatabaseInsertReply::ByteSizeLong ( ) const [final]
```

7.175.3.4 `Clear()`

```
void briar::DatabaseInsertReply::Clear ( ) [final]
```

7.175.3.5 `clear_durations()`

```
void briar::DatabaseInsertReply::clear_durations ( )
```

7.175.3.6 `clear_errors()`

```
void briar::DatabaseInsertReply::clear_errors ( )
```

7.175.3.7 `clear_exists()`

```
void briar::DatabaseInsertReply::clear_exists ( ) [inline]
```

7.175.3.8 clear_ids()

```
void briar::DatabaseInsertReply::clear_ids ( )
```

7.175.3.9 CopyFrom()

```
void briar::DatabaseInsertReply::CopyFrom (
    const DatabaseInsertReply & from )
```

7.175.3.10 default_instance()

```
static const DatabaseInsertReply& briar::DatabaseInsertReply::default_instance ( ) [inline],
[static]
```

7.175.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInsertReply::descriptor ( )
[inline], [static]
```

7.175.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseInsertReply::durations ( ) const [inline]
```

7.175.3.13 errors()

```
const ::briar::BriarErrors & briar::DatabaseInsertReply::errors ( ) const [inline]
```

7.175.3.14 exists()

```
bool briar::DatabaseInsertReply::exists ( ) const [inline]
```

7.175.3.15 GetCachedSize()

```
int briar::DatabaseInsertReply::GetCachedSize ( ) const [inline], [final]
```

7.175.3.16 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseInsertReply::GetClassData ( ) const [final]
```

7.175.3.17 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInsertReply::GetDescriptor ( ) [inline], [static]
```

7.175.3.18 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseInsertReply::GetMetadata ( ) const [final]
```

7.175.3.19 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseInsertReply::GetReflection ( ) [inline], [static]
```

7.175.3.20 has_durations()

```
bool briar::DatabaseInsertReply::has_durations ( ) const [inline]
```

7.175.3.21 has_errors()

```
bool briar::DatabaseInsertReply::has_errors ( ) const [inline]
```

7.175.3.22 has_ids()

```
bool briar::DatabaseInsertReply::has_ids ( ) const [inline]
```

7.175.3.23 ids()

```
const ::briar::TemplateIds & briar::DatabaseInsertReply::ids ( ) const [inline]
```

7.175.3.24 internal_default_instance()

```
static const DatabaseInsertReply* briar::DatabaseInsertReply::internal_default_instance ( )
[inline], [static]
```

7.175.3.25 IsInitialized()

```
bool briar::DatabaseInsertReply::IsInitialized ( ) const [final]
```

7.175.3.26 MergeFrom()

```
void briar::DatabaseInsertReply::MergeFrom (
    const DatabaseInsertReply & from )
```

7.175.3.27 mutable_durations()

```
briar::BriarDurations * briar::DatabaseInsertReply::mutable_durations ( ) [inline]
```

7.175.3.28 mutable_errors()

```
briar::BriarErrors * briar::DatabaseInsertReply::mutable_errors ( ) [inline]
```

7.175.3.29 mutable_ids()

```
briar::TemplateIds * briar::DatabaseInsertReply::mutable_ids ( ) [inline]
```

7.175.3.30 New()

```
DatabaseInsertReply* briar::DatabaseInsertReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.175.3.31 operator=() [1/2]

```
DatabaseInsertReply& briar::DatabaseInsertReply::operator= (   
    const DatabaseInsertReply & from ) [inline]
```

7.175.3.32 operator=() [2/2]

```
DatabaseInsertReply& briar::DatabaseInsertReply::operator= (   
    DatabaseInsertReply && from ) [inline], [noexcept]
```

7.175.3.33 release_durations()

```
briar::BriarDurations * briar::DatabaseInsertReply::release_durations ( ) [inline]
```

7.175.3.34 release_errors()

```
briar::BriarErrors * briar::DatabaseInsertReply::release_errors ( ) [inline]
```

7.175.3.35 release_ids()

```
briar::TemplateIds * briar::DatabaseInsertReply::release_ids ( ) [inline]
```

7.175.3.36 set_allocated_durations()

```
void briar::DatabaseInsertReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.175.3.37 set_allocated_errors()

```
void briar::DatabaseInsertReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.175.3.38 set_allocated_ids()

```
void briar::DatabaseInsertReply::set_allocated_ids (
    ::briar::TemplateIds * ids ) [inline]
```

7.175.3.39 set_exists()

```
void briar::DatabaseInsertReply::set_exists (
    bool value ) [inline]
```

7.175.3.40 Swap()

```
void briar::DatabaseInsertReply::Swap (
    DatabaseInsertReply * other ) [inline]
```

7.175.3.41 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseInsertReply::unsafe_arena_release_durations () [inline]
```

7.175.3.42 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseInsertReply::unsafe_arena_release_errors () [inline]
```

7.175.3.43 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseInsertReply::unsafe_arena_release_ids ( ) [inline]
```

7.175.3.44 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseInsertReply::unsafe_arena_set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.175.3.45 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseInsertReply::unsafe_arena_set_allocated_errors ( ::briar::BriarErrors * errors ) [inline]
```

7.175.3.46 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseInsertReply::unsafe_arena_set_allocated_ids ( ::briar::TemplateIds * ids ) [inline]
```

7.175.3.47 UnsafeArenaSwap()

```
void briar::DatabaseInsertReply::UnsafeArenaSwap ( DatabaseInsertReply * other ) [inline]
```

7.175.4 Friends And Related Function Documentation

7.175.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.175.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.175.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.175.4.4 swap

```
void swap (
    DatabaseInsertReply & a,
    DatabaseInsertReply & b ) [friend]
```

7.175.5 Member Data Documentation**7.175.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseInsertReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseInsertReply::MergeImpl
}
```

7.175.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseInsertReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

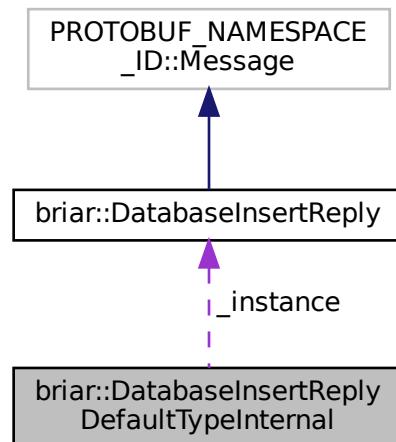
```
= 17
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.176 briar::DatabaseInsertReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseInsertReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseInsertReplyDefaultTypeInternal ()
- `~DatabaseInsertReplyDefaultTypeInternal ()`

Public Attributes

- union {
 `DatabaseInsertReply _instance`
};

7.176.1 Constructor & Destructor Documentation

7.176.1.1 DatabaseInsertReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseInsertReplyDefaultTypeInternal::DatabaseInsertReplyDefaultTypeInternal ( ) [inline]
```

7.176.1.2 ~DatabaseInsertReplyDefaultTypeInternal()

```
briar::DatabaseInsertReplyDefaultTypeInternal::~DatabaseInsertReplyDefaultTypeInternal ( )  
[inline]
```

7.176.2 Member Data Documentation

7.176.2.1

```
union { ... }
```

7.176.2.2 _instance

```
DatabaseInsertReply briar::DatabaseInsertReplyDefaultTypeInternal::_instance
```

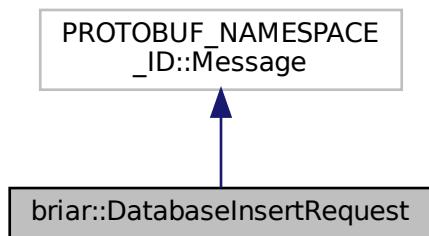
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

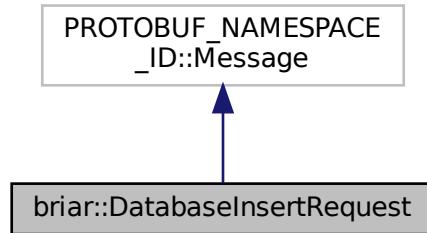
7.177 briar::DatabaseInsertRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseInsertRequest:



Collaboration diagram for briar::DatabaseInsertRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kTmplsFieldNumber](#) = 2 , [kIdsFieldNumber](#) = 3 , [KDurationsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_durations](#) ()
- void [clear_ids](#) ()
- void [clear_tmpls](#) ()
- void [CopyFrom](#) (const [DatabaseInsertRequest](#) &from)
- const ::briar::BriarDatabase & [database](#) () const
- [DatabaseInsertRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseInsertRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- [DatabaseInsertRequest](#) (const [DatabaseInsertRequest](#) &from)
- [DatabaseInsertRequest](#) ([DatabaseInsertRequest](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_durations](#) () const
- bool [has_ids](#) () const

- bool `has_tmpls () const`
- const ::briar::TemplateIds & `ids () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseInsertRequest &from)`
- ::briar::BriarDatabase * `mutable_database ()`
- ::briar::BriarDurations * `mutable_durations ()`
- ::briar::TemplateIds * `mutable_ids ()`
- ::briar::TemplateList * `mutable_tmpls ()`
- DatabaseInsertRequest * `New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- DatabaseInsertRequest & `operator= (const DatabaseInsertRequest &from)`
- DatabaseInsertRequest & `operator= (DatabaseInsertRequest &&from) noexcept`
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database ()`
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations ()`
- PROTOBUF_NODISCARD ::briar::TemplateIds * `release_ids ()`
- PROTOBUF_NODISCARD ::briar::TemplateList * `release_tmpls ()`
- void `set_allocated_database (::briar::BriarDatabase *database)`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_ids (::briar::TemplateIds *ids)`
- void `set_allocated_tmpls (::briar::TemplateList *tmpls)`
- void `Swap (DatabaseInsertRequest *other)`
- const ::briar::TemplateList & `tmpls () const`
- ::briar::BriarDatabase * `unsafe_arena_release_database ()`
- ::briar::BriarDurations * `unsafe_arena_release_durations ()`
- ::briar::TemplateIds * `unsafe_arena_release_ids ()`
- ::briar::TemplateList * `unsafe_arena_release_tmpls ()`
- void `unsafe_arena_set_allocated_database (::briar::BriarDatabase *database)`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_ids (::briar::TemplateIds *ids)`
- void `unsafe_arena_set_allocated_tmpls (::briar::TemplateList *tmpls)`
- void `UnsafeArenaSwap (DatabaseInsertRequest *other)`
- `~DatabaseInsertRequest () override`

Static Public Member Functions

- static const DatabaseInsertRequest & `default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const DatabaseInsertRequest * `internal_default_instance ()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- DatabaseInsertRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fService_2eproto
- void swap (DatabaseInsertRequest &a, DatabaseInsertRequest &b)

7.177.1 Member Enumeration Documentation

7.177.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kTmplsFieldNumber	
kIdsFieldNumber	
kDurationsFieldNumber	

7.177.2 Constructor & Destructor Documentation

7.177.2.1 DatabaseInsertRequest() [1/5]

```
briar::DatabaseInsertRequest::DatabaseInsertRequest ( ) [inline]
```

7.177.2.2 ~DatabaseInsertRequest()

```
briar::DatabaseInsertRequest::~DatabaseInsertRequest ( ) [override]
```

7.177.2.3 DatabaseInsertRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseInsertRequest::DatabaseInsertRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.177.2.4 DatabaseInsertRequest() [3/5]

```
briar::DatabaseInsertRequest::DatabaseInsertRequest (
    const DatabaseInsertRequest & from )
```

7.177.2.5 DatabaseInsertRequest() [4/5]

```
briar::DatabaseInsertRequest::DatabaseInsertRequest (
    DatabaseInsertRequest && from ) [inline], [noexcept]
```

7.177.2.6 DatabaseInsertRequest() [5/5]

```
briar::DatabaseInsertRequest::DatabaseInsertRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.177.3 Member Function Documentation

7.177.3.1 _InternalParse()

```
const char * briar::DatabaseInsertRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.177.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseInsertRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.177.3.3 ByteSizeLong()

```
size_t briar::DatabaseInsertRequest::ByteSizeLong ( ) const [final]
```

7.177.3.4 `Clear()`

```
void briar::DatabaseInsertRequest::Clear ( ) [final]
```

7.177.3.5 `clear_database()`

```
void briar::DatabaseInsertRequest::clear_database ( )
```

7.177.3.6 `clear_durations()`

```
void briar::DatabaseInsertRequest::clear_durations ( )
```

7.177.3.7 `clear_ids()`

```
void briar::DatabaseInsertRequest::clear_ids ( )
```

7.177.3.8 `clear_tmpls()`

```
void briar::DatabaseInsertRequest::clear_tmpls ( )
```

7.177.3.9 `CopyFrom()`

```
void briar::DatabaseInsertRequest::CopyFrom (
    const DatabaseInsertRequest & from )
```

7.177.3.10 `database()`

```
const ::briar::BriarDatabase & briar::DatabaseInsertRequest::database ( ) const [inline]
```

7.177.3.11 default_instance()

```
static const DatabaseInsertRequest& briar::DatabaseInsertRequest::default_instance ( ) [inline],  
[static]
```

7.177.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInsertRequest::descriptor ( )  
[inline], [static]
```

7.177.3.13 durations()

```
const ::briar::BriarDurations & briar::DatabaseInsertRequest::durations ( ) const [inline]
```

7.177.3.14 GetCachedSize()

```
int briar::DatabaseInsertRequest::GetCachedSize ( ) const [inline], [final]
```

7.177.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseInsertRequest::GetClassData  
( ) const [final]
```

7.177.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseInsertRequest::GetDescriptor  
( ) [inline], [static]
```

7.177.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseInsertRequest::GetMetadata ( ) const [final]
```

7.177.3.18 `GetReflection()`

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseInsertRequest::GetReflection()
() [inline], [static]
```

7.177.3.19 `has_database()`

```
bool briar::DatabaseInsertRequest::has_database () const [inline]
```

7.177.3.20 `has_durations()`

```
bool briar::DatabaseInsertRequest::has_durations () const [inline]
```

7.177.3.21 `has_ids()`

```
bool briar::DatabaseInsertRequest::has_ids () const [inline]
```

7.177.3.22 `has_tmpls()`

```
bool briar::DatabaseInsertRequest::has_tmpls () const [inline]
```

7.177.3.23 `ids()`

```
const ::briar::TemplateIds& briar::DatabaseInsertRequest::ids () const [inline]
```

7.177.3.24 `internal_default_instance()`

```
static const DatabaseInsertRequest* briar::DatabaseInsertRequest::internal_default_instance()
() [inline], [static]
```

7.177.3.25 IsInitialized()

```
bool briar::DatabaseInsertRequest::IsInitialized ( ) const [final]
```

7.177.3.26 MergeFrom()

```
void briar::DatabaseInsertRequest::MergeFrom (
    const DatabaseInsertRequest & from )
```

7.177.3.27 mutable_database()

```
briar::BriarDatabase * briar::DatabaseInsertRequest::mutable_database ( ) [inline]
```

7.177.3.28 mutable_durations()

```
briar::BriarDurations * briar::DatabaseInsertRequest::mutable_durations ( ) [inline]
```

7.177.3.29 mutable_ids()

```
briar::TemplateIds * briar::DatabaseInsertRequest::mutable_ids ( ) [inline]
```

7.177.3.30 mutable_tmpls()

```
briar::TemplateList * briar::DatabaseInsertRequest::mutable_tmpls ( ) [inline]
```

7.177.3.31 New()

```
DatabaseInsertRequest* briar::DatabaseInsertRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.177.3.32 operator=() [1/2]

```
DatabaseInsertRequest& briar::DatabaseInsertRequest::operator= (
    const DatabaseInsertRequest & from ) [inline]
```

7.177.3.33 operator=() [2/2]

```
DatabaseInsertRequest& briar::DatabaseInsertRequest::operator= (
    DatabaseInsertRequest && from ) [inline], [noexcept]
```

7.177.3.34 release_database()

```
briar::BriarDatabase * briar::DatabaseInsertRequest::release_database () [inline]
```

7.177.3.35 release_durations()

```
briar::BriarDurations * briar::DatabaseInsertRequest::release_durations () [inline]
```

7.177.3.36 release_ids()

```
briar::TemplateIds * briar::DatabaseInsertRequest::release_ids () [inline]
```

7.177.3.37 release_tmpls()

```
briar::TemplateList * briar::DatabaseInsertRequest::release_tmpls () [inline]
```

7.177.3.38 set_allocated_database()

```
void briar::DatabaseInsertRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.177.3.39 set_allocated_durations()

```
void briar::DatabaseInsertRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.177.3.40 set_allocated_ids()

```
void briar::DatabaseInsertRequest::set_allocated_ids (
    ::briar::TemplateIds * ids ) [inline]
```

7.177.3.41 set_allocated_tmpls()

```
void briar::DatabaseInsertRequest::set_allocated_tmpls (
    ::briar::TemplateList * tmpls ) [inline]
```

7.177.3.42 Swap()

```
void briar::DatabaseInsertRequest::Swap (
    DatabaseInsertRequest * other ) [inline]
```

7.177.3.43 tmpls()

```
const ::briar::TemplateList & briar::DatabaseInsertRequest::tmpls () const [inline]
```

7.177.3.44 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseInsertRequest::unsafe_arena_release_database () [inline]
```

7.177.3.45 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseInsertRequest::unsafe_arena_release_durations () [inline]
```

7.177.3.46 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseInsertRequest::unsafe_arena_release_ids ( ) [inline]
```

7.177.3.47 unsafe_arena_release_tmpls()

```
briar::TemplateList * briar::DatabaseInsertRequest::unsafe_arena_release_tmpls ( ) [inline]
```

7.177.3.48 unsafe_arena_set_allocated_database()

```
void briar::DatabaseInsertRequest::unsafe_arena_set_allocated_database (  
    ::briar::BriarDatabase * database ) [inline]
```

7.177.3.49 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseInsertRequest::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.177.3.50 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseInsertRequest::unsafe_arena_set_allocated_ids (   
    ::briar::TemplateIds * ids ) [inline]
```

7.177.3.51 unsafe_arena_set_allocated_tmpls()

```
void briar::DatabaseInsertRequest::unsafe_arena_set_allocated_tmpls (   
    ::briar::TemplateList * tmpls ) [inline]
```

7.177.3.52 UnsafeArenaSwap()

```
void briar::DatabaseInsertRequest::UnsafeArenaSwap (   
    DatabaseInsertRequest * other ) [inline]
```

7.177.4 Friends And Related Function Documentation

7.177.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.177.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.177.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.177.4.4 swap

```
void swap (
    DatabaseInsertRequest & a,
    DatabaseInsertRequest & b ) [friend]
```

7.177.5 Member Data Documentation

7.177.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseInsertRequest::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseInsertRequest::MergeImpl
}
```

7.177.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseInsertRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

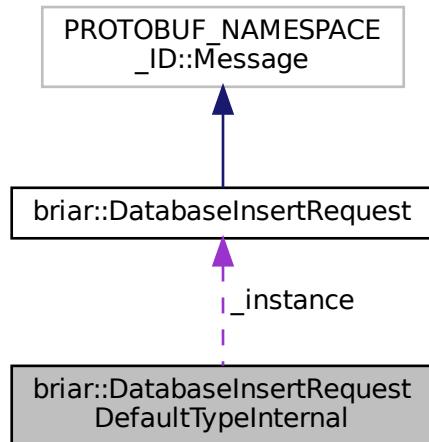
```
= 16
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.178 briar::DatabaseInsertRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseInsertRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseInsertRequestDefaultTypeInternal ()
- `~DatabaseInsertRequestDefaultTypeInternal ()`

Public Attributes

- union {
 `DatabaseInsertRequest _instance`
};

7.178.1 Constructor & Destructor Documentation

7.178.1.1 DatabaseInsertRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseInsertRequestDefaultTypeInternal::DatabaseInsertRequestDefaultTypeInternal ( ) [inline]
```

7.178.1.2 ~DatabaseInsertRequestDefaultTypeInternal()

```
briar::DatabaseInsertRequestDefaultTypeInternal::~DatabaseInsertRequestDefaultTypeInternal ( ) [inline]
```

7.178.2 Member Data Documentation

7.178.2.1

```
union { ... }
```

7.178.2.2 _instance

```
DatabaseInsertRequest briar::DatabaseInsertRequestDefaultTypeInternal::_instance
```

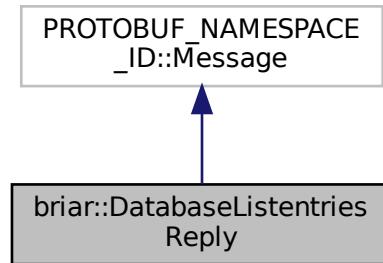
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

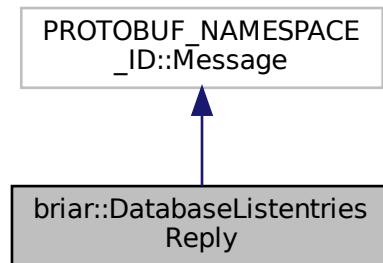
7.179 briar::DatabaseListentriesReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseListentriesReply:



Collaboration diagram for briar::DatabaseListentriesReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kEntryIdsFieldNumber](#) = 1 , [kEntryAttributesFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 3 , [kExistsFieldNumber](#) = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::FrameMetadata * `add_entry_attributes` ()
- std::string * `add_entry_ids` ()
- void `add_entry_ids` (const char *value)
- void `add_entry_ids` (const char *value, size_t size)
- void `add_entry_ids` (const std::string &value)
- void `add_entry_ids` (std::string &&value)
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_entry_attributes` ()
- void `clear_entry_ids` ()
- void `clear_exists` ()
- void `CopyFrom` (const DatabaseListentriesReply &from)
- `DatabaseListentriesReply` ()
- PROTOBUF_CONSTEXPR DatabaseListentriesReply (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- DatabaseListentriesReply (const DatabaseListentriesReply &from)
- DatabaseListentriesReply (DatabaseListentriesReply &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::FrameMetadata > & `entry_attributes` () const
- const ::briar::FrameMetadata & `entry_attributes` (int index) const
- int `entry_attributes_size` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `entry_ids` () const
- const std::string & `entry_ids` (int index) const
- int `entry_ids_size` () const
- bool `exists` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const DatabaseListentriesReply &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::FrameMetadata > * `mutable_entry_attributes` ()
- ::briar::FrameMetadata * `mutable_entry_attributes` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_entry_ids` ()
- std::string * `mutable_entry_ids` (int index)
- DatabaseListentriesReply * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- DatabaseListentriesReply & `operator=` (const DatabaseListentriesReply &from)
- DatabaseListentriesReply & `operator=` (DatabaseListentriesReply &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_entry_ids` (int index, const char *value)
- void `set_entry_ids` (int index, const char *value, size_t size)
- void `set_entry_ids` (int index, const std::string &value)
- void `set_entry_ids` (int index, std::string &&value)
- void `set_exists` (bool value)
- void `Swap` (DatabaseListentriesReply *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `UnsafeArenaSwap` (DatabaseListentriesReply *other)
- ~DatabaseListentriesReply () override

Static Public Member Functions

- static const `DatabaseListentriesReply` & `default_instance` ()
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor` * `descriptor` ()
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor` * `GetDescriptor` ()
- static const `::PROTOBUF_NAMESPACE_ID::Reflection` * `GetReflection` ()
- static const `DatabaseListentriesReply` * `internal_default_instance` ()

Static Public Attributes

- static const `ClassData` `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseListentriesReply` (`::PROTOBUF_NAMESPACE_ID::Arena` *`arena`, `bool` `is_message_owned=false`)

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot`
- void `swap` (`DatabaseListentriesReply` &`a`, `DatabaseListentriesReply` &`b`)

7.179.1 Member Enumeration Documentation

7.179.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kEntryIdsFieldNumber</code>	
<code>kEntryAttributesFieldNumber</code>	
<code>kDurationsFieldNumber</code>	
<code>kExistsFieldNumber</code>	

7.179.2 Constructor & Destructor Documentation

7.179.2.1 DatabaseListentriesReply() [1/5]

```
briar::DatabaseListentriesReply::DatabaseListentriesReply ( ) [inline]
```

7.179.2.2 ~DatabaseListentriesReply()

```
briar::DatabaseListentriesReply::~DatabaseListentriesReply ( ) [override]
```

7.179.2.3 DatabaseListentriesReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseListentriesReply::DatabaseListentriesReply ( 
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.179.2.4 DatabaseListentriesReply() [3/5]

```
briar::DatabaseListentriesReply::DatabaseListentriesReply ( 
    const DatabaseListentriesReply & from )
```

7.179.2.5 DatabaseListentriesReply() [4/5]

```
briar::DatabaseListentriesReply::DatabaseListentriesReply ( 
    DatabaseListentriesReply && from ) [inline], [noexcept]
```

7.179.2.6 DatabaseListentriesReply() [5/5]

```
briar::DatabaseListentriesReply::DatabaseListentriesReply ( 
    ::PROTOBUF_NAMESPACE_ID::Arena * arena, 
    bool is_message_owned = false ) [explicit], [protected]
```

7.179.3 Member Function Documentation

7.179.3.1 `_InternalParse()`

```
const char * briar::DatabaseListentriesReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.179.3.2 `_InternalSerialize()`

```
uint8_t * briar::DatabaseListentriesReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.179.3.3 `add_entry_attributes()`

```
briar::FrameMetadata * briar::DatabaseListentriesReply::add_entry_attributes () [inline]
```

7.179.3.4 `add_entry_ids() [1/5]`

```
std::string * briar::DatabaseListentriesReply::add_entry_ids () [inline]
```

7.179.3.5 `add_entry_ids() [2/5]`

```
void briar::DatabaseListentriesReply::add_entry_ids (
    const char * value ) [inline]
```

7.179.3.6 `add_entry_ids() [3/5]`

```
void briar::DatabaseListentriesReply::add_entry_ids (
    const char * value,
    size_t size ) [inline]
```

7.179.3.7 `add_entry_ids() [4/5]`

```
void briar::DatabaseListentriesReply::add_entry_ids (
    const std::string & value ) [inline]
```

7.179.3.8 add_entry_ids() [5/5]

```
void briar::DatabaseListentriesReply::add_entry_ids (
    std::string && value ) [inline]
```

7.179.3.9 ByteSizeLong()

```
size_t briar::DatabaseListentriesReply::ByteSizeLong ( ) const [final]
```

7.179.3.10 Clear()

```
void briar::DatabaseListentriesReply::Clear ( ) [final]
```

7.179.3.11 clear_durations()

```
void briar::DatabaseListentriesReply::clear_durations ( )
```

7.179.3.12 clear_entry_attributes()

```
void briar::DatabaseListentriesReply::clear_entry_attributes ( )
```

7.179.3.13 clear_entry_ids()

```
void briar::DatabaseListentriesReply::clear_entry_ids ( ) [inline]
```

7.179.3.14 clear_exists()

```
void briar::DatabaseListentriesReply::clear_exists ( ) [inline]
```

7.179.3.15 CopyFrom()

```
void briar::DatabaseListentriesReply::CopyFrom (
    const DatabaseListentriesReply & from )
```

7.179.3.16 default_instance()

```
static const DatabaseListentriesReply& briar::DatabaseListentriesReply::default_instance ( )
[inline], [static]
```

7.179.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListentriesReply::descriptor
( ) [inline], [static]
```

7.179.3.18 durations()

```
const ::briar::BriarDurations & briar::DatabaseListentriesReply::durations ( ) const [inline]
```

7.179.3.19 entry_attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::FrameMetadata > & briar::DatabaseListentriesReply::entry_attributes ( ) const [inline]
```

7.179.3.20 entry_attributes() [2/2]

```
const ::briar::FrameMetadata & briar::DatabaseListentriesReply::entry_attributes (
    int index ) const [inline]
```

7.179.3.21 entry_attributes_size()

```
int briar::DatabaseListentriesReply::entry_attributes_size ( ) const [inline]
```

7.179.3.22 entry_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::DatabaseListentriesReply::entry_ids( ) const [inline]
```

7.179.3.23 entry_ids() [2/2]

```
const std::string & briar::DatabaseListentriesReply::entry_ids( int index ) const [inline]
```

7.179.3.24 entry_ids_size()

```
int briar::DatabaseListentriesReply::entry_ids_size( ) const [inline]
```

7.179.3.25 exists()

```
bool briar::DatabaseListentriesReply::exists( ) const [inline]
```

7.179.3.26 GetCachedSize()

```
int briar::DatabaseListentriesReply::GetCachedSize( ) const [inline], [final]
```

7.179.3.27 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseListentriesReply::GetClassData( ) const [final]
```

7.179.3.28 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListentriesReply::GetDescriptor( ) [inline], [static]
```

7.179.3.29 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseListentriesReply::GetMetadata ( ) const [final]
```

7.179.3.30 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseListentriesReply::GetReflection ( ) [inline], [static]
```

7.179.3.31 has_durations()

```
bool briar::DatabaseListentriesReply::has_durations ( ) const [inline]
```

7.179.3.32 internal_default_instance()

```
static const DatabaseListentriesReply* briar::DatabaseListentriesReply::internal_default_instance ( ) [inline], [static]
```

7.179.3.33 IsInitialized()

```
bool briar::DatabaseListentriesReply::IsInitialized ( ) const [final]
```

7.179.3.34 MergeFrom()

```
void briar::DatabaseListentriesReply::MergeFrom ( const DatabaseListentriesReply & from )
```

7.179.3.35 mutable_durations()

```
briar::BriarDurations * briar::DatabaseListentriesReply::mutable_durations ( ) [inline]
```

7.179.3.36 mutable_entry_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::FrameMetadata> * briar::DatabaseListentriesReply::mutable_entry_attributes( ) [inline]
```

7.179.3.37 mutable_entry_attributes() [2/2]

```
briar::FrameMetadata * briar::DatabaseListentriesReply::mutable_entry_attributes( int index ) [inline]
```

7.179.3.38 mutable_entry_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::DatabaseListentriesReply::mutable_entry_ids( ) [inline]
```

7.179.3.39 mutable_entry_ids() [2/2]

```
std::string * briar::DatabaseListentriesReply::mutable_entry_ids( int index ) [inline]
```

7.179.3.40 New()

```
DatabaseListentriesReply* briar::DatabaseListentriesReply::New( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.179.3.41 operator=() [1/2]

```
DatabaseListentriesReply& briar::DatabaseListentriesReply::operator= ( const DatabaseListentriesReply & from ) [inline]
```

7.179.3.42 operator=() [2/2]

```
DatabaseListentriesReply& briar::DatabaseListentriesReply::operator= ( DatabaseListentriesReply && from ) [inline], [noexcept]
```

7.179.3.43 release_durations()

```
briar::BriarDurations * briar::DatabaseListentriesReply::release_durations ( ) [inline]
```

7.179.3.44 set_allocated_durations()

```
void briar::DatabaseListentriesReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.179.3.45 set_entry_ids() [1/4]

```
void briar::DatabaseListentriesReply::set_entry_ids (
    int index,
    const char * value ) [inline]
```

7.179.3.46 set_entry_ids() [2/4]

```
void briar::DatabaseListentriesReply::set_entry_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.179.3.47 set_entry_ids() [3/4]

```
void briar::DatabaseListentriesReply::set_entry_ids (
    int index,
    const std::string & value ) [inline]
```

7.179.3.48 set_entry_ids() [4/4]

```
void briar::DatabaseListentriesReply::set_entry_ids (
    int index,
    std::string && value ) [inline]
```

7.179.3.49 set_exists()

```
void briar::DatabaseListentriesReply::set_exists (
    bool value ) [inline]
```

7.179.3.50 Swap()

```
void briar::DatabaseListentriesReply::Swap (
    DatabaseListentriesReply * other ) [inline]
```

7.179.3.51 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseListentriesReply::unsafe_arena_release_durations ( )
[inline]
```

7.179.3.52 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseListentriesReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.179.3.53 UnsafeArenaSwap()

```
void briar::DatabaseListentriesReply::UnsafeArenaSwap (
    DatabaseListentriesReply * other ) [inline]
```

7.179.4 Friends And Related Function Documentation**7.179.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.179.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.179.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.179.4.4 swap

```
void swap (
    DatabaseListentriesReply & a,
    DatabaseListentriesReply & b ) [friend]
```

7.179.5 Member Data Documentation

7.179.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseListentriesReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseListentriesReply::MergeImpl
}
```

7.179.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseListentriesReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

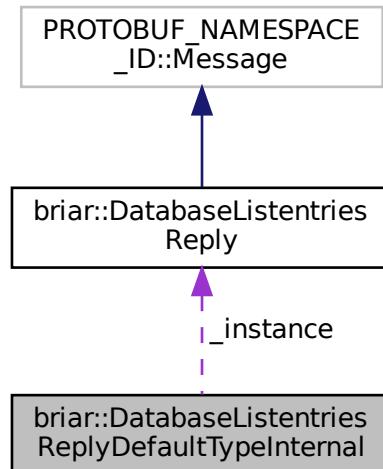
```
= 6
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.180 briar::DatabaseListentriesReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseListentriesReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseListentriesReplyDefaultTypeInternal ()
- ~DatabaseListentriesReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseListentriesReply _instance
};

7.180.1 Constructor & Destructor Documentation

7.180.1.1 DatabaseListentriesReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseListentriesReplyDefaultTypeInternal::DatabaseListentriesReplyDefaultTypeInternal ( ) [inline]
```

7.180.1.2 ~DatabaseListentriesReplyDefaultTypeInternal()

```
briar::DatabaseListentriesReplyDefaultTypeInternal::~DatabaseListentriesReplyDefaultTypeInternal ( ) [inline]
```

7.180.2 Member Data Documentation

7.180.2.1

```
union { ... }
```

7.180.2.2 _instance

```
DatabaseListentriesReply briar::DatabaseListentriesReplyDefaultTypeInternal::_instance
```

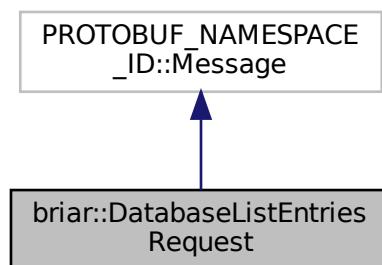
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

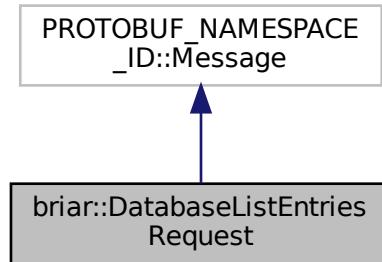
7.181 briar::DatabaseListEntriesRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseListEntriesRequest:



Collaboration diagram for briar::DatabaseListEntriesRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseNameFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database_name](#) ()
- void [clear_durations](#) ()
- void [CopyFrom](#) (const [DatabaseListEntriesRequest](#) &from)
- const std::string & [database_name](#) () const
- [DatabaseListEntriesRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseListEntriesRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [DatabaseListEntriesRequest](#) (const [DatabaseListEntriesRequest](#) &from)
- [DatabaseListEntriesRequest](#) ([DatabaseListEntriesRequest](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseListEntriesRequest](#) &from)
- std::string * [mutable_database_name](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()

- `DatabaseListEntriesRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseListEntriesRequest & operator= (const DatabaseListEntriesRequest &from)`
- `DatabaseListEntriesRequest & operator= (DatabaseListEntriesRequest &&from) noexcept`
- `PROTOBUF_NODISCARD std::string * release_database_name ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `void set_allocated_database_name (std::string *database_name)`
- `void set_allocated_durations (::briar::BriarDurations *durations)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
 `void set_database_name (ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 , typename... ArgT>
 `PROTOBUF_ALWAYS_INLINE void set_database_name (ArgT0 &&arg0, ArgT... args)`
- `void Swap (DatabaseListEntriesRequest *other)`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- `void UnsafeArenaSwap (DatabaseListEntriesRequest *other)`
- `~DatabaseListEntriesRequest () override`

Static Public Member Functions

- `static const DatabaseListEntriesRequest & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const DatabaseListEntriesRequest * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `DatabaseListEntriesRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_<owned=false>)`

Friends

- template<typename T >
 `class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- `void swap (DatabaseListEntriesRequest &a, DatabaseListEntriesRequest &b)`

7.181.1 Member Enumeration Documentation

7.181.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseNameFieldNumber	
kDurationsFieldNumber	

7.181.2 Constructor & Destructor Documentation

7.181.2.1 DatabaseListEntriesRequest() [1/5]

```
briar::DatabaseListEntriesRequest::DatabaseListEntriesRequest ( ) [inline]
```

7.181.2.2 ~DatabaseListEntriesRequest()

```
briar::DatabaseListEntriesRequest::~DatabaseListEntriesRequest ( ) [override]
```

7.181.2.3 DatabaseListEntriesRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseListEntriesRequest::DatabaseListEntriesRequest ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.181.2.4 DatabaseListEntriesRequest() [3/5]

```
briar::DatabaseListEntriesRequest::DatabaseListEntriesRequest ( const DatabaseListEntriesRequest & from )
```

7.181.2.5 DatabaseListEntriesRequest() [4/5]

```
briar::DatabaseListEntriesRequest::DatabaseListEntriesRequest ( DatabaseListEntriesRequest && from ) [inline], [noexcept]
```

7.181.2.6 DatabaseListEntriesRequest() [5/5]

```
briar::DatabaseListEntriesRequest::DatabaseListEntriesRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.181.3 Member Function Documentation

7.181.3.1 _InternalParse()

```
const char * briar::DatabaseListEntriesRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.181.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseListEntriesRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.181.3.3 ByteSizeLong()

```
size_t briar::DatabaseListEntriesRequest::ByteSizeLong () const [final]
```

7.181.3.4 Clear()

```
void briar::DatabaseListEntriesRequest::Clear () [final]
```

7.181.3.5 clear_database_name()

```
void briar::DatabaseListEntriesRequest::clear_database_name () [inline]
```

7.181.3.6 clear_durations()

```
void briar::DatabaseListEntriesRequest::clear_durations ( )
```

7.181.3.7 CopyFrom()

```
void briar::DatabaseListEntriesRequest::CopyFrom (
    const DatabaseListEntriesRequest & from )
```

7.181.3.8 database_name()

```
const std::string & briar::DatabaseListEntriesRequest::database_name ( ) const [inline]
```

7.181.3.9 default_instance()

```
static const DatabaseListEntriesRequest& briar::DatabaseListEntriesRequest::default_instance (
) [inline], [static]
```

7.181.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListEntriesRequest::descriptor
( ) [inline], [static]
```

7.181.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseListEntriesRequest::durations ( ) const [inline]
```

7.181.3.12 GetCachedSize()

```
int briar::DatabaseListEntriesRequest::GetCachedSize ( ) const [inline], [final]
```

7.181.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseListEntriesRequest::Get←  
ClassData () const [final]
```

7.181.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListEntriesRequest::Get←  
Descriptor () [inline], [static]
```

7.181.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseListEntriesRequest::GetMetadata () const [final]
```

7.181.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseListEntriesRequest::Get←  
Reflection () [inline], [static]
```

7.181.3.17 has_durations()

```
bool briar::DatabaseListEntriesRequest::has_durations () const [inline]
```

7.181.3.18 internal_default_instance()

```
static const DatabaseListEntriesRequest* briar::DatabaseListEntriesRequest::internal_default_←  
instance () [inline], [static]
```

7.181.3.19 IsInitialized()

```
bool briar::DatabaseListEntriesRequest::IsInitialized () const [final]
```

7.181.3.20 MergeFrom()

```
void briar::DatabaseListEntriesRequest::MergeFrom (
    const DatabaseListEntriesRequest & from )
```

7.181.3.21 mutable_database_name()

```
std::string * briar::DatabaseListEntriesRequest::mutable_database_name ( ) [inline]
```

7.181.3.22 mutable_durations()

```
briar::BriarDurations * briar::DatabaseListEntriesRequest::mutable_durations ( ) [inline]
```

7.181.3.23 New()

```
DatabaseListEntriesRequest* briar::DatabaseListEntriesRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.181.3.24 operator=() [1/2]

```
DatabaseListEntriesRequest& briar::DatabaseListEntriesRequest::operator= (
    const DatabaseListEntriesRequest & from ) [inline]
```

7.181.3.25 operator=() [2/2]

```
DatabaseListEntriesRequest& briar::DatabaseListEntriesRequest::operator= (
    DatabaseListEntriesRequest && from ) [inline], [noexcept]
```

7.181.3.26 release_database_name()

```
std::string * briar::DatabaseListEntriesRequest::release_database_name ( ) [inline]
```

7.181.3.27 release_durations()

```
briar::BriarDurations * briar::DatabaseListEntriesRequest::release_durations ( ) [inline]
```

7.181.3.28 set_allocated_database_name()

```
void briar::DatabaseListEntriesRequest::set_allocated_database_name (
    std::string * database_name ) [inline]
```

7.181.3.29 set_allocated_durations()

```
void briar::DatabaseListEntriesRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.181.3.30 set_database_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseListEntriesRequest::set_database_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.181.3.31 set_database_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseListEntriesRequest::set_database_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.181.3.32 Swap()

```
void briar::DatabaseListEntriesRequest::Swap (
    DatabaseListEntriesRequest * other ) [inline]
```

7.181.3.33 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseListEntriesRequest::unsafe_arena_release_durations ( )  
[inline]
```

7.181.3.34 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseListEntriesRequest::unsafe_arena_set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.181.3.35 UnsafeArenaSwap()

```
void briar::DatabaseListEntriesRequest::UnsafeArenaSwap (   
    DatabaseListEntriesRequest * other ) [inline]
```

7.181.4 Friends And Related Function Documentation**7.181.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >  
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.181.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.181.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.181.4.4 swap

```
void swap (   
    DatabaseListEntriesRequest & a,  
    DatabaseListEntriesRequest & b ) [friend]
```

7.181.5 Member Data Documentation

7.181.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseListEntriesRequest::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DatabaseListEntriesRequest::MergeImpl  
}
```

7.181.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseListEntriesRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

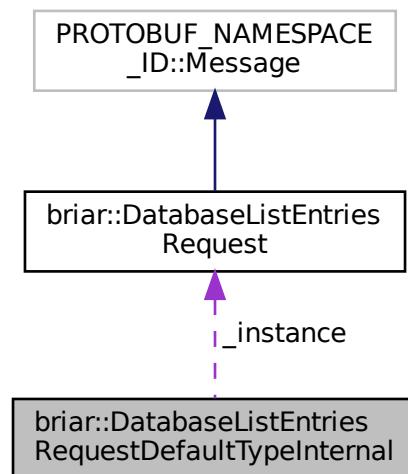
```
= 5
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.182 briar::DatabaseListEntriesRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseListEntriesRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseListEntriesRequestDefaultTypeInternal ()
- ~DatabaseListEntriesRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseListEntriesRequest _instance
};

7.182.1 Constructor & Destructor Documentation

7.182.1.1 DatabaseListEntriesRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseListEntriesRequestDefaultTypeInternal::DatabaseListEntriesRequestDefaultTypeInternal ( ) [inline]
```

7.182.1.2 ~DatabaseListEntriesRequestDefaultTypeInternal()

```
briar::DatabaseListEntriesRequestDefaultTypeInternal::~DatabaseListEntriesRequestDefaultTypeInternal ( ) [inline]
```

7.182.2 Member Data Documentation

7.182.2.1

```
union { ... }
```

7.182.2.2 _instance

```
DatabaseListEntriesRequest briar::DatabaseListEntriesRequestDefaultTypeInternal::_instance
```

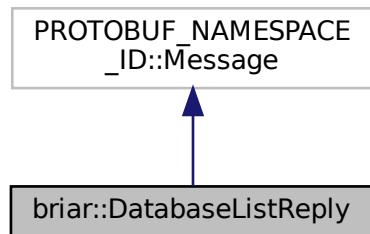
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

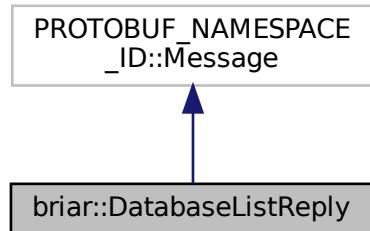
7.183 briar::DatabaseListReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseListReply:



Collaboration diagram for briar::DatabaseListReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseNamesFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * [add_database_names](#) ()
- void [add_database_names](#) (const char *value)
- void [add_database_names](#) (const char *value, size_t size)
- void [add_database_names](#) (const std::string &value)
- void [add_database_names](#) (std::string &&value)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database_names](#) ()
- void [CopyFrom](#) (const [DatabaseListReply](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & [database_names](#) () const
- const std::string & [database_names](#) (int index) const
- int [database_names_size](#) () const
- [DatabaseListReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseListReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized)
- [DatabaseListReply](#) (const [DatabaseListReply](#) &from)
- [DatabaseListReply](#) ([DatabaseListReply](#) &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseListReply](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * [mutable_database_names](#) ()
- std::string * [mutable_database_names](#) (int index)
- [DatabaseListReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [DatabaseListReply](#) & [operator=](#) (const [DatabaseListReply](#) &from)
- [DatabaseListReply](#) & [operator=](#) ([DatabaseListReply](#) &&from) noexcept
- void [set_database_names](#) (int index, const char *value)
- void [set_database_names](#) (int index, const char *value, size_t size)
- void [set_database_names](#) (int index, const std::string &value)
- void [set_database_names](#) (int index, std::string &&value)
- void [Swap](#) ([DatabaseListReply](#) *other)
- void [UnsafeArenaSwap](#) ([DatabaseListReply](#) *other)
- [~DatabaseListReply](#) () override

Static Public Member Functions

- static const [DatabaseListReply](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [DatabaseListReply](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseListReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) (DatabaseListReply &a, DatabaseListReply &b)

7.183.1 Member Enumeration Documentation

7.183.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseNamesFieldNumber	
---------------------------	--

7.183.2 Constructor & Destructor Documentation

7.183.2.1 DatabaseListReply() [1/5]

```
briar::DatabaseListReply::DatabaseListReply ( ) [inline]
```

7.183.2.2 ~DatabaseListReply()

```
briar::DatabaseListReply::~DatabaseListReply ( ) [override]
```

7.183.2.3 DatabaseListReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseListReply::DatabaseListReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.183.2.4 DatabaseListReply() [3/5]

```
briar::DatabaseListReply::DatabaseListReply (
    const DatabaseListReply & from )
```

7.183.2.5 DatabaseListReply() [4/5]

```
briar::DatabaseListReply::DatabaseListReply (
    DatabaseListReply && from ) [inline], [noexcept]
```

7.183.2.6 DatabaseListReply() [5/5]

```
briar::DatabaseListReply::DatabaseListReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.183.3 Member Function Documentation

7.183.3.1 _InternalParse()

```
const char * briar::DatabaseListReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.183.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseListReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.183.3.3 add_database_names() [1/5]

```
std::string * briar::DatabaseListReply::add_database_names ( ) [inline]
```

7.183.3.4 add_database_names() [2/5]

```
void briar::DatabaseListReply::add_database_names (
    const char * value )  [inline]
```

7.183.3.5 add_database_names() [3/5]

```
void briar::DatabaseListReply::add_database_names (
    const char * value,
    size_t size )  [inline]
```

7.183.3.6 add_database_names() [4/5]

```
void briar::DatabaseListReply::add_database_names (
    const std::string & value )  [inline]
```

7.183.3.7 add_database_names() [5/5]

```
void briar::DatabaseListReply::add_database_names (
    std::string && value )  [inline]
```

7.183.3.8 ByteSizeLong()

```
size_t briar::DatabaseListReply::ByteSizeLong ( ) const  [final]
```

7.183.3.9 Clear()

```
void briar::DatabaseListReply::Clear ( )  [final]
```

7.183.3.10 clear_database_names()

```
void briar::DatabaseListReply::clear_database_names ( )  [inline]
```

7.183.3.11 CopyFrom()

```
void briar::DatabaseListReply::CopyFrom (
    const DatabaseListReply & from )
```

7.183.3.12 database_names() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::DatabaseListReply::database_names ( ) const [inline]
```

7.183.3.13 database_names() [2/2]

```
const std::string & briar::DatabaseListReply::database_names (
    int index ) const [inline]
```

7.183.3.14 database_names_size()

```
int briar::DatabaseListReply::database_names_size ( ) const [inline]
```

7.183.3.15 default_instance()

```
static const DatabaseListReply& briar::DatabaseListReply::default_instance ( ) [inline], [static]
```

7.183.3.16 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListReply::descriptor ( ) [inline], [static]
```

7.183.3.17 GetCachedSize()

```
int briar::DatabaseListReply::GetCachedSize ( ) const [inline], [final]
```

7.183.3.18 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseListReply::GetClassData ( )  
const [final]
```

7.183.3.19 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListReply::GetDescriptor ( )  
[inline], [static]
```

7.183.3.20 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseListReply::GetMetadata ( ) const [final]
```

7.183.3.21 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseListReply::GetReflection ( )  
[inline], [static]
```

7.183.3.22 internal_default_instance()

```
static const DatabaseListReply* briar::DatabaseListReply::internal_default_instance ( ) [inline],  
[static]
```

7.183.3.23 IsInitialized()

```
bool briar::DatabaseListReply::IsInitialized ( ) const [final]
```

7.183.3.24 MergeFrom()

```
void briar::DatabaseListReply::MergeFrom (   
    const DatabaseListReply & from )
```

7.183.3.25 mutable_database_names() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::DatabaseListReply::mutable_<→
database_names ( ) [inline]
```

7.183.3.26 mutable_database_names() [2/2]

```
std::string * briar::DatabaseListReply::mutable_database_names (
    int index ) [inline]
```

7.183.3.27 New()

```
DatabaseListReply* briar::DatabaseListReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.183.3.28 operator=() [1/2]

```
DatabaseListReply& briar::DatabaseListReply::operator= (
    const DatabaseListReply & from ) [inline]
```

7.183.3.29 operator=() [2/2]

```
DatabaseListReply& briar::DatabaseListReply::operator= (
    DatabaseListReply && from ) [inline], [noexcept]
```

7.183.3.30 set_database_names() [1/4]

```
void briar::DatabaseListReply::set_database_names (
    int index,
    const char * value ) [inline]
```

7.183.3.31 set_database_names() [2/4]

```
void briar::DatabaseListReply::set_database_names (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.183.3.32 set_database_names() [3/4]

```
void briar::DatabaseListReply::set_database_names (
    int index,
    const std::string & value ) [inline]
```

7.183.3.33 set_database_names() [4/4]

```
void briar::DatabaseListReply::set_database_names (
    int index,
    std::string && value ) [inline]
```

7.183.3.34 Swap()

```
void briar::DatabaseListReply::Swap (
    DatabaseListReply * other ) [inline]
```

7.183.3.35 UnsafeArenaSwap()

```
void briar::DatabaseListReply::UnsafeArenaSwap (
    DatabaseListReply * other ) [inline]
```

7.183.4 Friends And Related Function Documentation**7.183.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.183.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.183.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.183.4.4 swap

```
void swap (
    DatabaseListReply & a,
    DatabaseListReply & b ) [friend]
```

7.183.5 Member Data Documentation

7.183.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseListReply::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DatabaseListReply::MergeImpl  
}
```

7.183.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseListReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

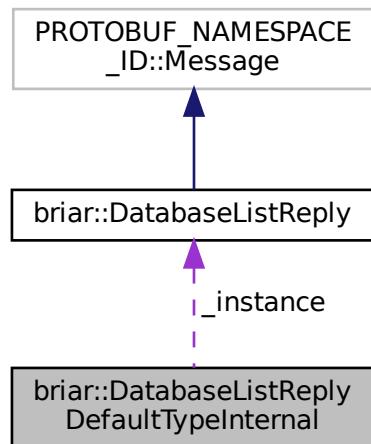
```
= 2
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.184 briar::DatabaseListReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseListReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseListReplyDefaultTypeInternal ()
- ~DatabaseListReplyDefaultTypeInternal ()

Public Attributes

- union {

 DatabaseListReply _instance

};

7.184.1 Constructor & Destructor Documentation

7.184.1.1 DatabaseListReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseListReplyDefaultTypeInternal::DatabaseListReplyDefaultTypeInternal() [inline]
```

7.184.1.2 ~DatabaseListReplyDefaultTypeInternal()

```
briar::DatabaseListReplyDefaultTypeInternal::~DatabaseListReplyDefaultTypeInternal () [inline]
```

7.184.2 Member Data Documentation

7.184.2.1

```
union { ... }
```

7.184.2.2 _instance

```
DatabaseListReply briar::DatabaseListReplyDefaultTypeInternal::_instance
```

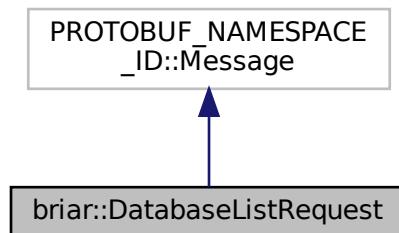
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_service.pb.cc](#)

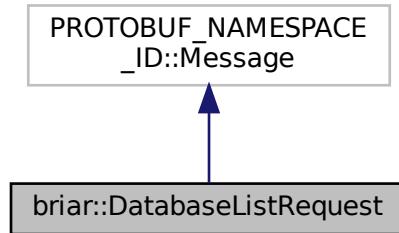
7.185 briar::DatabaseListRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseListRequest:



Collaboration diagram for briar::DatabaseListRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kRegexFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_regex](#) ()
- void [CopyFrom](#) (const [DatabaseListRequest](#) &from)
- [DatabaseListRequest](#) ()
- PROTOBUF_CONSTEXPR [DatabaseListRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- [DatabaseListRequest](#) (const [DatabaseListRequest](#) &from)
- [DatabaseListRequest](#) ([DatabaseListRequest](#) &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseListRequest](#) &from)
- std::string * [mutable_regex](#) ()
- [DatabaseListRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [DatabaseListRequest](#) & [operator=](#) (const [DatabaseListRequest](#) &from)
- [DatabaseListRequest](#) & [operator=](#) ([DatabaseListRequest](#) &&from) noexcept
- const std::string & [regex](#) () const
- PROTOBUF_NODISCARD std::string * [release_regex](#) ()
- void [set_allocated_regex](#) (std::string *regex)

- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_regex](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_regex](#) (ArgT0 &&arg0, ArgT... args)
- void [Swap](#) (DatabaseListRequest *other)
- void [UnsafeArenaSwap](#) (DatabaseListRequest *other)
- [~DatabaseListRequest](#) () override

Static Public Member Functions

- static const DatabaseListRequest & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const DatabaseListRequest * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- DatabaseListRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned](#)=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) (DatabaseListRequest &a, DatabaseListRequest &b)

7.185.1 Member Enumeration Documentation

7.185.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kRegexFieldNumber	<input type="text"/>
-------------------	----------------------

7.185.2 Constructor & Destructor Documentation

7.185.2.1 DatabaseListRequest() [1/5]

```
briar::DatabaseListRequest::DatabaseListRequest ( ) [inline]
```

7.185.2.2 ~DatabaseListRequest()

```
briar::DatabaseListRequest::~DatabaseListRequest ( ) [override]
```

7.185.2.3 DatabaseListRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseListRequest::DatabaseListRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.185.2.4 DatabaseListRequest() [3/5]

```
briar::DatabaseListRequest::DatabaseListRequest (
    const DatabaseListRequest & from )
```

7.185.2.5 DatabaseListRequest() [4/5]

```
briar::DatabaseListRequest::DatabaseListRequest (
    DatabaseListRequest && from ) [inline], [noexcept]
```

7.185.2.6 DatabaseListRequest() [5/5]

```
briar::DatabaseListRequest::DatabaseListRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.185.3 Member Function Documentation

7.185.3.1 _InternalParse()

```
const char * briar::DatabaseListRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.185.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseListRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.185.3.3 ByteSizeLong()

```
size_t briar::DatabaseListRequest::ByteSizeLong ( ) const [final]
```

7.185.3.4 Clear()

```
void briar::DatabaseListRequest::Clear ( ) [final]
```

7.185.3.5 clear_regex()

```
void briar::DatabaseListRequest::clear_regex ( ) [inline]
```

7.185.3.6 CopyFrom()

```
void briar::DatabaseListRequest::CopyFrom (
    const DatabaseListRequest & from )
```

7.185.3.7 default_instance()

```
static const DatabaseListRequest& briar::DatabaseListRequest::default_instance ( ) [inline],
[static]
```

7.185.3.8 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListRequest::descriptor( )  
[inline], [static]
```

7.185.3.9 GetCachedSize()

```
int briar::DatabaseListRequest::GetCachedSize( ) const [inline], [final]
```

7.185.3.10 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseListRequest::GetClassData( )  
const [final]
```

7.185.3.11 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseListRequest::GetDescriptor( )  
[inline], [static]
```

7.185.3.12 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseListRequest::GetMetadata( ) const [final]
```

7.185.3.13 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseListRequest::GetReflection( )  
[inline], [static]
```

7.185.3.14 internal_default_instance()

```
static const DatabaseListRequest* briar::DatabaseListRequest::internal_default_instance( )  
[inline], [static]
```

7.185.3.15 IsInitialized()

```
bool briar::DatabaseListRequest::IsInitialized () const [final]
```

7.185.3.16 MergeFrom()

```
void briar::DatabaseListRequest::MergeFrom (
    const DatabaseListRequest & from )
```

7.185.3.17 mutable_regex()

```
std::string * briar::DatabaseListRequest::mutable_regex () [inline]
```

7.185.3.18 New()

```
DatabaseListRequest* briar::DatabaseListRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.185.3.19 operator=() [1/2]

```
DatabaseListRequest& briar::DatabaseListRequest::operator= (
    const DatabaseListRequest & from ) [inline]
```

7.185.3.20 operator=() [2/2]

```
DatabaseListRequest& briar::DatabaseListRequest::operator= (
    DatabaseListRequest && from ) [inline], [noexcept]
```

7.185.3.21 regex()

```
const std::string & briar::DatabaseListRequest::regex () const [inline]
```

7.185.3.22 `release_regex()`

```
std::string * briar::DatabaseListRequest::release_regex ( ) [inline]
```

7.185.3.23 `set_allocated_regex()`

```
void briar::DatabaseListRequest::set_allocated_regex (
    std::string * regex ) [inline]
```

7.185.3.24 `set_regex()` [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseListRequest::set_regex (
    ArgT0 && arg0,
    ArgT... args )
```

7.185.3.25 `set_regex()` [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseListRequest::set_regex (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.185.3.26 `Swap()`

```
void briar::DatabaseListRequest::Swap (
    DatabaseListRequest * other ) [inline]
```

7.185.3.27 `UnsafeArenaSwap()`

```
void briar::DatabaseListRequest::UnsafeArenaSwap (
    DatabaseListRequest * other ) [inline]
```

7.185.4 Friends And Related Function Documentation

7.185.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.185.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.185.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.185.4.4 swap

```
void swap (
    DatabaseListRequest & a,
    DatabaseListRequest & b ) [friend]
```

7.185.5 Member Data Documentation**7.185.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseListRequest::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseListRequest::MergeImpl
}
```

7.185.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseListRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

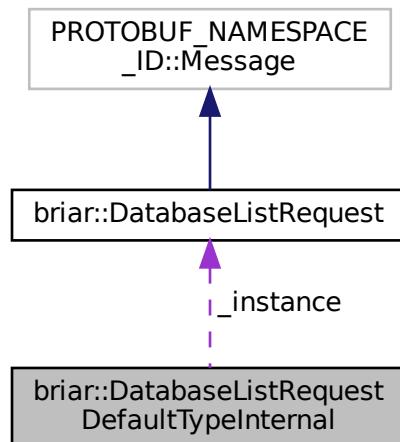
```
=
1
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.186 briar::DatabaseListRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseListRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseListRequestDefaultTypeInternal ()
- `~DatabaseListRequestDefaultTypeInternal ()`

Public Attributes

- union {
 `DatabaseListRequest _instance`
};

7.186.1 Constructor & Destructor Documentation

7.186.1.1 DatabaseListRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseListRequestDefaultTypeInternal::DatabaseListRequestDefaultTypeInternal ( ) [inline]
```

7.186.1.2 ~DatabaseListRequestDefaultTypeInternal()

```
briar::DatabaseListRequestDefaultTypeInternal::~DatabaseListRequestDefaultTypeInternal ( )  
[inline]
```

7.186.2 Member Data Documentation

7.186.2.1

```
union { ... }
```

7.186.2.2 _instance

```
DatabaseListRequest briar::DatabaseListRequestDefaultTypeInternal::_instance
```

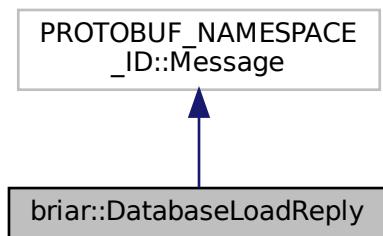
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

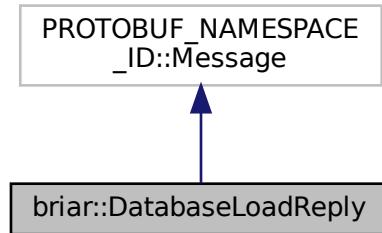
7.187 briar::DatabaseLoadReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseLoadReply:



Collaboration diagram for briar::DatabaseLoadReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kIdsFieldNumber](#) = 1 , [kRecordsFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 3 , [kErrorsFieldNumber](#) = 4 ,
 [kExistsFieldNumber](#) = 5 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_exists](#) ()
- void [clear_ids](#) ()
- void [clear_records](#) ()
- void [CopyFrom](#) (const [DatabaseLoadReply](#) &from)
- [DatabaseLoadReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseLoadReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<->Initialized)
- [DatabaseLoadReply](#) (const [DatabaseLoadReply](#) &from)
- [DatabaseLoadReply](#) ([DatabaseLoadReply](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- bool [exists](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final

- bool `has_durations () const`
- bool `has_errors () const`
- bool `has_ids () const`
- bool `has_records () const`
- const ::briar::TemplateIds & `ids () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseLoadReply &from)`
- ::briar::BriarDurations * `mutable_durations ()`
- ::briar::BriarErrors * `mutable_errors ()`
- ::briar::TemplateIds * `mutable_ids ()`
- ::briar::RecordList * `mutable_records ()`
- DatabaseLoadReply * `New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- DatabaseLoadReply & `operator= (const DatabaseLoadReply &from)`
- DatabaseLoadReply & `operator= (DatabaseLoadReply &&from) noexcept`
- const ::briar::RecordList & `records () const`
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations ()`
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors ()`
- PROTOBUF_NODISCARD ::briar::TemplateIds * `release_ids ()`
- PROTOBUF_NODISCARD ::briar::RecordList * `release_records ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_errors (::briar::BriarErrors *errors)`
- void `set_allocated_ids (::briar::TemplateIds *ids)`
- void `set_allocated_records (::briar::RecordList *records)`
- void `set_exists (bool value)`
- void `Swap (DatabaseLoadReply *other)`
- ::briar::BriarDurations * `unsafe_arena_release_durations ()`
- ::briar::BriarErrors * `unsafe_arena_release_errors ()`
- ::briar::TemplateIds * `unsafe_arena_release_ids ()`
- ::briar::RecordList * `unsafe_arena_release_records ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `unsafe_arena_set_allocated_ids (::briar::TemplateIds *ids)`
- void `unsafe_arena_set_allocated_records (::briar::RecordList *records)`
- void `UnsafeArenaSwap (DatabaseLoadReply *other)`
- `~DatabaseLoadReply () override`

Static Public Member Functions

- static const DatabaseLoadReply & `default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const DatabaseLoadReply * `internal_default_instance ()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- DatabaseLoadReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fService_2eprot
- void swap (DatabaseLoadReply &a, DatabaseLoadReply &b)

7.187.1 Member Enumeration Documentation

7.187.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kIdsFieldNumber	
kRecordsFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	
kExistsFieldNumber	

7.187.2 Constructor & Destructor Documentation

7.187.2.1 DatabaseLoadReply() [1/5]

```
briar::DatabaseLoadReply::DatabaseLoadReply ( ) [inline]
```

7.187.2.2 ~DatabaseLoadReply()

```
briar::DatabaseLoadReply::~DatabaseLoadReply ( ) [override]
```

7.187.2.3 DatabaseLoadReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseLoadReply::DatabaseLoadReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.187.2.4 DatabaseLoadReply() [3/5]

```
briar::DatabaseLoadReply::DatabaseLoadReply (
    const DatabaseLoadReply & from )
```

7.187.2.5 DatabaseLoadReply() [4/5]

```
briar::DatabaseLoadReply::DatabaseLoadReply (
    DatabaseLoadReply && from ) [inline], [noexcept]
```

7.187.2.6 DatabaseLoadReply() [5/5]

```
briar::DatabaseLoadReply::DatabaseLoadReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.187.3 Member Function Documentation

7.187.3.1 _InternalParse()

```
const char * briar::DatabaseLoadReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.187.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseLoadReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.187.3.3 ByteSizeLong()

```
size_t briar::DatabaseLoadReply::ByteSizeLong ( ) const [final]
```

7.187.3.4 Clear()

```
void briar::DatabaseLoadReply::Clear ( ) [final]
```

7.187.3.5 clear_durations()

```
void briar::DatabaseLoadReply::clear_durations ( )
```

7.187.3.6 clear_errors()

```
void briar::DatabaseLoadReply::clear_errors ( )
```

7.187.3.7 clear_exists()

```
void briar::DatabaseLoadReply::clear_exists ( ) [inline]
```

7.187.3.8 clear_ids()

```
void briar::DatabaseLoadReply::clear_ids ( )
```

7.187.3.9 clear_records()

```
void briar::DatabaseLoadReply::clear_records ( )
```

7.187.3.10 CopyFrom()

```
void briar::DatabaseLoadReply::CopyFrom (
    const DatabaseLoadReply & from )
```

7.187.3.11 default_instance()

```
static const DatabaseLoadReply& briar::DatabaseLoadReply::default_instance ( ) [inline],  
[static]
```

7.187.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseLoadReply::descriptor ( )  
[inline], [static]
```

7.187.3.13 durations()

```
const ::briar::BriarDurations & briar::DatabaseLoadReply::durations ( ) const [inline]
```

7.187.3.14 errors()

```
const ::briar::BriarErrors & briar::DatabaseLoadReply::errors ( ) const [inline]
```

7.187.3.15 exists()

```
bool briar::DatabaseLoadReply::exists ( ) const [inline]
```

7.187.3.16 GetCachedSize()

```
int briar::DatabaseLoadReply::GetCachedSize ( ) const [inline], [final]
```

7.187.3.17 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseLoadReply::GetClassData ( )  
const [final]
```

7.187.3.18 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseLoadReply::GetDescriptor()  
[inline], [static]
```

7.187.3.19 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseLoadReply::GetMetadata() const [final]
```

7.187.3.20 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseLoadReply::GetReflection()  
[inline], [static]
```

7.187.3.21 has_durations()

```
bool briar::DatabaseLoadReply::has_durations() const [inline]
```

7.187.3.22 has_errors()

```
bool briar::DatabaseLoadReply::has_errors() const [inline]
```

7.187.3.23 has_ids()

```
bool briar::DatabaseLoadReply::has_ids() const [inline]
```

7.187.3.24 has_records()

```
bool briar::DatabaseLoadReply::has_records() const [inline]
```

7.187.3.25 ids()

```
const ::briar::TemplateIds & briar::DatabaseLoadReply::ids () const [inline]
```

7.187.3.26 internal_default_instance()

```
static const DatabaseLoadReply* briar::DatabaseLoadReply::internal_default_instance () [inline],  
[static]
```

7.187.3.27 IsInitialized()

```
bool briar::DatabaseLoadReply::IsInitialized () const [final]
```

7.187.3.28 MergeFrom()

```
void briar::DatabaseLoadReply::MergeFrom (  
    const DatabaseLoadReply & from )
```

7.187.3.29 mutable_durations()

```
briar::BriarDurations * briar::DatabaseLoadReply::mutable_durations () [inline]
```

7.187.3.30 mutable_errors()

```
briar::BriarErrors * briar::DatabaseLoadReply::mutable_errors () [inline]
```

7.187.3.31 mutable_ids()

```
briar::TemplateIds * briar::DatabaseLoadReply::mutable_ids () [inline]
```

7.187.3.32 mutable_records()

```
briar::RecordList * briar::DatabaseLoadReply::mutable_records ( ) [inline]
```

7.187.3.33 New()

```
DatabaseLoadReply* briar::DatabaseLoadReply::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.187.3.34 operator=() [1/2]

```
DatabaseLoadReply& briar::DatabaseLoadReply::operator= ( const DatabaseLoadReply & from ) [inline]
```

7.187.3.35 operator=() [2/2]

```
DatabaseLoadReply& briar::DatabaseLoadReply::operator= ( DatabaseLoadReply && from ) [inline], [noexcept]
```

7.187.3.36 records()

```
const ::briar::RecordList & briar::DatabaseLoadReply::records ( ) const [inline]
```

7.187.3.37 release_durations()

```
briar::BriarDurations * briar::DatabaseLoadReply::release_durations ( ) [inline]
```

7.187.3.38 release_errors()

```
briar::BriarErrors * briar::DatabaseLoadReply::release_errors ( ) [inline]
```

7.187.3.39 release_ids()

```
briar::TemplateIds * briar::DatabaseLoadReply::release_ids ( ) [inline]
```

7.187.3.40 release_records()

```
briar::RecordList * briar::DatabaseLoadReply::release_records ( ) [inline]
```

7.187.3.41 set_allocated_durations()

```
void briar::DatabaseLoadReply::set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.187.3.42 set_allocated_errors()

```
void briar::DatabaseLoadReply::set_allocated_errors (   
    ::briar::BriarErrors * errors ) [inline]
```

7.187.3.43 set_allocated_ids()

```
void briar::DatabaseLoadReply::set_allocated_ids (   
    ::briar::TemplateIds * ids ) [inline]
```

7.187.3.44 set_allocated_records()

```
void briar::DatabaseLoadReply::set_allocated_records (   
    ::briar::RecordList * records ) [inline]
```

7.187.3.45 set_exists()

```
void briar::DatabaseLoadReply::set_exists (   
    bool value ) [inline]
```

7.187.3.46 Swap()

```
void briar::DatabaseLoadReply::Swap (
    DatabaseLoadReply * other ) [inline]
```

7.187.3.47 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseLoadReply::unsafe_arena_release_durations () [inline]
```

7.187.3.48 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseLoadReply::unsafe_arena_release_errors () [inline]
```

7.187.3.49 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseLoadReply::unsafe_arena_release_ids () [inline]
```

7.187.3.50 unsafe_arena_release_records()

```
briar::RecordList * briar::DatabaseLoadReply::unsafe_arena_release_records () [inline]
```

7.187.3.51 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseLoadReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.187.3.52 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseLoadReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.187.3.53 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseLoadReply::unsafe_arena_set_allocated_ids (
    ::briar::TemplateIds * ids ) [inline]
```

7.187.3.54 unsafe_arena_set_allocated_records()

```
void briar::DatabaseLoadReply::unsafe_arena_set_allocated_records (
    ::briar::RecordList * records ) [inline]
```

7.187.3.55 UnsafeArenaSwap()

```
void briar::DatabaseLoadReply::UnsafeArenaSwap (
    DatabaseLoadReply * other ) [inline]
```

7.187.4 Friends And Related Function Documentation

7.187.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.187.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.187.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.187.4.4 swap

```
void swap (
    DatabaseLoadReply & a,
    DatabaseLoadReply & b ) [friend]
```

7.187.5 Member Data Documentation

7.187.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseLoadReply::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseLoadReply::MergeImpl
}
```

7.187.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseLoadReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

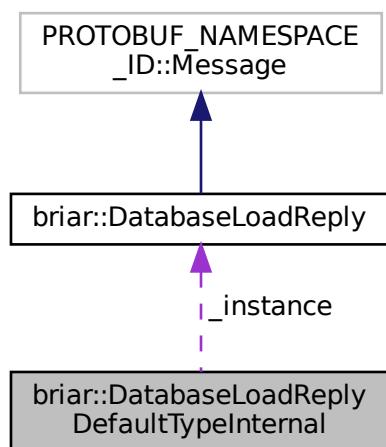
```
=
15
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.188 briar::DatabaseLoadReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseLoadReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseLoadReplyDefaultTypeInternal ()
- ~DatabaseLoadReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseLoadReply _instance
};

7.188.1 Constructor & Destructor Documentation

7.188.1.1 DatabaseLoadReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseLoadReplyDefaultTypeInternal::DatabaseLoadReplyDefaultTypeInternal ( ) [inline]
```

7.188.1.2 ~DatabaseLoadReplyDefaultTypeInternal()

```
briar::DatabaseLoadReplyDefaultTypeInternal::~DatabaseLoadReplyDefaultTypeInternal ( ) [inline]
```

7.188.2 Member Data Documentation

7.188.2.1

```
union { ... }
```

7.188.2.2 _instance

```
DatabaseLoadReply briar::DatabaseLoadReplyDefaultTypeInternal::_instance
```

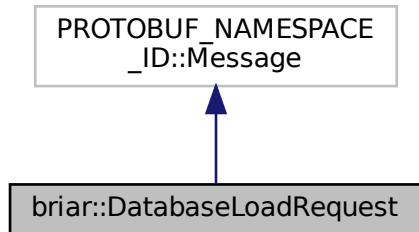
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

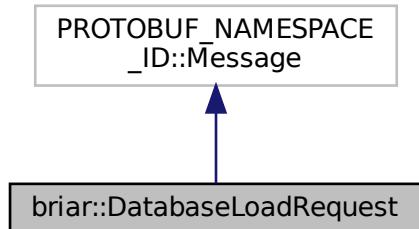
7.189 briar::DatabaseLoadRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseLoadRequest:



Collaboration diagram for briar::DatabaseLoadRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_durations` ()
- void `CopyFrom` (const `DatabaseLoadRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- `DatabaseLoadRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseLoadRequest` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized)
- `DatabaseLoadRequest` (const `DatabaseLoadRequest` &from)
- `DatabaseLoadRequest` (`DatabaseLoadRequest` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_durations` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseLoadRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDurations * `mutable_durations` ()
- `DatabaseLoadRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseLoadRequest` & `operator=` (const `DatabaseLoadRequest` &from)
- `DatabaseLoadRequest` & `operator=` (`DatabaseLoadRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- void `set_allocated_database` (::briar::BriarDatabase *database)
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `Swap` (`DatabaseLoadRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `UnsafeArenaSwap` (`DatabaseLoadRequest` *other)
- `~DatabaseLoadRequest` () override

Static Public Member Functions

- static const `DatabaseLoadRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseLoadRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [DatabaseLoadRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) (DatabaseLoadRequest &a, DatabaseLoadRequest &b)

7.189.1 Member Enumeration Documentation

7.189.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kDurationsFieldNumber	

7.189.2 Constructor & Destructor Documentation

7.189.2.1 DatabaseLoadRequest() [1/5]

```
briar::DatabaseLoadRequest::DatabaseLoadRequest ( ) [inline]
```

7.189.2.2 ~DatabaseLoadRequest()

```
briar::DatabaseLoadRequest::~DatabaseLoadRequest ( ) [override]
```

7.189.2.3 DatabaseLoadRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseLoadRequest::DatabaseLoadRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.189.2.4 DatabaseLoadRequest() [3/5]

```
briar::DatabaseLoadRequest::DatabaseLoadRequest (
    const DatabaseLoadRequest & from )
```

7.189.2.5 DatabaseLoadRequest() [4/5]

```
briar::DatabaseLoadRequest::DatabaseLoadRequest (
    DatabaseLoadRequest && from ) [inline], [noexcept]
```

7.189.2.6 DatabaseLoadRequest() [5/5]

```
briar::DatabaseLoadRequest::DatabaseLoadRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.189.3 Member Function Documentation**7.189.3.1 _InternalParse()**

```
const char * briar::DatabaseLoadRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.189.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseLoadRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.189.3.3 ByteSizeLong()

```
size_t briar::DatabaseLoadRequest::ByteSizeLong ( ) const [final]
```

7.189.3.4 Clear()

```
void briar::DatabaseLoadRequest::Clear ( ) [final]
```

7.189.3.5 clear_database()

```
void briar::DatabaseLoadRequest::clear_database ( )
```

7.189.3.6 clear_durations()

```
void briar::DatabaseLoadRequest::clear_durations ( )
```

7.189.3.7 CopyFrom()

```
void briar::DatabaseLoadRequest::CopyFrom (
    const DatabaseLoadRequest & from )
```

7.189.3.8 database()

```
const ::briar::BriarDatabase & briar::DatabaseLoadRequest::database ( ) const [inline]
```

7.189.3.9 default_instance()

```
static const DatabaseLoadRequest& briar::DatabaseLoadRequest::default_instance ( ) [inline],
[static]
```

7.189.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseLoadRequest::descriptor ( )
[inline], [static]
```

7.189.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseLoadRequest::durations () const [inline]
```

7.189.3.12 GetCachedSize()

```
int briar::DatabaseLoadRequest::GetCachedSize () const [inline], [final]
```

7.189.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseLoadRequest::GetClassData () const [final]
```

7.189.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseLoadRequest::GetDescriptor () [inline], [static]
```

7.189.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseLoadRequest::GetMetadata () const [final]
```

7.189.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseLoadRequest::GetReflection () [inline], [static]
```

7.189.3.17 has_database()

```
bool briar::DatabaseLoadRequest::has_database () const [inline]
```

7.189.3.18 has_durations()

```
bool briar::DatabaseLoadRequest::has_durations () const [inline]
```

7.189.3.19 internal_default_instance()

```
static const DatabaseLoadRequest* briar::DatabaseLoadRequest::internal_default_instance ()  
[inline], [static]
```

7.189.3.20 IsInitialized()

```
bool briar::DatabaseLoadRequest::IsInitialized () const [final]
```

7.189.3.21 MergeFrom()

```
void briar::DatabaseLoadRequest::MergeFrom (  
    const DatabaseLoadRequest & from )
```

7.189.3.22 mutable_database()

```
briar::BriarDatabase * briar::DatabaseLoadRequest::mutable_database () [inline]
```

7.189.3.23 mutable_durations()

```
briar::BriarDurations * briar::DatabaseLoadRequest::mutable_durations () [inline]
```

7.189.3.24 New()

```
DatabaseLoadRequest* briar::DatabaseLoadRequest::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.189.3.25 operator=() [1/2]

```
DatabaseLoadRequest& briar::DatabaseLoadRequest::operator= (
    const DatabaseLoadRequest & from ) [inline]
```

7.189.3.26 operator=() [2/2]

```
DatabaseLoadRequest& briar::DatabaseLoadRequest::operator= (
    DatabaseLoadRequest && from ) [inline], [noexcept]
```

7.189.3.27 release_database()

```
briar::BriarDatabase * briar::DatabaseLoadRequest::release_database ( ) [inline]
```

7.189.3.28 release_durations()

```
briar::BriarDurations * briar::DatabaseLoadRequest::release_durations ( ) [inline]
```

7.189.3.29 set_allocated_database()

```
void briar::DatabaseLoadRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.189.3.30 set_allocated_durations()

```
void briar::DatabaseLoadRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.189.3.31 Swap()

```
void briar::DatabaseLoadRequest::Swap (
    DatabaseLoadRequest * other ) [inline]
```

7.189.3.32 `unsafe_arena_release_database()`

```
briar::BriarDatabase * briar::DatabaseLoadRequest::unsafe_arena_release_database ( ) [inline]
```

7.189.3.33 `unsafe_arena_release_durations()`

```
briar::BriarDurations * briar::DatabaseLoadRequest::unsafe_arena_release_durations ( ) [inline]
```

7.189.3.34 `unsafe_arena_set_allocated_database()`

```
void briar::DatabaseLoadRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.189.3.35 `unsafe_arena_set_allocated_durations()`

```
void briar::DatabaseLoadRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.189.3.36 `UnsafeArenaSwap()`

```
void briar::DatabaseLoadRequest::UnsafeArenaSwap (
    DatabaseLoadRequest * other ) [inline]
```

7.189.4 Friends And Related Function Documentation

7.189.4.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.189.4.2 `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.189.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.189.4.4 swap

```
void swap (
    DatabaseLoadRequest & a,
    DatabaseLoadRequest & b ) [friend]
```

7.189.5 Member Data Documentation

7.189.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseLoadRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseLoadRequest::MergeImpl
}
```

7.189.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseLoadRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

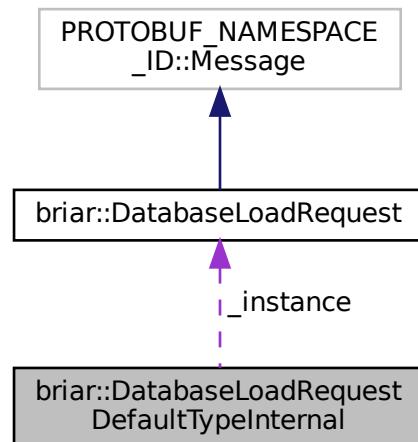
```
= 14
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.190 briar::DatabaseLoadRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseLoadRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseLoadRequestDefaultTypeInternal ()
- [~DatabaseLoadRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 DatabaseLoadRequest _instance

};

7.190.1 Constructor & Destructor Documentation

7.190.1.1 DatabaseLoadRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseLoadRequestDefaultTypeInternal::DatabaseLoadRequestDefaultTypeInternal ( ) [inline]
```

7.190.1.2 ~DatabaseLoadRequestDefaultTypeInternal()

```
briar::DatabaseLoadRequestDefaultTypeInternal::~DatabaseLoadRequestDefaultTypeInternal ( )  
[inline]
```

7.190.2 Member Data Documentation

7.190.2.1

```
union { ... }
```

7.190.2.2 _instance

```
DatabaseLoadRequest briar::DatabaseLoadRequestDefaultTypeInternal::_instance
```

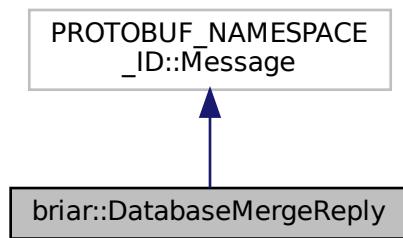
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

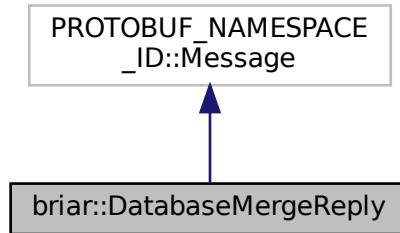
7.191 briar::DatabaseMergeReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseMergeReply:



Collaboration diagram for briar::DatabaseMergeReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kExistsFieldNumber](#) = 4 , [kDurationsFieldNumber](#) = 1 , [kEntryCountFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- void [add_exists](#) (bool value)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_entry_count](#) ()
- void [clear_exists](#) ()
- void [CopyFrom](#) (const [DatabaseMergeReply](#) &from)
- [DatabaseMergeReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseMergeReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<[Initialized](#)>)
- [DatabaseMergeReply](#) (const [DatabaseMergeReply](#) &from)
- [DatabaseMergeReply](#) ([DatabaseMergeReply](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int64_t [entry_count](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< bool > & [exists](#) () const
- bool [exists](#) (int index) const
- int [exists_size](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const

- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseMergeReply &from)`
- `::briar::BriarDurations * mutable_durations ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedField< bool > * mutable_exists ()`
- `DatabaseMergeReply * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseMergeReply & operator= (const DatabaseMergeReply &from)`
- `DatabaseMergeReply & operator= (DatabaseMergeReply &&from) noexcept`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_entry_count (int64_t value)`
- void `set_exists (int index, bool value)`
- void `Swap (DatabaseMergeReply *other)`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `UnsafeArenaSwap (DatabaseMergeReply *other)`
- `~DatabaseMergeReply () override`

Static Public Member Functions

- static const `DatabaseMergeReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DatabaseMergeReply * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseMergeReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap (DatabaseMergeReply &a, DatabaseMergeReply &b)`

7.191.1 Member Enumeration Documentation

7.191.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kExistsFieldNumber	
kDurationsFieldNumber	
kEntryCountFieldNumber	

7.191.2 Constructor & Destructor Documentation**7.191.2.1 DatabaseMergeReply() [1/5]**

```
briar::DatabaseMergeReply::DatabaseMergeReply ( ) [inline]
```

7.191.2.2 ~DatabaseMergeReply()

```
briar::DatabaseMergeReply::~DatabaseMergeReply ( ) [override]
```

7.191.2.3 DatabaseMergeReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseMergeReply::DatabaseMergeReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.191.2.4 DatabaseMergeReply() [3/5]

```
briar::DatabaseMergeReply::DatabaseMergeReply (
    const DatabaseMergeReply & from )
```

7.191.2.5 DatabaseMergeReply() [4/5]

```
briar::DatabaseMergeReply::DatabaseMergeReply (
    DatabaseMergeReply && from ) [inline], [noexcept]
```

7.191.2.6 DatabaseMergeReply() [5/5]

```
briar::DatabaseMergeReply::DatabaseMergeReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.191.3 Member Function Documentation**7.191.3.1 _InternalParse()**

```
const char * briar::DatabaseMergeReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.191.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseMergeReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.191.3.3 add_exists()

```
void briar::DatabaseMergeReply::add_exists (
    bool value ) [inline]
```

7.191.3.4 ByteSizeLong()

```
size_t briar::DatabaseMergeReply::ByteSizeLong ( ) const [final]
```

7.191.3.5 Clear()

```
void briar::DatabaseMergeReply::Clear ( ) [final]
```

7.191.3.6 clear_durations()

```
void briar::DatabaseMergeReply::clear_durations ( )
```

7.191.3.7 clear_entry_count()

```
void briar::DatabaseMergeReply::clear_entry_count ( ) [inline]
```

7.191.3.8 clear_exists()

```
void briar::DatabaseMergeReply::clear_exists ( ) [inline]
```

7.191.3.9 CopyFrom()

```
void briar::DatabaseMergeReply::CopyFrom (
    const DatabaseMergeReply & from )
```

7.191.3.10 default_instance()

```
static const DatabaseMergeReply& briar::DatabaseMergeReply::default_instance ( ) [inline],
[static]
```

7.191.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMergeReply::descriptor ( )
[inline], [static]
```

7.191.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseMergeReply::durations ( ) const [inline]
```

7.191.3.13 entry_count()

```
int64_t briar::DatabaseMergeReply::entry_count () const [inline]
```

7.191.3.14 exists() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< bool > & briar::DatabaseMergeReply::exists ()  
const [inline]
```

7.191.3.15 exists() [2/2]

```
bool briar::DatabaseMergeReply::exists (  
    int index ) const [inline]
```

7.191.3.16 exists_size()

```
int briar::DatabaseMergeReply::exists_size () const [inline]
```

7.191.3.17 GetCachedSize()

```
int briar::DatabaseMergeReply::GetCachedSize () const [inline], [final]
```

7.191.3.18 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseMergeReply::GetClassData ()  
const [final]
```

7.191.3.19 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMergeReply::GetDescriptor ()  
[inline], [static]
```

7.191.3.20 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseMergeReply::GetMetadata () const [final]
```

7.191.3.21 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseMergeReply::GetReflection () [inline], [static]
```

7.191.3.22 has_durations()

```
bool briar::DatabaseMergeReply::has_durations () const [inline]
```

7.191.3.23 internal_default_instance()

```
static const DatabaseMergeReply* briar::DatabaseMergeReply::internal_default_instance () [inline], [static]
```

7.191.3.24 IsInitialized()

```
bool briar::DatabaseMergeReply::IsInitialized () const [final]
```

7.191.3.25 MergeFrom()

```
void briar::DatabaseMergeReply::MergeFrom ( const DatabaseMergeReply & from )
```

7.191.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseMergeReply::mutable_durations () [inline]
```

7.191.3.27 mutable_exists()

```
PROTOBUF_NAMESPACE_ID::RepeatedField< bool > * briar::DatabaseMergeReply::mutable_exists ( )  
[inline]
```

7.191.3.28 New()

```
DatabaseMergeReply* briar::DatabaseMergeReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.191.3.29 operator=() [1/2]

```
DatabaseMergeReply& briar::DatabaseMergeReply::operator= (const DatabaseMergeReply & from) [inline]
```

7.191.3.30 operator=() [2/2]

```
DatabaseMergeReply& briar::DatabaseMergeReply::operator= (DatabaseMergeReply && from) [inline], [noexcept]
```

7.191.3.31 release_durations()

```
briar::BriarDurations * briar::DatabaseMergeReply::release_durations ( ) [inline]
```

7.191.3.32 set_allocated_durations()

```
void briar::DatabaseMergeReply::set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.191.3.33 set_entry_count()

```
void briar::DatabaseMergeReply::set_entry_count ( int64_t value ) [inline]
```

7.191.3.34 set_exists()

```
void briar::DatabaseMergeReply::set_exists (
    int index,
    bool value ) [inline]
```

7.191.3.35 Swap()

```
void briar::DatabaseMergeReply::Swap (
    DatabaseMergeReply * other ) [inline]
```

7.191.3.36 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseMergeReply::unsafe_arena_release_durations ( ) [inline]
```

7.191.3.37 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseMergeReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.191.3.38 UnsafeArenaSwap()

```
void briar::DatabaseMergeReply::UnsafeArenaSwap (
    DatabaseMergeReply * other ) [inline]
```

7.191.4 Friends And Related Function Documentation**7.191.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.191.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.191.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.191.4.4 swap

```
void swap (
    DatabaseMergeReply & a,
    DatabaseMergeReply & b ) [friend]
```

7.191.5 Member Data Documentation**7.191.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseMergeReply::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseMergeReply::MergeImpl
}
```

7.191.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseMergeReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

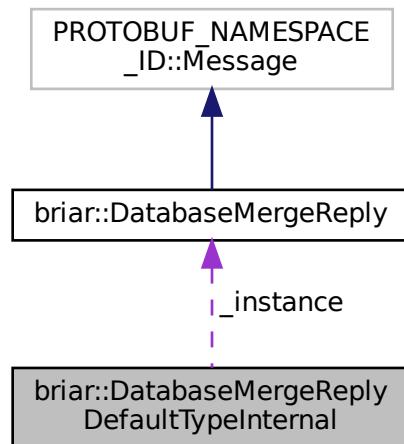
```
= 21
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.192 briar::DatabaseMergeReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseMergeReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseMergeReplyDefaultTypeInternal ()
- `~DatabaseMergeReplyDefaultTypeInternal ()`

Public Attributes

- union {
 `DatabaseMergeReply _instance`
};

7.192.1 Constructor & Destructor Documentation

7.192.1.1 DatabaseMergeReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseMergeReplyDefaultTypeInternal::DatabaseMergeReplyDefaultTypeInternal ( ) [inline]
```

7.192.1.2 ~DatabaseMergeReplyDefaultTypeInternal()

```
briar::DatabaseMergeReplyDefaultTypeInternal::~DatabaseMergeReplyDefaultTypeInternal () [inline]
```

7.192.2 Member Data Documentation

7.192.2.1

```
union { ... }
```

7.192.2.2 _instance

```
DatabaseMergeReply briar::DatabaseMergeReplyDefaultTypeInternal::_instance
```

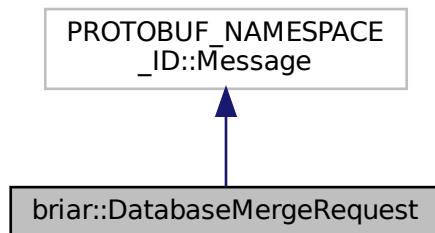
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar_service.pb.cc

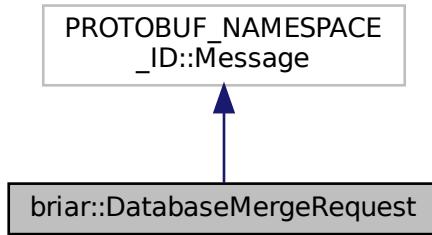
7.193 briar::DatabaseMergeRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseMergeRequest:



Collaboration diagram for briar::DatabaseMergeRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseListFieldNumber](#) = 1 , [kOutputDatabaseFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 3 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::BriarDatabase * [add_database_list](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database_list](#) ()
- void [clear_durations](#) ()
- void [clear_output_database](#) ()
- void [CopyFrom](#) (const DatabaseMergeRequest &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDatabase > & [database_list](#) () const
- const ::briar::BriarDatabase & [database_list](#) (int index) const
- int [database_list_size](#) () const
- DatabaseMergeRequest ()
- PROTOBUF_CONSTEXPR DatabaseMergeRequest (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- DatabaseMergeRequest (const DatabaseMergeRequest &from)
- DatabaseMergeRequest (DatabaseMergeRequest &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const

- bool `has_output_database () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseMergeRequest &from)`
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDatabase > * `mutable_database_list ()`
- ::briar::BriarDatabase * `mutable_database_list (int index)`
- ::briar::BriarDurations * `mutable_durations ()`
- ::briar::BriarDatabase * `mutable_output_database ()`
- DatabaseMergeRequest * `New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- DatabaseMergeRequest & `operator= (const DatabaseMergeRequest &from)`
- DatabaseMergeRequest & `operator= (DatabaseMergeRequest &&from) noexcept`
- const ::briar::BriarDatabase & `output_database () const`
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations ()`
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_output_database ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_output_database (::briar::BriarDatabase *output_database)`
- void `Swap (DatabaseMergeRequest *other)`
- ::briar::BriarDurations * `unsafe_arena_release_durations ()`
- ::briar::BriarDatabase * `unsafe_arena_release_output_database ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_output_database (::briar::BriarDatabase *output_database)`
- void `UnsafeArenaSwap (DatabaseMergeRequest *other)`
- `~DatabaseMergeRequest () override`

Static Public Member Functions

- static const DatabaseMergeRequest & `default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const DatabaseMergeRequest * `internal_default_instance ()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- DatabaseMergeRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void `swap (DatabaseMergeRequest &a, DatabaseMergeRequest &b)`

7.193.1 Member Enumeration Documentation

7.193.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseListFieldNumber	
kOutputDatabaseFieldNumber	
kDurationsFieldNumber	

7.193.2 Constructor & Destructor Documentation

7.193.2.1 DatabaseMergeRequest() [1/5]

```
briar::DatabaseMergeRequest::DatabaseMergeRequest ( ) [inline]
```

7.193.2.2 ~DatabaseMergeRequest()

```
briar::DatabaseMergeRequest::~DatabaseMergeRequest ( ) [override]
```

7.193.2.3 DatabaseMergeRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseMergeRequest::DatabaseMergeRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.193.2.4 DatabaseMergeRequest() [3/5]

```
briar::DatabaseMergeRequest::DatabaseMergeRequest (
    const DatabaseMergeRequest & from )
```

7.193.2.5 DatabaseMergeRequest() [4/5]

```
briar::DatabaseMergeRequest::DatabaseMergeRequest (
    DatabaseMergeRequest && from ) [inline], [noexcept]
```

7.193.2.6 DatabaseMergeRequest() [5/5]

```
briar::DatabaseMergeRequest::DatabaseMergeRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.193.3 Member Function Documentation

7.193.3.1 _InternalParse()

```
const char * briar::DatabaseMergeRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.193.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseMergeRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.193.3.3 add_database_list()

```
briar::BriarDatabase * briar::DatabaseMergeRequest::add_database_list () [inline]
```

7.193.3.4 ByteSizeLong()

```
size_t briar::DatabaseMergeRequest::ByteSizeLong () const [final]
```

7.193.3.5 Clear()

```
void briar::DatabaseMergeRequest::Clear () [final]
```

7.193.3.6 clear_database_list()

```
void briar::DatabaseMergeRequest::clear_database_list ( )
```

7.193.3.7 clear_durations()

```
void briar::DatabaseMergeRequest::clear_durations ( )
```

7.193.3.8 clear_output_database()

```
void briar::DatabaseMergeRequest::clear_output_database ( )
```

7.193.3.9 CopyFrom()

```
void briar::DatabaseMergeRequest::CopyFrom (
    const DatabaseMergeRequest & from )
```

7.193.3.10 database_list() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDatabase> & briar::DatabaseMergeRequest::database_list ( ) const [inline]
```

7.193.3.11 database_list() [2/2]

```
const ::briar::BriarDatabase & briar::DatabaseMergeRequest::database_list (
    int index ) const [inline]
```

7.193.3.12 database_list_size()

```
int briar::DatabaseMergeRequest::database_list_size ( ) const [inline]
```

7.193.3.13 default_instance()

```
static const DatabaseMergeRequest& briar::DatabaseMergeRequest::default_instance () [inline],  
[static]
```

7.193.3.14 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMergeRequest::descriptor ()  
[inline], [static]
```

7.193.3.15 durations()

```
const ::briar::BriarDurations & briar::DatabaseMergeRequest::durations () const [inline]
```

7.193.3.16 GetCachedSize()

```
int briar::DatabaseMergeRequest::GetCachedSize () const [inline], [final]
```

7.193.3.17 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseMergeRequest::GetClassData  
( ) const [final]
```

7.193.3.18 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMergeRequest::GetDescriptor ()  
[inline], [static]
```

7.193.3.19 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseMergeRequest::GetMetadata () const [final]
```

7.193.3.20 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseMergeRequest::GetReflection ( ) [inline], [static]
```

7.193.3.21 has_durations()

```
bool briar::DatabaseMergeRequest::has_durations ( ) const [inline]
```

7.193.3.22 has_output_database()

```
bool briar::DatabaseMergeRequest::has_output_database ( ) const [inline]
```

7.193.3.23 internal_default_instance()

```
static const DatabaseMergeRequest* briar::DatabaseMergeRequest::internal_default_instance ( ) [inline], [static]
```

7.193.3.24 IsInitialized()

```
bool briar::DatabaseMergeRequest::IsInitialized ( ) const [final]
```

7.193.3.25 MergeFrom()

```
void briar::DatabaseMergeRequest::MergeFrom ( const DatabaseMergeRequest & from )
```

7.193.3.26 mutable_database_list() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDatabase> * briar::DatabaseMergeRequest::mutable_database_list ( ) [inline]
```

7.193.3.27 mutable_database_list() [2/2]

```
briar::BriarDatabase * briar::DatabaseMergeRequest::mutable_database_list (
    int index )  [inline]
```

7.193.3.28 mutable_durations()

```
briar::BriarDurations * briar::DatabaseMergeRequest::mutable_durations ( )  [inline]
```

7.193.3.29 mutable_output_database()

```
briar::BriarDatabase * briar::DatabaseMergeRequest::mutable_output_database ( )  [inline]
```

7.193.3.30 New()

```
DatabaseMergeRequest* briar::DatabaseMergeRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const  [inline], [final]
```

7.193.3.31 operator=() [1/2]

```
DatabaseMergeRequest& briar::DatabaseMergeRequest::operator= (
    const DatabaseMergeRequest & from )  [inline]
```

7.193.3.32 operator=() [2/2]

```
DatabaseMergeRequest& briar::DatabaseMergeRequest::operator= (
    DatabaseMergeRequest && from )  [inline], [noexcept]
```

7.193.3.33 output_database()

```
const ::briar::BriarDatabase & briar::DatabaseMergeRequest::output_database ( ) const  [inline]
```

7.193.3.34 release_durations()

```
briar::BriarDurations * briar::DatabaseMergeRequest::release_durations ( ) [inline]
```

7.193.3.35 release_output_database()

```
briar::BriarDatabase * briar::DatabaseMergeRequest::release_output_database ( ) [inline]
```

7.193.3.36 set_allocated_durations()

```
void briar::DatabaseMergeRequest::set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.193.3.37 set_allocated_output_database()

```
void briar::DatabaseMergeRequest::set_allocated_output_database (   
    ::briar::BriarDatabase * output_database ) [inline]
```

7.193.3.38 Swap()

```
void briar::DatabaseMergeRequest::Swap (   
    DatabaseMergeRequest * other ) [inline]
```

7.193.3.39 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseMergeRequest::unsafe_arena_release_durations ( ) [inline]
```

7.193.3.40 unsafe_arena_release_output_database()

```
briar::BriarDatabase * briar::DatabaseMergeRequest::unsafe_arena_release_output_database ( )  
[inline]
```

7.193.3.41 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseMergeRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.193.3.42 unsafe_arena_set_allocated_output_database()

```
void briar::DatabaseMergeRequest::unsafe_arena_set_allocated_output_database (
    ::briar::BriarDatabase * output_database ) [inline]
```

7.193.3.43 UnsafeArenaSwap()

```
void briar::DatabaseMergeRequest::UnsafeArenaSwap (
    DatabaseMergeRequest * other ) [inline]
```

7.193.4 Friends And Related Function Documentation**7.193.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.193.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.193.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.193.4.4 swap

```
void swap (
    DatabaseMergeRequest & a,
    DatabaseMergeRequest & b ) [friend]
```

7.193.5 Member Data Documentation

7.193.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseMergeRequest::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseMergeRequest::MergeImpl
}
```

7.193.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseMergeRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

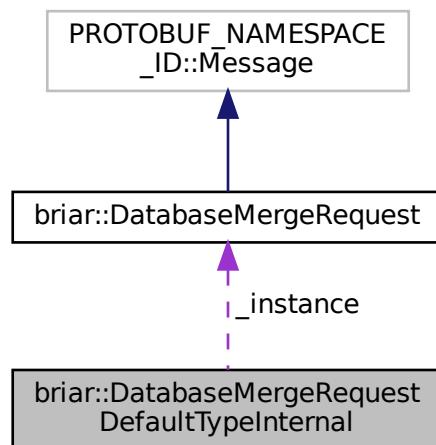
```
=
20
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.194 briar::DatabaseMergeRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseMergeRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseMergeRequestDefaultTypeInternal ()
- ~DatabaseMergeRequestDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseMergeRequest _instance
};

7.194.1 Constructor & Destructor Documentation

7.194.1.1 DatabaseMergeRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseMergeRequestDefaultTypeInternal::DatabaseMergeRequestDefaultTypeInternal ( ) [inline]
```

7.194.1.2 ~DatabaseMergeRequestDefaultTypeInternal()

```
briar::DatabaseMergeRequestDefaultTypeInternal::~DatabaseMergeRequestDefaultTypeInternal ( ) [inline]
```

7.194.2 Member Data Documentation

7.194.2.1

```
union { ... }
```

7.194.2.2 _instance

```
DatabaseMergeRequest briar::DatabaseMergeRequestDefaultTypeInternal::_instance
```

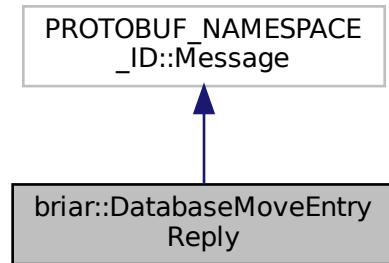
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

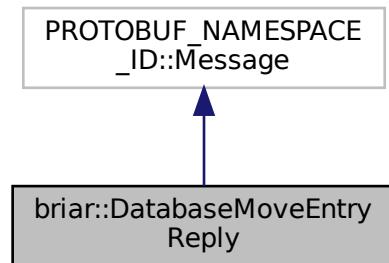
7.195 briar::DatabaseMoveEntryReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseMoveEntryReply:



Collaboration diagram for briar::DatabaseMoveEntryReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kProgressFieldNumber](#) = 2 , [kSuccessFieldNumber](#) = 1 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_progress` ()
- void `clear_success` ()
- void `CopyFrom` (const `DatabaseMoveEntryReply` &from)
- `DatabaseMoveEntryReply` ()
- PROTOBUF_CONSTEXPR `DatabaseMoveEntryReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseMoveEntryReply` (const `DatabaseMoveEntryReply` &from)
- `DatabaseMoveEntryReply` (`DatabaseMoveEntryReply` &&from) noexcept
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_progress` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseMoveEntryReply` &from)
- ::briar::BriarProgress * `mutable_progress` ()
- `DatabaseMoveEntryReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseMoveEntryReply` & `operator=` (const `DatabaseMoveEntryReply` &from)
- `DatabaseMoveEntryReply` & `operator=` (`DatabaseMoveEntryReply` &&from) noexcept
- const ::briar::BriarProgress & `progress` () const
- PROTOBUF_NODISCARD ::briar::BriarProgress * `release_progress` ()
- void `set_allocated_progress` (::briar::BriarProgress *progress)
- void `set_success` (bool value)
- bool `success` () const
- void `Swap` (`DatabaseMoveEntryReply` *other)
- ::briar::BriarProgress * `unsafe_arena_release_progress` ()
- void `unsafe_arena_set_allocated_progress` (::briar::BriarProgress *progress)
- void `UnsafeArenaSwap` (`DatabaseMoveEntryReply` *other)
- `~DatabaseMoveEntryReply` () override

Static Public Member Functions

- static const `DatabaseMoveEntryReply` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseMoveEntryReply` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseMoveEntryReply` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned=false`)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eprot
- void swap (DatabaseMoveEntryReply &a, DatabaseMoveEntryReply &b)

7.195.1 Member Enumeration Documentation

7.195.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kProgressFieldNumber	
kSuccessFieldNumber	

7.195.2 Constructor & Destructor Documentation

7.195.2.1 DatabaseMoveEntryReply() [1/5]

```
briar::DatabaseMoveEntryReply::DatabaseMoveEntryReply ( ) [inline]
```

7.195.2.2 ~DatabaseMoveEntryReply()

```
briar::DatabaseMoveEntryReply::~DatabaseMoveEntryReply ( ) [override]
```

7.195.2.3 DatabaseMoveEntryReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseMoveEntryReply::DatabaseMoveEntryReply ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.195.2.4 DatabaseMoveEntryReply() [3/5]

```
briar::DatabaseMoveEntryReply::DatabaseMoveEntryReply (
    const DatabaseMoveEntryReply & from )
```

7.195.2.5 DatabaseMoveEntryReply() [4/5]

```
briar::DatabaseMoveEntryReply::DatabaseMoveEntryReply (
    DatabaseMoveEntryReply && from ) [inline], [noexcept]
```

7.195.2.6 DatabaseMoveEntryReply() [5/5]

```
briar::DatabaseMoveEntryReply::DatabaseMoveEntryReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.195.3 Member Function Documentation

7.195.3.1 _InternalParse()

```
const char * briar::DatabaseMoveEntryReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.195.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseMoveEntryReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.195.3.3 ByteSizeLong()

```
size_t briar::DatabaseMoveEntryReply::ByteSizeLong ( ) const [final]
```

7.195.3.4 Clear()

```
void briar::DatabaseMoveEntryReply::Clear ( ) [final]
```

7.195.3.5 clear_progress()

```
void briar::DatabaseMoveEntryReply::clear_progress ( )
```

7.195.3.6 clear_success()

```
void briar::DatabaseMoveEntryReply::clear_success ( ) [inline]
```

7.195.3.7 CopyFrom()

```
void briar::DatabaseMoveEntryReply::CopyFrom (
    const DatabaseMoveEntryReply & from )
```

7.195.3.8 default_instance()

```
static const DatabaseMoveEntryReply& briar::DatabaseMoveEntryReply::default_instance ( ) [inline],
[static]
```

7.195.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMoveEntryReply::descriptor (
) [inline], [static]
```

7.195.3.10 GetCachedSize()

```
int briar::DatabaseMoveEntryReply::GetCachedSize ( ) const [inline], [final]
```

7.195.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseMoveEntryReply::GetClassData ( ) const [final]
```

7.195.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMoveEntryReply::GetDescriptor ( ) [inline], [static]
```

7.195.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseMoveEntryReply::GetMetadata ( ) const [final]
```

7.195.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseMoveEntryReply::GetReflection ( ) [inline], [static]
```

7.195.3.15 has_progress()

```
bool briar::DatabaseMoveEntryReply::has_progress ( ) const [inline]
```

7.195.3.16 internal_default_instance()

```
static const DatabaseMoveEntryReply* briar::DatabaseMoveEntryReply::internal_default_instance ( ) [inline], [static]
```

7.195.3.17 IsInitialized()

```
bool briar::DatabaseMoveEntryReply::IsInitialized ( ) const [final]
```

7.195.3.18 MergeFrom()

```
void briar::DatabaseMoveEntryReply::MergeFrom (
    const DatabaseMoveEntryReply & from )
```

7.195.3.19 mutable_progress()

```
briar::BriarProgress * briar::DatabaseMoveEntryReply::mutable_progress ( ) [inline]
```

7.195.3.20 New()

```
DatabaseMoveEntryReply* briar::DatabaseMoveEntryReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.195.3.21 operator=() [1/2]

```
DatabaseMoveEntryReply& briar::DatabaseMoveEntryReply::operator= (
    const DatabaseMoveEntryReply & from ) [inline]
```

7.195.3.22 operator=() [2/2]

```
DatabaseMoveEntryReply& briar::DatabaseMoveEntryReply::operator= (
    DatabaseMoveEntryReply && from ) [inline], [noexcept]
```

7.195.3.23 progress()

```
const ::briar::BriarProgress & briar::DatabaseMoveEntryReply::progress ( ) const [inline]
```

7.195.3.24 release_progress()

```
briar::BriarProgress * briar::DatabaseMoveEntryReply::release_progress ( ) [inline]
```

7.195.3.25 set_allocated_progress()

```
void briar::DatabaseMoveEntryReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.195.3.26 set_success()

```
void briar::DatabaseMoveEntryReply::set_success (
    bool value ) [inline]
```

7.195.3.27 success()

```
bool briar::DatabaseMoveEntryReply::success () const [inline]
```

7.195.3.28 Swap()

```
void briar::DatabaseMoveEntryReply::Swap (
    DatabaseMoveEntryReply * other ) [inline]
```

7.195.3.29 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::DatabaseMoveEntryReply::unsafe_arena_release_progress () [inline]
```

7.195.3.30 unsafe_arena_set_allocated_progress()

```
void briar::DatabaseMoveEntryReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.195.3.31 UnsafeArenaSwap()

```
void briar::DatabaseMoveEntryReply::UnsafeArenaSwap (
    DatabaseMoveEntryReply * other ) [inline]
```

7.195.4 Friends And Related Function Documentation

7.195.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.195.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.195.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.195.4.4 swap

```
void swap (
    DatabaseMoveEntryReply & a,
    DatabaseMoveEntryReply & b ) [friend]
```

7.195.5 Member Data Documentation

7.195.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseMoveEntryReply::_class_data←
- [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseMoveEntryReply::MergeImpl
}
```

7.195.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseMoveEntryReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

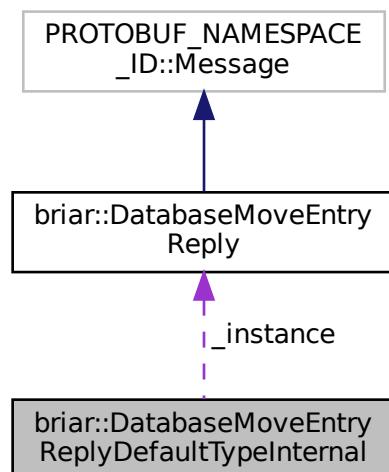
```
= 54
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.196 briar::DatabaseMoveEntryReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseMoveEntryReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseMoveEntryReplyDefaultTypeInternal ()
- [~DatabaseMoveEntryReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [DatabaseMoveEntryReply _instance](#)
};

7.196.1 Constructor & Destructor Documentation

7.196.1.1 DatabaseMoveEntryReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseMoveEntryReplyDefaultTypeInternal::DatabaseMoveEntryReply←
DefaultTypeInternal ( ) [inline]
```

7.196.1.2 ~DatabaseMoveEntryReplyDefaultTypeInternal()

```
briar::DatabaseMoveEntryReplyDefaultTypeInternal::~DatabaseMoveEntryReplyDefaultTypeInternal ( )
) [inline]
```

7.196.2 Member Data Documentation

7.196.2.1

```
union { ... }
```

7.196.2.2 _instance

[DatabaseMoveEntryReply](#) briar::DatabaseMoveEntryReplyDefaultTypeInternal::_instance

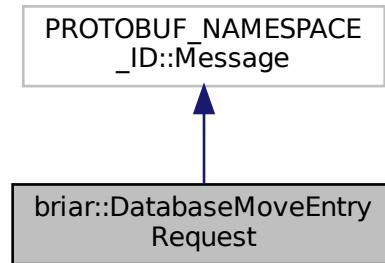
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

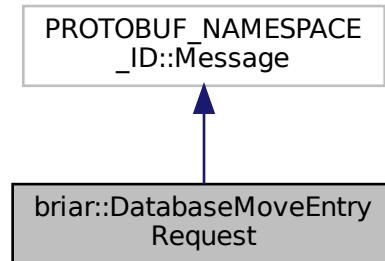
7.197 briar::DatabaseMoveEntryRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseMoveEntryRequest:



Collaboration diagram for briar::DatabaseMoveEntryRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { `kEntryIdFieldNumber` = 3 , `kFromDatabaseFieldNumber` = 1 , `kToDatabaseFieldNumber` = 2 , `kShouldCopyFieldNumber` = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_entry_id` ()
- void `clear_from_database` ()
- void `clear_should_copy` ()
- void `clear_to_database` ()
- void `CopyFrom` (const `DatabaseMoveEntryRequest` &from)
- `DatabaseMoveEntryRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseMoveEntryRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseMoveEntryRequest` (const `DatabaseMoveEntryRequest` &from)
- `DatabaseMoveEntryRequest` (`DatabaseMoveEntryRequest` &&from) noexcept
- const std::string & `entry_id` () const
- const ::briar::BriarDatabase & `from_database` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_from_database` () const
- bool `has_to_database` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseMoveEntryRequest` &from)
- std::string * `mutable_entry_id` ()
- ::briar::BriarDatabase * `mutable_from_database` ()
- ::briar::BriarDatabase * `mutable_to_database` ()
- `DatabaseMoveEntryRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseMoveEntryRequest` & `operator=` (const `DatabaseMoveEntryRequest` &from)
- `DatabaseMoveEntryRequest` & `operator=` (`DatabaseMoveEntryRequest` &&from) noexcept
- PROTOBUF_NODISCARD std::string * `release_entry_id` ()
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_from_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_to_database` ()
- void `set_allocated_entry_id` (std::string *entry_id)
- void `set_allocated_from_database` (::briar::BriarDatabase *from_database)
- void `set_allocated_to_database` (::briar::BriarDatabase *to_database)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_entry_id` (ArgT0 &&arg0, ArgT... args)
- void `set_should_copy` (bool value)
- bool `should_copy` () const
- void `Swap` (`DatabaseMoveEntryRequest` *other)
- const ::briar::BriarDatabase & `to_database` () const
- ::briar::BriarDatabase * `unsafe_arena_release_from_database` ()
- ::briar::BriarDatabase * `unsafe_arena_release_to_database` ()
- void `unsafe_arena_set_allocated_from_database` (::briar::BriarDatabase *from_database)
- void `unsafe_arena_set_allocated_to_database` (::briar::BriarDatabase *to_database)
- void `UnsafeArenaSwap` (`DatabaseMoveEntryRequest` *other)
- `~DatabaseMoveEntryRequest` () override

Static Public Member Functions

- static const [DatabaseMoveEntryRequest & default_instance \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection \(\)](#)
- static const [DatabaseMoveEntryRequest * internal_default_instance \(\)](#)

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseMoveEntryRequest \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T>
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void [swap \(DatabaseMoveEntryRequest &a, DatabaseMoveEntryRequest &b\)](#)

7.197.1 Member Enumeration Documentation

7.197.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kEntryIdFieldNumber	
kFromDatabaseFieldNumber	
kToDatabaseFieldNumber	
kShouldCopyFieldNumber	

7.197.2 Constructor & Destructor Documentation

7.197.2.1 DatabaseMoveEntryRequest() [1/5]

```
briar::DatabaseMoveEntryRequest::DatabaseMoveEntryRequest ( ) [inline]
```

7.197.2.2 ~DatabaseMoveEntryRequest()

```
briar::DatabaseMoveEntryRequest::~DatabaseMoveEntryRequest ( ) [override]
```

7.197.2.3 DatabaseMoveEntryRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseMoveEntryRequest::DatabaseMoveEntryRequest ( 
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.197.2.4 DatabaseMoveEntryRequest() [3/5]

```
briar::DatabaseMoveEntryRequest::DatabaseMoveEntryRequest ( 
    const DatabaseMoveEntryRequest & from )
```

7.197.2.5 DatabaseMoveEntryRequest() [4/5]

```
briar::DatabaseMoveEntryRequest::DatabaseMoveEntryRequest ( 
    DatabaseMoveEntryRequest && from ) [inline], [noexcept]
```

7.197.2.6 DatabaseMoveEntryRequest() [5/5]

```
briar::DatabaseMoveEntryRequest::DatabaseMoveEntryRequest ( 
    ::PROTOBUF_NAMESPACE_ID::Arena * arena, 
    bool is_message_owned = false ) [explicit], [protected]
```

7.197.3 Member Function Documentation

7.197.3.1 `_InternalParse()`

```
const char * briar::DatabaseMoveEntryRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.197.3.2 `_InternalSerialize()`

```
uint8_t * briar::DatabaseMoveEntryRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.197.3.3 `ByteSizeLong()`

```
size_t briar::DatabaseMoveEntryRequest::ByteSizeLong ( ) const [final]
```

7.197.3.4 `Clear()`

```
void briar::DatabaseMoveEntryRequest::Clear ( ) [final]
```

7.197.3.5 `clear_entry_id()`

```
void briar::DatabaseMoveEntryRequest::clear_entry_id ( ) [inline]
```

7.197.3.6 `clear_from_database()`

```
void briar::DatabaseMoveEntryRequest::clear_from_database ( )
```

7.197.3.7 `clear_should_copy()`

```
void briar::DatabaseMoveEntryRequest::clear_should_copy ( ) [inline]
```

7.197.3.8 clear_to_database()

```
void briar::DatabaseMoveEntryRequest::clear_to_database ( )
```

7.197.3.9 CopyFrom()

```
void briar::DatabaseMoveEntryRequest::CopyFrom (
    const DatabaseMoveEntryRequest & from )
```

7.197.3.10 default_instance()

```
static const DatabaseMoveEntryRequest& briar::DatabaseMoveEntryRequest::default_instance ( )
[inline], [static]
```

7.197.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMoveEntryRequest::descriptor
( ) [inline], [static]
```

7.197.3.12 entry_id()

```
const std::string & briar::DatabaseMoveEntryRequest::entry_id ( ) const [inline]
```

7.197.3.13 from_database()

```
const ::briar::BriarDatabase & briar::DatabaseMoveEntryRequest::from_database ( ) const [inline]
```

7.197.3.14 GetCachedSize()

```
int briar::DatabaseMoveEntryRequest::GetCachedSize ( ) const [inline], [final]
```

7.197.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseMoveEntryRequest::GetClassData ( ) const [final]
```

7.197.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseMoveEntryRequest::GetDescriptor ( ) [inline], [static]
```

7.197.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseMoveEntryRequest::GetMetadata ( ) const [final]
```

7.197.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseMoveEntryRequest::GetReflection ( ) [inline], [static]
```

7.197.3.19 has_from_database()

```
bool briar::DatabaseMoveEntryRequest::has_from_database ( ) const [inline]
```

7.197.3.20 has_to_database()

```
bool briar::DatabaseMoveEntryRequest::has_to_database ( ) const [inline]
```

7.197.3.21 internal_default_instance()

```
static const DatabaseMoveEntryRequest* briar::DatabaseMoveEntryRequest::internal_default_instance ( ) [inline], [static]
```

7.197.3.22 IsInitialized()

```
bool briar::DatabaseMoveEntryRequest::IsInitialized ( ) const [final]
```

7.197.3.23 MergeFrom()

```
void briar::DatabaseMoveEntryRequest::MergeFrom (
    const DatabaseMoveEntryRequest & from )
```

7.197.3.24 mutable_entry_id()

```
std::string * briar::DatabaseMoveEntryRequest::mutable_entry_id ( ) [inline]
```

7.197.3.25 mutable_from_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::mutable_from_database ( ) [inline]
```

7.197.3.26 mutable_to_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::mutable_to_database ( ) [inline]
```

7.197.3.27 New()

```
DatabaseMoveEntryRequest* briar::DatabaseMoveEntryRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.197.3.28 operator=() [1/2]

```
DatabaseMoveEntryRequest& briar::DatabaseMoveEntryRequest::operator= (
    const DatabaseMoveEntryRequest & from ) [inline]
```

7.197.3.29 operator=() [2/2]

```
DatabaseMoveEntryRequest& briar::DatabaseMoveEntryRequest::operator= (
    DatabaseMoveEntryRequest && from ) [inline], [noexcept]
```

7.197.3.30 release_entry_id()

```
std::string * briar::DatabaseMoveEntryRequest::release_entry_id ( ) [inline]
```

7.197.3.31 release_from_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::release_from_database ( ) [inline]
```

7.197.3.32 release_to_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::release_to_database ( ) [inline]
```

7.197.3.33 set_allocated_entry_id()

```
void briar::DatabaseMoveEntryRequest::set_allocated_entry_id (
    std::string * entry_id ) [inline]
```

7.197.3.34 set_allocated_from_database()

```
void briar::DatabaseMoveEntryRequest::set_allocated_from_database (
    ::briar::BriarDatabase * from_database ) [inline]
```

7.197.3.35 set_allocated_to_database()

```
void briar::DatabaseMoveEntryRequest::set_allocated_to_database (
    ::briar::BriarDatabase * to_database ) [inline]
```

7.197.3.36 set_entry_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DatabaseMoveEntryRequest::set_entry_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.197.3.37 set_entry_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DatabaseMoveEntryRequest::set_entry_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.197.3.38 set_should_copy()

```
void briar::DatabaseMoveEntryRequest::set_should_copy (
    bool value ) [inline]
```

7.197.3.39 should_copy()

```
bool briar::DatabaseMoveEntryRequest::should_copy ( ) const [inline]
```

7.197.3.40 Swap()

```
void briar::DatabaseMoveEntryRequest::Swap (
    DatabaseMoveEntryRequest * other ) [inline]
```

7.197.3.41 to_database()

```
const ::briar::BriarDatabase & briar::DatabaseMoveEntryRequest::to_database ( ) const [inline]
```

7.197.3.42 unsafe_arena_release_from_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::unsafe_arena_release_from_database ( )
[inline]
```

7.197.3.43 unsafe_arena_release_to_database()

```
briar::BriarDatabase * briar::DatabaseMoveEntryRequest::unsafe_arena_release_to_database ( )  
[inline]
```

7.197.3.44 unsafe_arena_set_allocated_from_database()

```
void briar::DatabaseMoveEntryRequest::unsafe_arena_set_allocated_from_database (  
    ::briar::BriarDatabase * from_database ) [inline]
```

7.197.3.45 unsafe_arena_set_allocated_to_database()

```
void briar::DatabaseMoveEntryRequest::unsafe_arena_set_allocated_to_database (   
    ::briar::BriarDatabase * to_database ) [inline]
```

7.197.3.46 UnsafeArenaSwap()

```
void briar::DatabaseMoveEntryRequest::UnsafeArenaSwap (   
    DatabaseMoveEntryRequest * other ) [inline]
```

7.197.4 Friends And Related Function Documentation

7.197.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >  
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.197.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.197.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.197.4.4 swap

```
void swap (
    DatabaseMoveEntryRequest & a,
    DatabaseMoveEntryRequest & b ) [friend]
```

7.197.5 Member Data Documentation

7.197.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseMoveEntryRequest::_class_<->
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseMoveEntryRequest::MergeImpl
}
```

7.197.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseMoveEntryRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

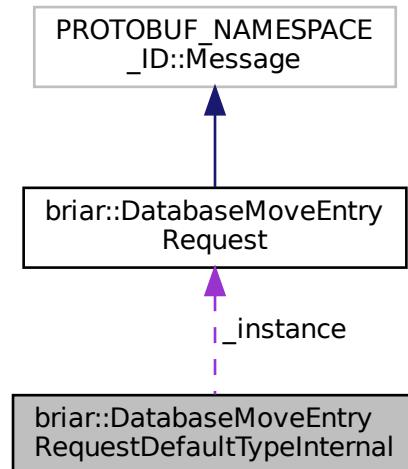
```
= 52
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.198 briar::DatabaseMoveEntryRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseMoveEntryRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseMoveEntryRequestDefaultTypeInternal ()
- ~DatabaseMoveEntryRequestDefaultTypeInternal ()

Public Attributes

- union {

 DatabaseMoveEntryRequest _instance

};

7.198.1 Constructor & Destructor Documentation

7.198.1.1 DatabaseMoveEntryRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseMoveEntryRequestDefaultTypeInternal::DatabaseMoveEntryRequestDefaultTypeInternal ( ) [inline]
```

7.198.1.2 ~DatabaseMoveEntryRequestDefaultTypeInternal()

```
briar::DatabaseMoveEntryRequestDefaultTypeInternal::~DatabaseMoveEntryRequestDefaultTypeInternal ( ) [inline]
```

7.198.2 Member Data Documentation

7.198.2.1

```
union { ... }
```

7.198.2.2 _instance

```
DatabaseMoveEntryRequest briar::DatabaseMoveEntryRequestDefaultTypeInternal::_instance
```

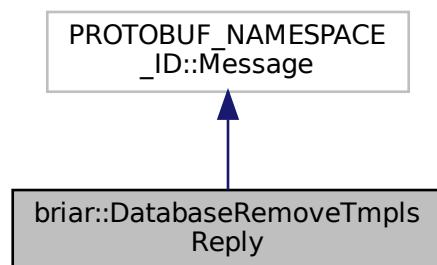
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

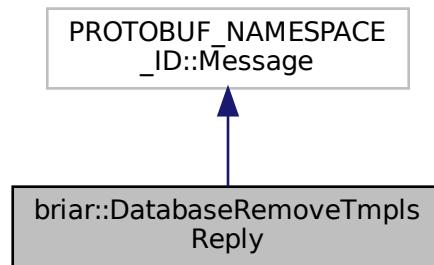
7.199 briar::DatabaseRemoveTmplsReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRemoveTmplsReply:



Collaboration diagram for briar::DatabaseRemoveTmplsReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [CopyFrom](#) (const [DatabaseRemoveTmplsReply](#) &from)
- [DatabaseRemoveTmplsReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseRemoveTmplsReply](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [DatabaseRemoveTmplsReply](#) (const [DatabaseRemoveTmplsReply](#) &from)
- [DatabaseRemoveTmplsReply](#) ([DatabaseRemoveTmplsReply](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [DatabaseRemoveTmplsReply](#) &from)
- ::briar::BriarDurations * [mutable_durations](#) ()

- ::briar::BriarErrors * **mutable_errors** ()
- DatabaseRemoveTmplsReply * **New** (:PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- DatabaseRemoveTmplsReply & **operator=** (const DatabaseRemoveTmplsReply &from)
- DatabaseRemoveTmplsReply & **operator=** (DatabaseRemoveTmplsReply &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * **release_durations** ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * **release_errors** ()
- void **set_allocated_durations** (::briar::BriarDurations *durations)
- void **set_allocated_errors** (::briar::BriarErrors *errors)
- void **Swap** (DatabaseRemoveTmplsReply *other)
- ::briar::BriarDurations * **unsafe_arena_release_durations** ()
- ::briar::BriarErrors * **unsafe_arena_release_errors** ()
- void **unsafe_arena_set_allocated_durations** (::briar::BriarDurations *durations)
- void **unsafe_arena_set_allocated_errors** (::briar::BriarErrors *errors)
- void **UnsafeArenaSwap** (DatabaseRemoveTmplsReply *other)
- ~DatabaseRemoveTmplsReply () override

Static Public Member Functions

- static const DatabaseRemoveTmplsReply & **default_instance** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **descriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **GetDescriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * **GetReflection** ()
- static const DatabaseRemoveTmplsReply * **internal_default_instance** ()

Static Public Attributes

- static const ClassData **_class_data**
- static constexpr int **kIndexInFileMessages**

Protected Member Functions

- DatabaseRemoveTmplsReply (:PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void **swap** (DatabaseRemoveTmplsReply &a, DatabaseRemoveTmplsReply &b)

7.199.1 Member Enumeration Documentation

7.199.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDurationsFieldNumber	
kErrorsFieldNumber	

7.199.2 Constructor & Destructor Documentation

7.199.2.1 DatabaseRemoveTmplsReply() [1/5]

```
briar::DatabaseRemoveTmplsReply::DatabaseRemoveTmplsReply ( ) [inline]
```

7.199.2.2 ~DatabaseRemoveTmplsReply()

```
briar::DatabaseRemoveTmplsReply::~DatabaseRemoveTmplsReply ( ) [override]
```

7.199.2.3 DatabaseRemoveTmplsReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRemoveTmplsReply::DatabaseRemoveTmplsReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.199.2.4 DatabaseRemoveTmplsReply() [3/5]

```
briar::DatabaseRemoveTmplsReply::DatabaseRemoveTmplsReply (
    const DatabaseRemoveTmplsReply & from )
```

7.199.2.5 DatabaseRemoveTmplsReply() [4/5]

```
briar::DatabaseRemoveTmplsReply::DatabaseRemoveTmplsReply (
    DatabaseRemoveTmplsReply && from ) [inline], [noexcept]
```

7.199.2.6 DatabaseRemoveTmplsReply() [5/5]

```
briar::DatabaseRemoveTmplsReply::DatabaseRemoveTmplsReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.199.3 Member Function Documentation

7.199.3.1 _InternalParse()

```
const char * briar::DatabaseRemoveTmplsReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.199.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRemoveTmplsReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.199.3.3 ByteSizeLong()

```
size_t briar::DatabaseRemoveTmplsReply::ByteSizeLong ( ) const [final]
```

7.199.3.4 Clear()

```
void briar::DatabaseRemoveTmplsReply::Clear ( ) [final]
```

7.199.3.5 clear_durations()

```
void briar::DatabaseRemoveTmplsReply::clear_durations ( )
```

7.199.3.6 clear_errors()

```
void briar::DatabaseRemoveTmplsReply::clear_errors ( )
```

7.199.3.7 CopyFrom()

```
void briar::DatabaseRemoveTmplsReply::CopyFrom (
    const DatabaseRemoveTmplsReply & from )
```

7.199.3.8 default_instance()

```
static const DatabaseRemoveTmplsReply& briar::DatabaseRemoveTmplsReply::default_instance ( )
[inline], [static]
```

7.199.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRemoveTmplsReply::descriptor
( ) [inline], [static]
```

7.199.3.10 durations()

```
const ::briar::BriarDurations & briar::DatabaseRemoveTmplsReply::durations ( ) const [inline]
```

7.199.3.11 errors()

```
const ::briar::BriarErrors & briar::DatabaseRemoveTmplsReply::errors ( ) const [inline]
```

7.199.3.12 GetCachedSize()

```
int briar::DatabaseRemoveTmplsReply::GetCachedSize ( ) const [inline], [final]
```

7.199.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRemoveTmplsReply::GetClassData ( ) const [final]
```

7.199.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRemoveTmplsReply::GetDescriptor ( ) [inline], [static]
```

7.199.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRemoveTmplsReply::GetMetadata ( ) const [final]
```

7.199.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRemoveTmplsReply::GetReflection ( ) [inline], [static]
```

7.199.3.17 has_durations()

```
bool briar::DatabaseRemoveTmplsReply::has_durations ( ) const [inline]
```

7.199.3.18 has_errors()

```
bool briar::DatabaseRemoveTmplsReply::has_errors ( ) const [inline]
```

7.199.3.19 internal_default_instance()

```
static const DatabaseRemoveTmplsReply* briar::DatabaseRemoveTmplsReply::internal_default_instance ( ) [inline], [static]
```

7.199.3.20 IsInitialized()

```
bool briar::DatabaseRemoveTmplsReply::IsInitialized ( ) const [final]
```

7.199.3.21 MergeFrom()

```
void briar::DatabaseRemoveTmplsReply::MergeFrom (
    const DatabaseRemoveTmplsReply & from )
```

7.199.3.22 mutable_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsReply::mutable_durations ( ) [inline]
```

7.199.3.23 mutable_errors()

```
briar::BriarErrors * briar::DatabaseRemoveTmplsReply::mutable_errors ( ) [inline]
```

7.199.3.24 New()

```
DatabaseRemoveTmplsReply* briar::DatabaseRemoveTmplsReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.199.3.25 operator=() [1/2]

```
DatabaseRemoveTmplsReply& briar::DatabaseRemoveTmplsReply::operator= (
    const DatabaseRemoveTmplsReply & from ) [inline]
```

7.199.3.26 operator=() [2/2]

```
DatabaseRemoveTmplsReply& briar::DatabaseRemoveTmplsReply::operator= (
    DatabaseRemoveTmplsReply && from ) [inline], [noexcept]
```

7.199.3.27 release_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsReply::release_durations ( ) [inline]
```

7.199.3.28 release_errors()

```
briar::BriarErrors * briar::DatabaseRemoveTmplsReply::release_errors ( ) [inline]
```

7.199.3.29 set_allocated_durations()

```
void briar::DatabaseRemoveTmplsReply::set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.199.3.30 set_allocated_errors()

```
void briar::DatabaseRemoveTmplsReply::set_allocated_errors ( ::briar::BriarErrors * errors ) [inline]
```

7.199.3.31 Swap()

```
void briar::DatabaseRemoveTmplsReply::Swap ( DatabaseRemoveTmplsReply * other ) [inline]
```

7.199.3.32 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsReply::unsafe_arena_release_durations ( ) [inline]
```

7.199.3.33 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseRemoveTmplsReply::unsafe_arena_release_errors ( ) [inline]
```

7.199.3.34 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseRemoveTmplsReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.199.3.35 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseRemoveTmplsReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.199.3.36 UnsafeArenaSwap()

```
void briar::DatabaseRemoveTmplsReply::UnsafeArenaSwap (
    DatabaseRemoveTmplsReply * other ) [inline]
```

7.199.4 Friends And Related Function Documentation

7.199.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.199.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.199.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.199.4.4 swap

```
void swap (
    DatabaseRemoveTmplsReply & a,
    DatabaseRemoveTmplsReply & b ) [friend]
```

7.199.5 Member Data Documentation

7.199.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRemoveTmplsReply::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DatabaseRemoveTmplsReply::MergeImpl  
}
```

7.199.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseRemoveTmplsReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

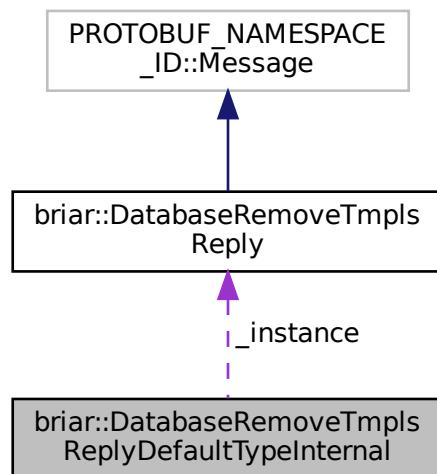
```
= 19
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.200 briar::DatabaseRemoveTmplsReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRemoveTmplsReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRemoveTmplsReplyDefaultTypeInternal ()
- ~DatabaseRemoveTmplsReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseRemoveTmplsReply _instance
};

7.200.1 Constructor & Destructor Documentation

7.200.1.1 DatabaseRemoveTmplsReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRemoveTmplsReplyDefaultTypeInternal::DatabaseRemoveTmplsReplyDefaultTypeInternal ( ) [inline]
```

7.200.1.2 ~DatabaseRemoveTmplsReplyDefaultTypeInternal()

```
briar::DatabaseRemoveTmplsReplyDefaultTypeInternal::~DatabaseRemoveTmplsReplyDefaultTypeInternal ( ) [inline]
```

7.200.2 Member Data Documentation

7.200.2.1

```
union { ... }
```

7.200.2.2 _instance

```
DatabaseRemoveTmplsReply briar::DatabaseRemoveTmplsReplyDefaultTypeInternal::_instance
```

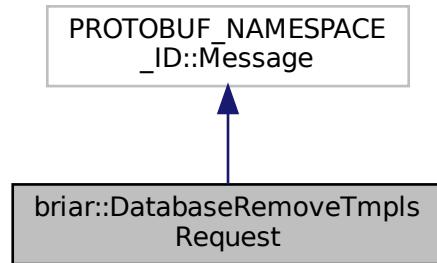
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

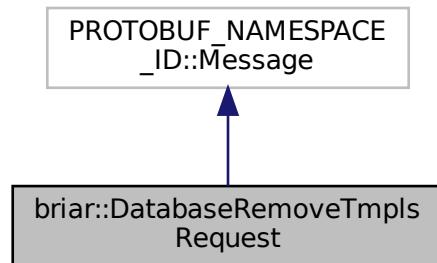
7.201 briar::DatabaseRemoveTmplsRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRemoveTmplsRequest:



Collaboration diagram for briar::DatabaseRemoveTmplsRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { `kDatabaseFieldNumber` = 1 , `kIdsFieldNumber` = 2 , `kDurationsFieldNumber` = 3 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_durations` ()
- void `clear_ids` ()
- void `CopyFrom` (const `DatabaseRemoveTmplsRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- `DatabaseRemoveTmplsRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseRemoveTmplsRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseRemoveTmplsRequest` (const `DatabaseRemoveTmplsRequest` &from)
- `DatabaseRemoveTmplsRequest` (`DatabaseRemoveTmplsRequest` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_durations` () const
- bool `has_ids` () const
- const ::briar::TemplateIds & `ids` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseRemoveTmplsRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::TemplateIds * `mutable_ids` ()
- `DatabaseRemoveTmplsRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseRemoveTmplsRequest` & `operator=` (const `DatabaseRemoveTmplsRequest` &from)
- `DatabaseRemoveTmplsRequest` & `operator=` (`DatabaseRemoveTmplsRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::TemplateIds * `release_ids` ()
- void `set_allocated_database` (::briar::BriarDatabase *database)
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_ids` (::briar::TemplateIds *ids)
- void `Swap` (`DatabaseRemoveTmplsRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::TemplateIds * `unsafe_arena_release_ids` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_ids` (::briar::TemplateIds *ids)
- void `UnsafeArenaSwap` (`DatabaseRemoveTmplsRequest` *other)
- `~DatabaseRemoveTmplsRequest` () override

Static Public Member Functions

- static const `DatabaseRemoveTmplsRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseRemoveTmplsRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseRemoveTmplsRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_← owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot
- void [swap](#) ([DatabaseRemoveTmplsRequest](#) &a, [DatabaseRemoveTmplsRequest](#) &b)

7.201.1 Member Enumeration Documentation

7.201.1.1 anonymous enum

anonymous enum : int

Enumerator

kDatabaseFieldNumber	
kIdsFieldNumber	
kDurationsFieldNumber	

7.201.2 Constructor & Destructor Documentation

7.201.2.1 DatabaseRemoveTmplsRequest() [1/5]

briar::DatabaseRemoveTmplsRequest::DatabaseRemoveTmplsRequest () [inline]

7.201.2.2 ~DatabaseRemoveTmplsRequest()

briar::DatabaseRemoveTmplsRequest::~DatabaseRemoveTmplsRequest () [override]

7.201.2.3 DatabaseRemoveTmplsRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRemoveTmplsRequest::DatabaseRemoveTmplsRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.201.2.4 DatabaseRemoveTmplsRequest() [3/5]

```
briar::DatabaseRemoveTmplsRequest::DatabaseRemoveTmplsRequest (
    const DatabaseRemoveTmplsRequest & from )
```

7.201.2.5 DatabaseRemoveTmplsRequest() [4/5]

```
briar::DatabaseRemoveTmplsRequest::DatabaseRemoveTmplsRequest (
    DatabaseRemoveTmplsRequest && from ) [inline], [noexcept]
```

7.201.2.6 DatabaseRemoveTmplsRequest() [5/5]

```
briar::DatabaseRemoveTmplsRequest::DatabaseRemoveTmplsRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.201.3 Member Function Documentation

7.201.3.1 _InternalParse()

```
const char * briar::DatabaseRemoveTmplsRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.201.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRemoveTmplsRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.201.3.3 **ByteSizeLong()**

```
size_t briar::DatabaseRemoveTmplsRequest::ByteSizeLong ( ) const [final]
```

7.201.3.4 **Clear()**

```
void briar::DatabaseRemoveTmplsRequest::Clear ( ) [final]
```

7.201.3.5 **clear_database()**

```
void briar::DatabaseRemoveTmplsRequest::clear_database ( )
```

7.201.3.6 **clear_durations()**

```
void briar::DatabaseRemoveTmplsRequest::clear_durations ( )
```

7.201.3.7 **clear_ids()**

```
void briar::DatabaseRemoveTmplsRequest::clear_ids ( )
```

7.201.3.8 **CopyFrom()**

```
void briar::DatabaseRemoveTmplsRequest::CopyFrom (
    const DatabaseRemoveTmplsRequest & from )
```

7.201.3.9 **database()**

```
const ::briar::BriarDatabase & briar::DatabaseRemoveTmplsRequest::database ( ) const [inline]
```

7.201.3.10 default_instance()

```
static const DatabaseRemoveTmplsRequest& briar::DatabaseRemoveTmplsRequest::default_instance ( ) [inline], [static]
```

7.201.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRemoveTmplsRequest::descriptor ( ) [inline], [static]
```

7.201.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseRemoveTmplsRequest::durations ( ) const [inline]
```

7.201.3.13 GetCachedSize()

```
int briar::DatabaseRemoveTmplsRequest::GetCachedSize ( ) const [inline], [final]
```

7.201.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRemoveTmplsRequest::GetClassData ( ) const [final]
```

7.201.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRemoveTmplsRequest::GetDescriptor ( ) [inline], [static]
```

7.201.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRemoveTmplsRequest::GetMetadata ( ) const [final]
```

7.201.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRemoveTmplsRequest::GetReflection() [inline], [static]
```

7.201.3.18 has_database()

```
bool briar::DatabaseRemoveTmplsRequest::has_database() const [inline]
```

7.201.3.19 has_durations()

```
bool briar::DatabaseRemoveTmplsRequest::has_durations() const [inline]
```

7.201.3.20 has_ids()

```
bool briar::DatabaseRemoveTmplsRequest::has_ids() const [inline]
```

7.201.3.21 ids()

```
const ::briar::TemplateIds& briar::DatabaseRemoveTmplsRequest::ids() const [inline]
```

7.201.3.22 internal_default_instance()

```
static const DatabaseRemoveTmplsRequest* briar::DatabaseRemoveTmplsRequest::internal_default_instance() [inline], [static]
```

7.201.3.23 IsInitialized()

```
bool briar::DatabaseRemoveTmplsRequest::IsInitialized() const [final]
```

7.201.3.24 MergeFrom()

```
void briar::DatabaseRemoveTmplsRequest::MergeFrom (
    const DatabaseRemoveTmplsRequest & from )
```

7.201.3.25 mutable_database()

```
briar::BriarDatabase * briar::DatabaseRemoveTmplsRequest::mutable_database () [inline]
```

7.201.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsRequest::mutable_durations () [inline]
```

7.201.3.27 mutable_ids()

```
briar::TemplateIds * briar::DatabaseRemoveTmplsRequest::mutable_ids () [inline]
```

7.201.3.28 New()

```
DatabaseRemoveTmplsRequest* briar::DatabaseRemoveTmplsRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.201.3.29 operator=() [1/2]

```
DatabaseRemoveTmplsRequest& briar::DatabaseRemoveTmplsRequest::operator= (
    const DatabaseRemoveTmplsRequest & from ) [inline]
```

7.201.3.30 operator=() [2/2]

```
DatabaseRemoveTmplsRequest& briar::DatabaseRemoveTmplsRequest::operator= (
    DatabaseRemoveTmplsRequest && from ) [inline], [noexcept]
```

7.201.3.31 release_database()

```
briar::BriarDatabase * briar::DatabaseRemoveTmplsRequest::release_database ( ) [inline]
```

7.201.3.32 release_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsRequest::release_durations ( ) [inline]
```

7.201.3.33 release_ids()

```
briar::TemplateIds * briar::DatabaseRemoveTmplsRequest::release_ids ( ) [inline]
```

7.201.3.34 set_allocated_database()

```
void briar::DatabaseRemoveTmplsRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.201.3.35 set_allocated_durations()

```
void briar::DatabaseRemoveTmplsRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.201.3.36 set_allocated_ids()

```
void briar::DatabaseRemoveTmplsRequest::set_allocated_ids (
    ::briar::TemplateIds * ids ) [inline]
```

7.201.3.37 Swap()

```
void briar::DatabaseRemoveTmplsRequest::Swap (
    DatabaseRemoveTmplsRequest * other ) [inline]
```

7.201.3.38 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseRemoveTmplsRequest::unsafe_arena_release_database ( )  
[inline]
```

7.201.3.39 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseRemoveTmplsRequest::unsafe_arena_release_durations ( )  
[inline]
```

7.201.3.40 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseRemoveTmplsRequest::unsafe_arena_release_ids ( ) [inline]
```

7.201.3.41 unsafe_arena_set_allocated_database()

```
void briar::DatabaseRemoveTmplsRequest::unsafe_arena_set_allocated_database (  
    ::briar::BriarDatabase * database ) [inline]
```

7.201.3.42 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseRemoveTmplsRequest::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.201.3.43 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseRemoveTmplsRequest::unsafe_arena_set_allocated_ids (   
    ::briar::TemplateIds * ids ) [inline]
```

7.201.3.44 UnsafeArenaSwap()

```
void briar::DatabaseRemoveTmplsRequest::UnsafeArenaSwap (   
    DatabaseRemoveTmplsRequest * other ) [inline]
```

7.201.4 Friends And Related Function Documentation

7.201.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.201.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.201.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.201.4.4 swap

```
void swap (
    DatabaseRemoveTmplsRequest & a,
    DatabaseRemoveTmplsRequest & b ) [friend]
```

7.201.5 Member Data Documentation

7.201.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRemoveTmplsRequest::_class_<-
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseRemoveTmplsRequest::MergeImpl
}
```

7.201.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseRemoveTmplsRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

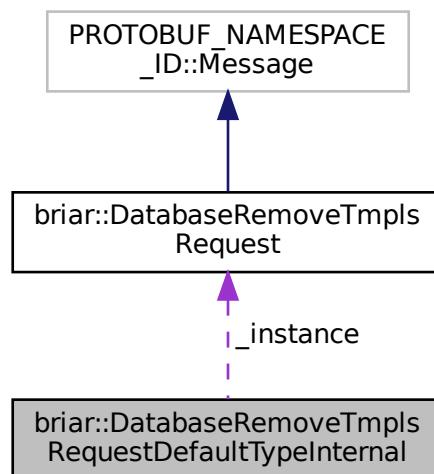
```
= 18
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.202 briar::DatabaseRemoveTmplsRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRemoveTmplsRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRemoveTmplsRequestDefaultTypeInternal ()
- [~DatabaseRemoveTmplsRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 DatabaseRemoveTmplsRequest _instance
 };

7.202.1 Constructor & Destructor Documentation

7.202.1.1 DatabaseRemoveTmplsRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRemoveTmplsRequestDefaultTypeInternal::DatabaseRemoveTmplsRequestDefaultTypeInternal ( ) [inline]
```

7.202.1.2 ~DatabaseRemoveTmplsRequestDefaultTypeInternal()

```
briar::DatabaseRemoveTmplsRequestDefaultTypeInternal::~DatabaseRemoveTmplsRequestDefaultTypeInternal ( ) [inline]
```

7.202.2 Member Data Documentation

7.202.2.1

```
union { ... }
```

7.202.2.2 _instance

[DatabaseRemoveTmplsRequest](#) briar::DatabaseRemoveTmplsRequestDefaultTypeInternal::_instance

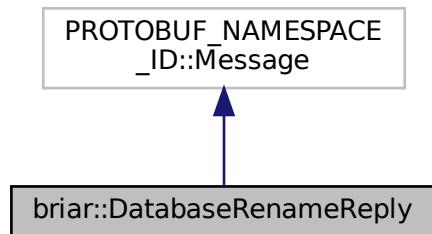
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

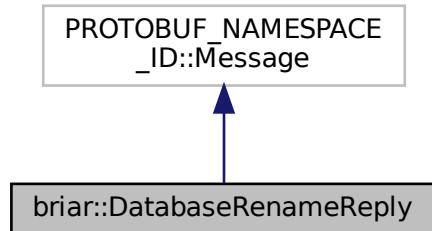
7.203 briar::DatabaseRenameReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRenameReply:



Collaboration diagram for briar::DatabaseRenameReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDurationsFieldNumber](#) = 1 , [kErrorsFieldNumber](#) = 3 , [kExistsFieldNumber](#) = 2 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_exists` ()
- void `CopyFrom` (const `DatabaseRenameReply` &from)
- `DatabaseRenameReply` ()
- PROTOBUF_CONSTEXPR `DatabaseRenameReply` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized>)
- `DatabaseRenameReply` (const `DatabaseRenameReply` &from)
- `DatabaseRenameReply` (`DatabaseRenameReply` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- const ::briar::BriarErrors & `errors` () const
- bool `exists` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseRenameReply` &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- `DatabaseRenameReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseRenameReply` & `operator=` (const `DatabaseRenameReply` &from)
- `DatabaseRenameReply` & `operator=` (`DatabaseRenameReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_errors` (::briar::BriarErrors *errors)
- void `set_exists` (bool value)
- void `Swap` (`DatabaseRenameReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *errors)
- void `UnsafeArenaSwap` (`DatabaseRenameReply` *other)
- `~DatabaseRenameReply` () override

Static Public Member Functions

- static const `DatabaseRenameReply` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseRenameReply` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseRenameReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) ([DatabaseRenameReply](#) &a, [DatabaseRenameReply](#) &b)

7.203.1 Member Enumeration Documentation

7.203.1.1 anonymous enum

anonymous enum : int

Enumerator

kDurationsFieldNumber	
kErrorsFieldNumber	
kExistsFieldNumber	

7.203.2 Constructor & Destructor Documentation

7.203.2.1 DatabaseRenameReply() [1/5]

briar::DatabaseRenameReply::DatabaseRenameReply () [inline]

7.203.2.2 ~DatabaseRenameReply()

briar::DatabaseRenameReply::~DatabaseRenameReply () [override]

7.203.2.3 DatabaseRenameReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRenameReply::DatabaseRenameReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.203.2.4 DatabaseRenameReply() [3/5]

```
briar::DatabaseRenameReply::DatabaseRenameReply (
    const DatabaseRenameReply & from )
```

7.203.2.5 DatabaseRenameReply() [4/5]

```
briar::DatabaseRenameReply::DatabaseRenameReply (
    DatabaseRenameReply && from ) [inline], [noexcept]
```

7.203.2.6 DatabaseRenameReply() [5/5]

```
briar::DatabaseRenameReply::DatabaseRenameReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.203.3 Member Function Documentation

7.203.3.1 _InternalParse()

```
const char * briar::DatabaseRenameReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.203.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRenameReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.203.3.3 ByteSizeLong()

```
size_t briar::DatabaseRenameReply::ByteSizeLong ( ) const [final]
```

7.203.3.4 Clear()

```
void briar::DatabaseRenameReply::Clear ( ) [final]
```

7.203.3.5 clear_durations()

```
void briar::DatabaseRenameReply::clear_durations ( )
```

7.203.3.6 clear_errors()

```
void briar::DatabaseRenameReply::clear_errors ( )
```

7.203.3.7 clear_exists()

```
void briar::DatabaseRenameReply::clear_exists ( ) [inline]
```

7.203.3.8 CopyFrom()

```
void briar::DatabaseRenameReply::CopyFrom (
    const DatabaseRenameReply & from )
```

7.203.3.9 default_instance()

```
static const DatabaseRenameReply& briar::DatabaseRenameReply::default_instance ( ) [inline],
[static]
```

7.203.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRenameReply::descriptor ( )  
[inline], [static]
```

7.203.3.11 durations()

```
const ::briar::BriarDurations & briar::DatabaseRenameReply::durations ( ) const [inline]
```

7.203.3.12 errors()

```
const ::briar::BriarErrors & briar::DatabaseRenameReply::errors ( ) const [inline]
```

7.203.3.13 exists()

```
bool briar::DatabaseRenameReply::exists ( ) const [inline]
```

7.203.3.14 GetCachedSize()

```
int briar::DatabaseRenameReply::GetCachedSize ( ) const [inline], [final]
```

7.203.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRenameReply::GetClassData ( )  
const [final]
```

7.203.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRenameReply::GetDescriptor ( )  
[inline], [static]
```

7.203.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRenameReply::GetMetadata () const [final]
```

7.203.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRenameReply::GetReflection () [inline], [static]
```

7.203.3.19 has_durations()

```
bool briar::DatabaseRenameReply::has_durations () const [inline]
```

7.203.3.20 has_errors()

```
bool briar::DatabaseRenameReply::has_errors () const [inline]
```

7.203.3.21 internal_default_instance()

```
static const DatabaseRenameReply* briar::DatabaseRenameReply::internal_default_instance () [inline], [static]
```

7.203.3.22 IsInitialized()

```
bool briar::DatabaseRenameReply::IsInitialized () const [final]
```

7.203.3.23 MergeFrom()

```
void briar::DatabaseRenameReply::MergeFrom (const DatabaseRenameReply & from)
```

7.203.3.24 mutable_durations()

```
briar::BriarDurations * briar::DatabaseRenameReply::mutable_durations ( ) [inline]
```

7.203.3.25 mutable_errors()

```
briar::BriarErrors * briar::DatabaseRenameReply::mutable_errors ( ) [inline]
```

7.203.3.26 New()

```
DatabaseRenameReply* briar::DatabaseRenameReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.203.3.27 operator=() [1/2]

```
DatabaseRenameReply& briar::DatabaseRenameReply::operator= (   
    const DatabaseRenameReply & from ) [inline]
```

7.203.3.28 operator=() [2/2]

```
DatabaseRenameReply& briar::DatabaseRenameReply::operator= (   
    DatabaseRenameReply && from ) [inline], [noexcept]
```

7.203.3.29 release_durations()

```
briar::BriarDurations * briar::DatabaseRenameReply::release_durations ( ) [inline]
```

7.203.3.30 release_errors()

```
briar::BriarErrors * briar::DatabaseRenameReply::release_errors ( ) [inline]
```

7.203.3.31 set_allocated_durations()

```
void briar::DatabaseRenameReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.203.3.32 set_allocated_errors()

```
void briar::DatabaseRenameReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.203.3.33 set_exists()

```
void briar::DatabaseRenameReply::set_exists (
    bool value ) [inline]
```

7.203.3.34 Swap()

```
void briar::DatabaseRenameReply::Swap (
    DatabaseRenameReply * other ) [inline]
```

7.203.3.35 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseRenameReply::unsafe_arena_release_durations ( ) [inline]
```

7.203.3.36 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseRenameReply::unsafe_arena_release_errors ( ) [inline]
```

7.203.3.37 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseRenameReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.203.3.38 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseRenameReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.203.3.39 UnsafeArenaSwap()

```
void briar::DatabaseRenameReply::UnsafeArenaSwap (
    DatabaseRenameReply * other ) [inline]
```

7.203.4 Friends And Related Function Documentation

7.203.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.203.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.203.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.203.4.4 swap

```
void swap (
    DatabaseRenameReply & a,
    DatabaseRenameReply & b ) [friend]
```

7.203.5 Member Data Documentation

7.203.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRenameReply::_class_data_↳
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseRenameReply::MergeImpl
}
```

7.203.5.2 `kIndexInFileMessages`

```
constexpr int briar::DatabaseRenameReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

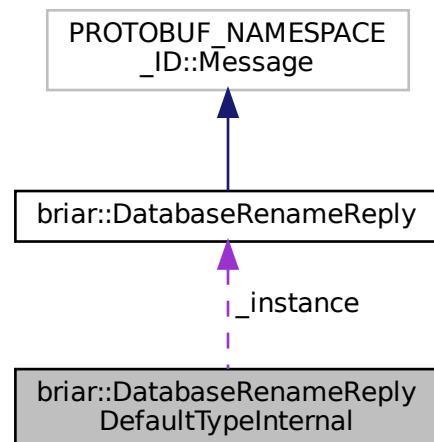
```
= 25
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.204 briar::DatabaseRenameReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRenameReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRenameReplyDefaultTypeInternal ()
- ~DatabaseRenameReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseRenameReply _instance
};

7.204.1 Constructor & Destructor Documentation

7.204.1.1 DatabaseRenameReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRenameReplyDefaultTypeInternal::DatabaseRenameReplyDefault←
TypeInternal ( ) [inline]
```

7.204.1.2 ~DatabaseRenameReplyDefaultTypeInternal()

```
briar::DatabaseRenameReplyDefaultTypeInternal::~DatabaseRenameReplyDefaultTypeInternal ( ) [inline]
```

7.204.2 Member Data Documentation

7.204.2.1

```
union { ... }
```

7.204.2.2 _instance

```
DatabaseRenameReply briar::DatabaseRenameReplyDefaultTypeInternal::_instance
```

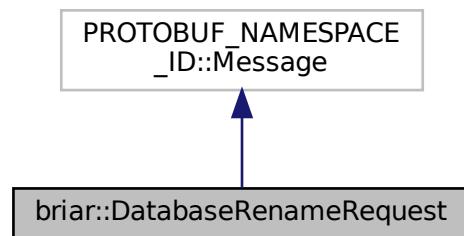
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

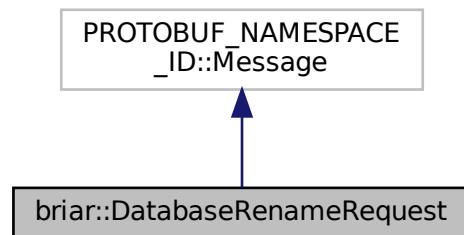
7.205 briar::DatabaseRenameRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRenameRequest:



Collaboration diagram for briar::DatabaseRenameRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kDatabaseNewFieldNumber](#) = 2 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_database_new` ()
- void `CopyFrom` (const DatabaseRenameRequest &from)
- const ::briar::BriarDatabase & `database` () const
- const ::briar::BriarDatabase & `database_new` () const
- `DatabaseRenameRequest` ()
- PROTOBUF_CONSTEXPR DatabaseRenameRequest (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseRenameRequest` (const `DatabaseRenameRequest` &from)
- `DatabaseRenameRequest` (`DatabaseRenameRequest` &&from) noexcept
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_database_new` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseRenameRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDatabase * `mutable_database_new` ()
- `DatabaseRenameRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseRenameRequest` & `operator=` (const `DatabaseRenameRequest` &from)
- `DatabaseRenameRequest` & `operator=` (`DatabaseRenameRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database_new` ()
- void `set_allocated_database` (::briar::BriarDatabase *database)
- void `set_allocated_database_new` (::briar::BriarDatabase *database_new)
- void `Swap` (`DatabaseRenameRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDatabase * `unsafe_arena_release_database_new` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_database_new` (::briar::BriarDatabase *database_new)
- void `UnsafeArenaSwap` (`DatabaseRenameRequest` *other)
- `~DatabaseRenameRequest` () override

Static Public Member Functions

- static const `DatabaseRenameRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseRenameRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [DatabaseRenameRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) (DatabaseRenameRequest &a, DatabaseRenameRequest &b)

7.205.1 Member Enumeration Documentation

7.205.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDatabaseFieldNumber	
kDatabaseNewFieldNumber	

7.205.2 Constructor & Destructor Documentation

7.205.2.1 DatabaseRenameRequest() [1/5]

```
briar::DatabaseRenameRequest::DatabaseRenameRequest ( ) [inline]
```

7.205.2.2 ~DatabaseRenameRequest()

```
briar::DatabaseRenameRequest::~DatabaseRenameRequest ( ) [override]
```

7.205.2.3 DatabaseRenameRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRenameRequest::DatabaseRenameRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.205.2.4 DatabaseRenameRequest() [3/5]

```
briar::DatabaseRenameRequest::DatabaseRenameRequest (
    const DatabaseRenameRequest & from )
```

7.205.2.5 DatabaseRenameRequest() [4/5]

```
briar::DatabaseRenameRequest::DatabaseRenameRequest (
    DatabaseRenameRequest && from ) [inline], [noexcept]
```

7.205.2.6 DatabaseRenameRequest() [5/5]

```
briar::DatabaseRenameRequest::DatabaseRenameRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.205.3 Member Function Documentation

7.205.3.1 _InternalParse()

```
const char * briar::DatabaseRenameRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.205.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRenameRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.205.3.3 ByteSizeLong()

```
size_t briar::DatabaseRenameRequest::ByteSizeLong ( ) const [final]
```

7.205.3.4 Clear()

```
void briar::DatabaseRenameRequest::Clear ( ) [final]
```

7.205.3.5 clear_database()

```
void briar::DatabaseRenameRequest::clear_database ( )
```

7.205.3.6 clear_database_new()

```
void briar::DatabaseRenameRequest::clear_database_new ( )
```

7.205.3.7 CopyFrom()

```
void briar::DatabaseRenameRequest::CopyFrom (
    const DatabaseRenameRequest & from )
```

7.205.3.8 database()

```
const ::briar::BriarDatabase & briar::DatabaseRenameRequest::database ( ) const [inline]
```

7.205.3.9 database_new()

```
const ::briar::BriarDatabase & briar::DatabaseRenameRequest::database_new ( ) const [inline]
```

7.205.3.10 default_instance()

```
static const DatabaseRenameRequest& briar::DatabaseRenameRequest::default_instance ( ) [inline],
[static]
```

7.205.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRenameRequest::descriptor( )  
[inline], [static]
```

7.205.3.12 GetCachedSize()

```
int briar::DatabaseRenameRequest::GetCachedSize( ) const [inline], [final]
```

7.205.3.13 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRenameRequest::GetClassData  
( ) const [final]
```

7.205.3.14 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRenameRequest::GetDescriptor  
( ) [inline], [static]
```

7.205.3.15 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRenameRequest::GetMetadata( ) const [final]
```

7.205.3.16 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRenameRequest::GetReflection  
( ) [inline], [static]
```

7.205.3.17 has_database()

```
bool briar::DatabaseRenameRequest::has_database( ) const [inline]
```

7.205.3.18 has_database_new()

```
bool briar::DatabaseRenameRequest::has_database_new ( ) const [inline]
```

7.205.3.19 internal_default_instance()

```
static const DatabaseRenameRequest* briar::DatabaseRenameRequest::internal_default_instance ( ) [inline], [static]
```

7.205.3.20 IsInitialized()

```
bool briar::DatabaseRenameRequest::IsInitialized ( ) const [final]
```

7.205.3.21 MergeFrom()

```
void briar::DatabaseRenameRequest::MergeFrom ( const DatabaseRenameRequest & from )
```

7.205.3.22 mutable_database()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::mutable_database ( ) [inline]
```

7.205.3.23 mutable_database_new()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::mutable_database_new ( ) [inline]
```

7.205.3.24 New()

```
DatabaseRenameRequest* briar::DatabaseRenameRequest::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.205.3.25 operator=() [1/2]

```
DatabaseRenameRequest& briar::DatabaseRenameRequest::operator= (
    const DatabaseRenameRequest & from ) [inline]
```

7.205.3.26 operator=() [2/2]

```
DatabaseRenameRequest& briar::DatabaseRenameRequest::operator= (
    DatabaseRenameRequest && from ) [inline], [noexcept]
```

7.205.3.27 release_database()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::release_database ( ) [inline]
```

7.205.3.28 release_database_new()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::release_database_new ( ) [inline]
```

7.205.3.29 set_allocated_database()

```
void briar::DatabaseRenameRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.205.3.30 set_allocated_database_new()

```
void briar::DatabaseRenameRequest::set_allocated_database_new (
    ::briar::BriarDatabase * database_new ) [inline]
```

7.205.3.31 Swap()

```
void briar::DatabaseRenameRequest::Swap (
    DatabaseRenameRequest * other ) [inline]
```

7.205.3.32 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::unsafe_arena_release_database ( ) [inline]
```

7.205.3.33 unsafe_arena_release_database_new()

```
briar::BriarDatabase * briar::DatabaseRenameRequest::unsafe_arena_release_database_new ( ) [inline]
```

7.205.3.34 unsafe_arena_set_allocated_database()

```
void briar::DatabaseRenameRequest::unsafe_arena_set_allocated_database ( ::briar::BriarDatabase * database ) [inline]
```

7.205.3.35 unsafe_arena_set_allocated_database_new()

```
void briar::DatabaseRenameRequest::unsafe_arena_set_allocated_database_new ( ::briar::BriarDatabase * database_new ) [inline]
```

7.205.3.36 UnsafeArenaSwap()

```
void briar::DatabaseRenameRequest::UnsafeArenaSwap ( DatabaseRenameRequest * other ) [inline]
```

7.205.4 Friends And Related Function Documentation**7.205.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.205.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.205.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.205.4.4 swap

```
void swap (
    DatabaseRenameRequest & a,
    DatabaseRenameRequest & b ) [friend]
```

7.205.5 Member Data Documentation

7.205.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRenameRequest::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseRenameRequest::MergeImpl
}
```

7.205.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseRenameRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

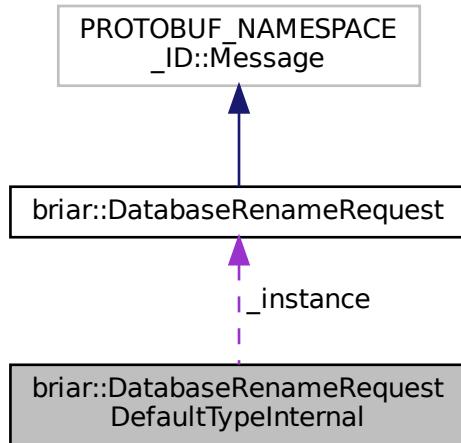
```
= 24
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.206 briar::DatabaseRenameRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRenameRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRenameRequestDefaultTypeInternal ()
- ~DatabaseRenameRequestDefaultTypeInternal ()

Public Attributes

- union {
 `DatabaseRenameRequest _instance`
};

7.206.1 Constructor & Destructor Documentation

7.206.1.1 DatabaseRenameRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRenameRequestDefaultTypeInternal::DatabaseRenameRequestDefaultTypeInternal ( ) [inline]
```

7.206.1.2 ~DatabaseRenameRequestDefaultTypeInternal()

```
briar::DatabaseRenameRequestDefaultTypeInternal::~DatabaseRenameRequestDefaultTypeInternal ( )  
[inline]
```

7.206.2 Member Data Documentation

7.206.2.1

```
union { ... }
```

7.206.2.2 _instance

```
DatabaseRenameRequest briar::DatabaseRenameRequestDefaultTypeInternal::_instance
```

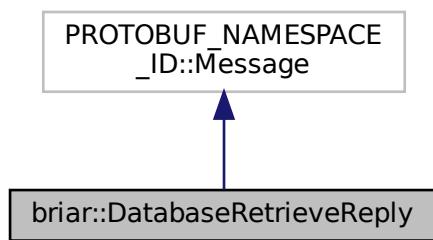
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

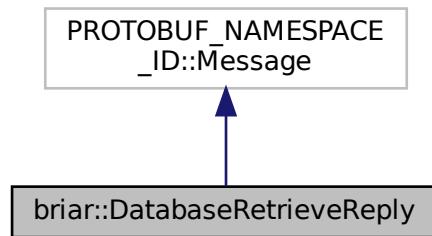
7.207 briar::DatabaseRetrieveReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRetrieveReply:



Collaboration diagram for briar::DatabaseRetrieveReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kTemplatesFieldNumber](#) = 1 , [kRecordsFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 3 , [kErrorsFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_records](#) ()
- void [clear_templates](#) ()
- void [CopyFrom](#) (const [DatabaseRetrieveReply](#) &from)
- [DatabaseRetrieveReply](#) ()
- PROTOBUF_CONSTEXPR [DatabaseRetrieveReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<->Initialized)
- [DatabaseRetrieveReply](#) (const [DatabaseRetrieveReply](#) &from)
- [DatabaseRetrieveReply](#) ([DatabaseRetrieveReply](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_records](#) () const

- bool `has_templates () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DatabaseRetrieveReply &from)`
- `::briar::BriarDurations * mutable_durations ()`
- `::briar::BriarErrors * mutable_errors ()`
- `::briar::TemplateList * mutable_records ()`
- `::briar::TemplateList * mutable_templates ()`
- `DatabaseRetrieveReply * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DatabaseRetrieveReply & operator= (const DatabaseRetrieveReply &from)`
- `DatabaseRetrieveReply & operator= (DatabaseRetrieveReply &&from) noexcept`
- const `::briar::TemplateList & records () const`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `PROTOBUF_NODISCARD ::briar::BriarErrors * release_errors ()`
- `PROTOBUF_NODISCARD ::briar::TemplateList * release_records ()`
- `PROTOBUF_NODISCARD ::briar::TemplateList * release_templates ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_errors (::briar::BriarErrors *errors)`
- void `set_allocated_records (::briar::TemplateList *records)`
- void `set_allocated_templates (::briar::TemplateList *templates)`
- void `Swap (DatabaseRetrieveReply *other)`
- const `::briar::TemplateList & templates () const`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- `::briar::TemplateList * unsafe_arena_release_records ()`
- `::briar::TemplateList * unsafe_arena_release_templates ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `unsafe_arena_set_allocated_records (::briar::TemplateList *records)`
- void `unsafe_arena_set_allocated_templates (::briar::TemplateList *templates)`
- void `UnsafeArenaSwap (DatabaseRetrieveReply *other)`
- `~DatabaseRetrieveReply () override`

Static Public Member Functions

- static const `DatabaseRetrieveReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DatabaseRetrieveReply * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DatabaseRetrieveReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fService_2eproto
- void swap (DatabaseRetrieveReply &a, DatabaseRetrieveReply &b)

7.207.1 Member Enumeration Documentation

7.207.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kTemplatesFieldNumber	
kRecordsFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	

7.207.2 Constructor & Destructor Documentation

7.207.2.1 DatabaseRetrieveReply() [1/5]

```
briar::DatabaseRetrieveReply::DatabaseRetrieveReply ( ) [inline]
```

7.207.2.2 ~DatabaseRetrieveReply()

```
briar::DatabaseRetrieveReply::~DatabaseRetrieveReply ( ) [override]
```

7.207.2.3 DatabaseRetrieveReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRetrieveReply::DatabaseRetrieveReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.207.2.4 DatabaseRetrieveReply() [3/5]

```
briar::DatabaseRetrieveReply::DatabaseRetrieveReply (
    const DatabaseRetrieveReply & from )
```

7.207.2.5 DatabaseRetrieveReply() [4/5]

```
briar::DatabaseRetrieveReply::DatabaseRetrieveReply (
    DatabaseRetrieveReply && from ) [inline], [noexcept]
```

7.207.2.6 DatabaseRetrieveReply() [5/5]

```
briar::DatabaseRetrieveReply::DatabaseRetrieveReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.207.3 Member Function Documentation

7.207.3.1 _InternalParse()

```
const char * briar::DatabaseRetrieveReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.207.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRetrieveReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.207.3.3 ByteSizeLong()

```
size_t briar::DatabaseRetrieveReply::ByteSizeLong ( ) const [final]
```

7.207.3.4 Clear()

```
void briar::DatabaseRetrieveReply::Clear ( ) [final]
```

7.207.3.5 clear_durations()

```
void briar::DatabaseRetrieveReply::clear_durations ( )
```

7.207.3.6 clear_errors()

```
void briar::DatabaseRetrieveReply::clear_errors ( )
```

7.207.3.7 clear_records()

```
void briar::DatabaseRetrieveReply::clear_records ( )
```

7.207.3.8 clear_templates()

```
void briar::DatabaseRetrieveReply::clear_templates ( )
```

7.207.3.9 CopyFrom()

```
void briar::DatabaseRetrieveReply::CopyFrom (
    const DatabaseRetrieveReply & from )
```

7.207.3.10 default_instance()

```
static const DatabaseRetrieveReply& briar::DatabaseRetrieveReply::default_instance ( ) [inline],
[static]
```

7.207.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRetrieveReply::descriptor( )  
[inline], [static]
```

7.207.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseRetrieveReply::durations( ) const [inline]
```

7.207.3.13 errors()

```
const ::briar::BriarErrors & briar::DatabaseRetrieveReply::errors( ) const [inline]
```

7.207.3.14 GetCachedSize()

```
int briar::DatabaseRetrieveReply::GetCachedSize( ) const [inline], [final]
```

7.207.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRetrieveReply::GetClassData  
( ) const [final]
```

7.207.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRetrieveReply::GetDescriptor  
( ) [inline], [static]
```

7.207.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRetrieveReply::GetMetadata( ) const [final]
```

7.207.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRetrieveReply::GetReflection()
() [inline], [static]
```

7.207.3.19 has_durations()

```
bool briar::DatabaseRetrieveReply::has_durations () const [inline]
```

7.207.3.20 has_errors()

```
bool briar::DatabaseRetrieveReply::has_errors () const [inline]
```

7.207.3.21 has_records()

```
bool briar::DatabaseRetrieveReply::has_records () const [inline]
```

7.207.3.22 has_templates()

```
bool briar::DatabaseRetrieveReply::has_templates () const [inline]
```

7.207.3.23 internal_default_instance()

```
static const DatabaseRetrieveReply* briar::DatabaseRetrieveReply::internal_default_instance (
) [inline], [static]
```

7.207.3.24 IsInitialized()

```
bool briar::DatabaseRetrieveReply::IsInitialized () const [final]
```

7.207.3.25 MergeFrom()

```
void briar::DatabaseRetrieveReply::MergeFrom (
    const DatabaseRetrieveReply & from )
```

7.207.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveReply::mutable_durations ( ) [inline]
```

7.207.3.27 mutable_errors()

```
briar::BriarErrors * briar::DatabaseRetrieveReply::mutable_errors ( ) [inline]
```

7.207.3.28 mutable_records()

```
briar::TemplateList * briar::DatabaseRetrieveReply::mutable_records ( ) [inline]
```

7.207.3.29 mutable_templates()

```
briar::TemplateList * briar::DatabaseRetrieveReply::mutable_templates ( ) [inline]
```

7.207.3.30 New()

```
DatabaseRetrieveReply* briar::DatabaseRetrieveReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.207.3.31 operator=() [1/2]

```
DatabaseRetrieveReply& briar::DatabaseRetrieveReply::operator= (
    const DatabaseRetrieveReply & from ) [inline]
```

7.207.3.32 operator=() [2/2]

```
DatabaseRetrieveReply& briar::DatabaseRetrieveReply::operator= (
    DatabaseRetrieveReply && from ) [inline], [noexcept]
```

7.207.3.33 records()

```
const ::briar::TemplateList & briar::DatabaseRetrieveReply::records () const [inline]
```

7.207.3.34 release_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveReply::release_durations () [inline]
```

7.207.3.35 release_errors()

```
briar::BriarErrors * briar::DatabaseRetrieveReply::release_errors () [inline]
```

7.207.3.36 release_records()

```
briar::TemplateList * briar::DatabaseRetrieveReply::release_records () [inline]
```

7.207.3.37 release_templates()

```
briar::TemplateList * briar::DatabaseRetrieveReply::release_templates () [inline]
```

7.207.3.38 set_allocated_durations()

```
void briar::DatabaseRetrieveReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.207.3.39 set_allocated_errors()

```
void briar::DatabaseRetrieveReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.207.3.40 set_allocated_records()

```
void briar::DatabaseRetrieveReply::set_allocated_records (
    ::briar::TemplateList * records ) [inline]
```

7.207.3.41 set_allocated_templates()

```
void briar::DatabaseRetrieveReply::set_allocated_templates (
    ::briar::TemplateList * templates ) [inline]
```

7.207.3.42 Swap()

```
void briar::DatabaseRetrieveReply::Swap (
    DatabaseRetrieveReply * other ) [inline]
```

7.207.3.43 templates()

```
const ::briar::TemplateList & briar::DatabaseRetrieveReply::templates ( ) const [inline]
```

7.207.3.44 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveReply::unsafe_arena_release_durations ( ) [inline]
```

7.207.3.45 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DatabaseRetrieveReply::unsafe_arena_release_errors ( ) [inline]
```

7.207.3.46 unsafe_arena_release_records()

```
briar::TemplateList * briar::DatabaseRetrieveReply::unsafe_arena_release_records ( ) [inline]
```

7.207.3.47 unsafe_arena_release_templates()

```
briar::TemplateList * briar::DatabaseRetrieveReply::unsafe_arena_release_templates ( ) [inline]
```

7.207.3.48 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseRetrieveReply::unsafe_arena_set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.207.3.49 unsafe_arena_set_allocated_errors()

```
void briar::DatabaseRetrieveReply::unsafe_arena_set_allocated_errors (   
    ::briar::BriarErrors * errors ) [inline]
```

7.207.3.50 unsafe_arena_set_allocated_records()

```
void briar::DatabaseRetrieveReply::unsafe_arena_set_allocated_records (   
    ::briar::TemplateList * records ) [inline]
```

7.207.3.51 unsafe_arena_set_allocated_templates()

```
void briar::DatabaseRetrieveReply::unsafe_arena_set_allocated_templates (   
    ::briar::TemplateList * templates ) [inline]
```

7.207.3.52 UnsafeArenaSwap()

```
void briar::DatabaseRetrieveReply::UnsafeArenaSwap (   
    DatabaseRetrieveReply * other ) [inline]
```

7.207.4 Friends And Related Function Documentation

7.207.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.207.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.207.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.207.4.4 swap

```
void swap (
    DatabaseRetrieveReply & a,
    DatabaseRetrieveReply & b ) [friend]
```

7.207.5 Member Data Documentation

7.207.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRetrieveReply::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseRetrieveReply::MergeImpl
}
```

7.207.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseRetrieveReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

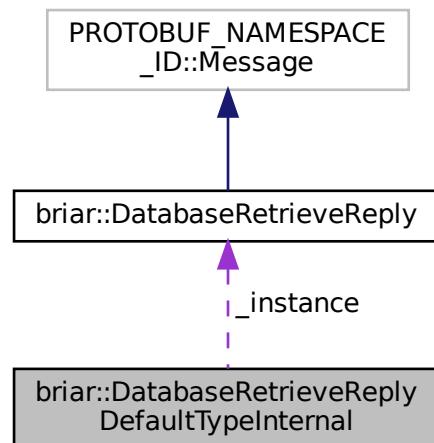
```
= 33
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.208 briar::DatabaseRetrieveReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRetrieveReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRetrieveReplyDefaultTypeInternal ()
- ~DatabaseRetrieveReplyDefaultTypeInternal ()

Public Attributes

- union {
 DatabaseRetrieveReply _instance
 };

7.208.1 Constructor & Destructor Documentation

7.208.1.1 DatabaseRetrieveReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRetrieveReplyDefaultTypeInternal::DatabaseRetrieveReply<-
DefaultTypeInternal ( ) [inline]
```

7.208.1.2 ~DatabaseRetrieveReplyDefaultTypeInternal()

```
briar::DatabaseRetrieveReplyDefaultTypeInternal::~DatabaseRetrieveReplyDefaultTypeInternal ( )
[inline]
```

7.208.2 Member Data Documentation

7.208.2.1

```
union { ... }
```

7.208.2.2 _instance

[DatabaseRetrieveReply](#) briar::DatabaseRetrieveReplyDefaultTypeInternal::_instance

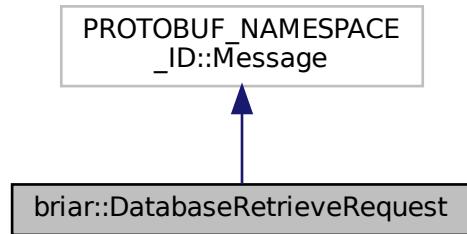
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

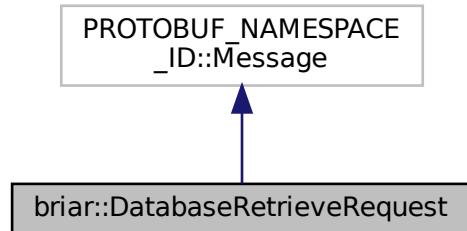
7.209 briar::DatabaseRetrieveRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DatabaseRetrieveRequest:



Collaboration diagram for briar::DatabaseRetrieveRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDatabaseFieldNumber](#) = 1 , [kldsFieldNumber](#) = 2 , [kDurationsFieldNumber](#) = 3 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_database` ()
- void `clear_durations` ()
- void `clear_ids` ()
- void `CopyFrom` (const `DatabaseRetrieveRequest` &from)
- const ::briar::BriarDatabase & `database` () const
- `DatabaseRetrieveRequest` ()
- PROTOBUF_CONSTEXPR `DatabaseRetrieveRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DatabaseRetrieveRequest` (const `DatabaseRetrieveRequest` &from)
- `DatabaseRetrieveRequest` (`DatabaseRetrieveRequest` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database` () const
- bool `has_durations` () const
- bool `has_ids` () const
- const ::briar::TemplateIds & `ids` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DatabaseRetrieveRequest` &from)
- ::briar::BriarDatabase * `mutable_database` ()
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::TemplateIds * `mutable_ids` ()
- `DatabaseRetrieveRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DatabaseRetrieveRequest` & `operator=` (const `DatabaseRetrieveRequest` &from)
- `DatabaseRetrieveRequest` & `operator=` (`DatabaseRetrieveRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * `release_database` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::TemplateIds * `release_ids` ()
- void `set_allocated_database` (::briar::BriarDatabase *`database`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_ids` (::briar::TemplateIds *`ids`)
- void `Swap` (`DatabaseRetrieveRequest` *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::TemplateIds * `unsafe_arena_release_ids` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *`database`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_ids` (::briar::TemplateIds *`ids`)
- void `UnsafeArenaSwap` (`DatabaseRetrieveRequest` *other)
- `~DatabaseRetrieveRequest` () override

Static Public Member Functions

- static const `DatabaseRetrieveRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `DatabaseRetrieveRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DatabaseRetrieveRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) (DatabaseRetrieveRequest &a, DatabaseRetrieveRequest &b)

7.209.1 Member Enumeration Documentation

7.209.1.1 anonymous enum

anonymous enum : int

Enumerator

kDatabaseFieldNumber	
kIdsFieldNumber	
kDurationsFieldNumber	

7.209.2 Constructor & Destructor Documentation

7.209.2.1 DatabaseRetrieveRequest() [1/5]

briar::DatabaseRetrieveRequest::DatabaseRetrieveRequest () [inline]

7.209.2.2 ~DatabaseRetrieveRequest()

briar::DatabaseRetrieveRequest::~DatabaseRetrieveRequest () [override]

7.209.2.3 DatabaseRetrieveRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DatabaseRetrieveRequest::DatabaseRetrieveRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.209.2.4 DatabaseRetrieveRequest() [3/5]

```
briar::DatabaseRetrieveRequest::DatabaseRetrieveRequest (
    const DatabaseRetrieveRequest & from )
```

7.209.2.5 DatabaseRetrieveRequest() [4/5]

```
briar::DatabaseRetrieveRequest::DatabaseRetrieveRequest (
    DatabaseRetrieveRequest && from ) [inline], [noexcept]
```

7.209.2.6 DatabaseRetrieveRequest() [5/5]

```
briar::DatabaseRetrieveRequest::DatabaseRetrieveRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.209.3 Member Function Documentation

7.209.3.1 _InternalParse()

```
const char * briar::DatabaseRetrieveRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.209.3.2 _InternalSerialize()

```
uint8_t * briar::DatabaseRetrieveRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.209.3.3 ByteSizeLong()

```
size_t briar::DatabaseRetrieveRequest::ByteSizeLong ( ) const [final]
```

7.209.3.4 Clear()

```
void briar::DatabaseRetrieveRequest::Clear ( ) [final]
```

7.209.3.5 clear_database()

```
void briar::DatabaseRetrieveRequest::clear_database ( )
```

7.209.3.6 clear_durations()

```
void briar::DatabaseRetrieveRequest::clear_durations ( )
```

7.209.3.7 clear_ids()

```
void briar::DatabaseRetrieveRequest::clear_ids ( )
```

7.209.3.8 CopyFrom()

```
void briar::DatabaseRetrieveRequest::CopyFrom (
    const DatabaseRetrieveRequest & from )
```

7.209.3.9 database()

```
const ::briar::BriarDatabase & briar::DatabaseRetrieveRequest::database ( ) const [inline]
```

7.209.3.10 default_instance()

```
static const DatabaseRetrieveRequest& briar::DatabaseRetrieveRequest::default_instance ( )  
[inline], [static]
```

7.209.3.11 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRetrieveRequest::descriptor ( )  
[inline], [static]
```

7.209.3.12 durations()

```
const ::briar::BriarDurations & briar::DatabaseRetrieveRequest::durations ( ) const [inline]
```

7.209.3.13 GetCachedSize()

```
int briar::DatabaseRetrieveRequest::GetCachedSize ( ) const [inline], [final]
```

7.209.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DatabaseRetrieveRequest::GetClassData ( ) const [final]
```

7.209.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DatabaseRetrieveRequest::GetDescriptor ( ) const [inline], [static]
```

7.209.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DatabaseRetrieveRequest::GetMetadata ( ) const [final]
```

7.209.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DatabaseRetrieveRequest::GetReflection()
() [inline], [static]
```

7.209.3.18 has_database()

```
bool briar::DatabaseRetrieveRequest::has_database () const [inline]
```

7.209.3.19 has_durations()

```
bool briar::DatabaseRetrieveRequest::has_durations () const [inline]
```

7.209.3.20 has_ids()

```
bool briar::DatabaseRetrieveRequest::has_ids () const [inline]
```

7.209.3.21 ids()

```
const ::briar::TemplateIds & briar::DatabaseRetrieveRequest::ids () const [inline]
```

7.209.3.22 internal_default_instance()

```
static const DatabaseRetrieveRequest* briar::DatabaseRetrieveRequest::internal_default_←
instance () [inline], [static]
```

7.209.3.23 IsInitialized()

```
bool briar::DatabaseRetrieveRequest::IsInitialized () const [final]
```

7.209.3.24 MergeFrom()

```
void briar::DatabaseRetrieveRequest::MergeFrom (
    const DatabaseRetrieveRequest & from )
```

7.209.3.25 mutable_database()

```
briar::BriarDatabase * briar::DatabaseRetrieveRequest::mutable_database ( ) [inline]
```

7.209.3.26 mutable_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveRequest::mutable_durations ( ) [inline]
```

7.209.3.27 mutable_ids()

```
briar::TemplateIds * briar::DatabaseRetrieveRequest::mutable_ids ( ) [inline]
```

7.209.3.28 New()

```
DatabaseRetrieveRequest* briar::DatabaseRetrieveRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.209.3.29 operator=() [1/2]

```
DatabaseRetrieveRequest& briar::DatabaseRetrieveRequest::operator= (
    const DatabaseRetrieveRequest & from ) [inline]
```

7.209.3.30 operator=() [2/2]

```
DatabaseRetrieveRequest& briar::DatabaseRetrieveRequest::operator= (
    DatabaseRetrieveRequest && from ) [inline], [noexcept]
```

7.209.3.31 release_database()

```
briar::BriarDatabase * briar::DatabaseRetrieveRequest::release_database ( ) [inline]
```

7.209.3.32 release_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveRequest::release_durations ( ) [inline]
```

7.209.3.33 release_ids()

```
briar::TemplateIds * briar::DatabaseRetrieveRequest::release_ids ( ) [inline]
```

7.209.3.34 set_allocated_database()

```
void briar::DatabaseRetrieveRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.209.3.35 set_allocated_durations()

```
void briar::DatabaseRetrieveRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.209.3.36 set_allocated_ids()

```
void briar::DatabaseRetrieveRequest::set_allocated_ids (
    ::briar::TemplateIds * ids ) [inline]
```

7.209.3.37 Swap()

```
void briar::DatabaseRetrieveRequest::Swap (
    DatabaseRetrieveRequest * other ) [inline]
```

7.209.3.38 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::DatabaseRetrieveRequest::unsafe_arena_release_database ( ) [inline]
```

7.209.3.39 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DatabaseRetrieveRequest::unsafe_arena_release_durations ( ) [inline]
```

7.209.3.40 unsafe_arena_release_ids()

```
briar::TemplateIds * briar::DatabaseRetrieveRequest::unsafe_arena_release_ids ( ) [inline]
```

7.209.3.41 unsafe_arena_set_allocated_database()

```
void briar::DatabaseRetrieveRequest::unsafe_arena_set_allocated_database ( ::briar::BriarDatabase * database ) [inline]
```

7.209.3.42 unsafe_arena_set_allocated_durations()

```
void briar::DatabaseRetrieveRequest::unsafe_arena_set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.209.3.43 unsafe_arena_set_allocated_ids()

```
void briar::DatabaseRetrieveRequest::unsafe_arena_set_allocated_ids ( ::briar::TemplateIds * ids ) [inline]
```

7.209.3.44 UnsafeArenaSwap()

```
void briar::DatabaseRetrieveRequest::UnsafeArenaSwap ( DatabaseRetrieveRequest * other ) [inline]
```

7.209.4 Friends And Related Function Documentation

7.209.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.209.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.209.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.209.4.4 swap

```
void swap (
    DatabaseRetrieveRequest & a,
    DatabaseRetrieveRequest & b ) [friend]
```

7.209.5 Member Data Documentation

7.209.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DatabaseRetrieveRequest::_class_<-
data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DatabaseRetrieveRequest::MergeImpl
}
```

7.209.5.2 kIndexInFileMessages

```
constexpr int briar::DatabaseRetrieveRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

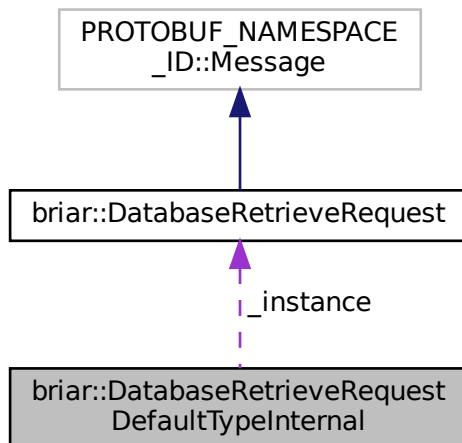
```
= 32
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.210 briar::DatabaseRetrieveRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DatabaseRetrieveRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DatabaseRetrieveRequestDefaultTypeInternal ()
- [~DatabaseRetrieveRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 DatabaseRetrieveRequest _instance

};

7.210.1 Constructor & Destructor Documentation

7.210.1.1 DatabaseRetrieveRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DatabaseRetrieveRequestDefaultTypeInternal::DatabaseRetrieveRequest<-
DefaultTypeInternal ( ) [inline]
```

7.210.1.2 ~DatabaseRetrieveRequestDefaultTypeInternal()

```
briar::DatabaseRetrieveRequestDefaultTypeInternal::~DatabaseRetrieveRequestDefaultTypeInternal
( ) [inline]
```

7.210.2 Member Data Documentation

7.210.2.1

```
union { ... }
```

7.210.2.2 _instance

```
DatabaseRetrieveRequest briar::DatabaseRetrieveRequestDefaultTypeInternal::_instance
```

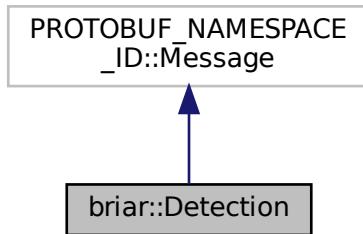
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

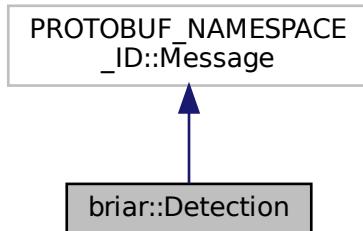
7.211 briar::Detection Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Detection:



Collaboration diagram for briar::Detection:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kAttributesFieldNumber = 7 , kDetectionClassFieldNumber = 6 , kLocationFieldNumber = 2 , kMaskFieldNumber
 = 8 ,
 kMediaFieldNumber = 9 , kConfidenceFieldNumber = 1 , kFrameFieldNumber = 3 , kDetectionIdFieldNumber
 = 4 ,
 kTrackletIdFieldNumber = 5 , kModalityFieldNumber = 10 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_attributes](#) ()
- void [clear_confidence](#) ()
- void [clear_detection_class](#) ()
- void [clear_detection_id](#) ()
- void [clear_frame](#) ()
- void [clear_location](#) ()
- void [clear_mask](#) ()
- void [clear_media](#) ()
- void [clear_modality](#) ()
- void [clear_tracklet_id](#) ()
- float [confidence](#) () const
- void [CopyFrom](#) (const [Detection](#) &from)
- [Detection](#) ()
- PROTOBUF_CONSTEXPR [Detection](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [Detection](#) (const [Detection](#) &from)
- [Detection](#) ([Detection](#) &&from) noexcept
- const std::string & [detection_class](#) () const
- int64_t [detection_id](#) () const
- int32_t [frame](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_location](#) () const
- bool [has_mask](#) () const
- bool [has_media](#) () const
- bool [IsInitialized](#) () const final
- const ::briar::BriarRect & [location](#) () const
- const ::briar::BriarMedia & [mask](#) () const
- const ::briar::BriarMedia & [media](#) () const
- void [MergeFrom](#) (const [Detection](#) &from)
- ::briar::BiometricModality [modality](#) () const
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()
- ::briar::Attribute * [mutable_attributes](#) (int index)
- std::string * [mutable_detection_class](#) ()
- ::briar::BriarRect * [mutable_location](#) ()
- ::briar::BriarMedia * [mutable_mask](#) ()
- ::briar::BriarMedia * [mutable_media](#) ()
- [Detection](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [Detection](#) & [operator=](#) (const [Detection](#) &from)
- [Detection](#) & [operator=](#) ([Detection](#) &&from) noexcept
- PROTOBUF_NODISCARD std::string * [release_detection_class](#) ()
- PROTOBUF_NODISCARD ::briar::BriarRect * [release_location](#) ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * [release_mask](#) ()

- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media ()`
- void `set_allocated_detection_class (std::string *detection_class)`
- void `set_allocated_location (::briar::BriarRect *location)`
- void `set_allocated_mask (::briar::BriarMedia *mask)`
- void `set_allocated_media (::briar::BriarMedia *media)`
- void `set_confidence (float value)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_detection_class (ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_detection_class (ArgT0 &&arg0, ArgT... args)`
- void `set_detection_id (int64_t value)`
- void `set_frame (int32_t value)`
- void `set_modality (::briar::BiometricModality value)`
- void `set_tracklet_id (int64_t value)`
- void `Swap (Detection *other)`
- int64_t `tracklet_id () const`
- ::briar::BriarRect * `unsafe_arena_release_location ()`
- ::briar::BriarMedia * `unsafe_arena_release_mask ()`
- ::briar::BriarMedia * `unsafe_arena_release_media ()`
- void `unsafe_arena_set_allocated_location (::briar::BriarRect *location)`
- void `unsafe_arena_set_allocated_mask (::briar::BriarMedia *mask)`
- void `unsafe_arena_set_allocated_media (::briar::BriarMedia *media)`
- void `UnsafeArenaSwap (Detection *other)`
- `~Detection () override`

Static Public Member Functions

- static const `Detection & default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const `Detection * internal_default_instance ()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `Detection (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void `swap (Detection &a, Detection &b)`

7.211.1 Member Enumeration Documentation

7.211.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kAttributesFieldNumber	
kDetectionClassFieldNumber	
kLocationFieldNumber	
kMaskFieldNumber	
kMediaFieldNumber	
kConfidenceFieldNumber	
kFrameFieldNumber	
kDetectionIdFieldNumber	
kTrackletIdFieldNumber	
kModalityFieldNumber	

7.211.2 Constructor & Destructor Documentation**7.211.2.1 Detection() [1/5]**

```
briar::Detection::Detection () [inline]
```

7.211.2.2 ~Detection()

```
briar::Detection::~Detection () [override]
```

7.211.2.3 Detection() [2/5]

```
PROTOBUF_CONSTEXPR briar::Detection::Detection (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.211.2.4 Detection() [3/5]

```
briar::Detection::Detection (
    const Detection & from )
```

7.211.2.5 Detection() [4/5]

```
briar::Detection::Detection (
    Detection && from )  [inline], [noexcept]
```

7.211.2.6 Detection() [5/5]

```
briar::Detection::Detection (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false )  [explicit], [protected]
```

7.211.3 Member Function Documentation

7.211.3.1 _InternalParse()

```
const char * briar::Detection::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx )  [final]
```

7.211.3.2 _InternalSerialize()

```
uint8_t * briar::Detection::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const  [final]
```

7.211.3.3 add_attributes()

```
briar::Attribute * briar::Detection::add_attributes ( )  [inline]
```

7.211.3.4 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::Detection::attributes ( ) const  [inline]
```

7.211.3.5 attributes() [2/2]

```
const ::briar::Attribute & briar::Detection::attributes (
    int index ) const [inline]
```

7.211.3.6 attributes_size()

```
int briar::Detection::attributes_size ( ) const [inline]
```

7.211.3.7 ByteSizeLong()

```
size_t briar::Detection::ByteSizeLong ( ) const [final]
```

7.211.3.8 Clear()

```
void briar::Detection::Clear ( ) [final]
```

7.211.3.9 clear_attributes()

```
void briar::Detection::clear_attributes ( ) [inline]
```

7.211.3.10 clear_confidence()

```
void briar::Detection::clear_confidence ( ) [inline]
```

7.211.3.11 clear_detection_class()

```
void briar::Detection::clear_detection_class ( ) [inline]
```

7.211.3.12 clear_detection_id()

```
void briar::Detection::clear_detection_id ( ) [inline]
```

7.211.3.13 clear_frame()

```
void briar::Detection::clear_frame ( ) [inline]
```

7.211.3.14 clear_location()

```
void briar::Detection::clear_location ( ) [inline]
```

7.211.3.15 clear_mask()

```
void briar::Detection::clear_mask ( ) [inline]
```

7.211.3.16 clear_media()

```
void briar::Detection::clear_media ( ) [inline]
```

7.211.3.17 clear_modality()

```
void briar::Detection::clear_modality ( ) [inline]
```

7.211.3.18 clear_tracklet_id()

```
void briar::Detection::clear_tracklet_id ( ) [inline]
```

7.211.3.19 confidence()

```
float briar::Detection::confidence ( ) const [inline]
```

7.211.3.20 CopyFrom()

```
void briar::Detection::CopyFrom (
    const Detection & from )
```

7.211.3.21 default_instance()

```
static const Detection& briar::Detection::default_instance () [inline], [static]
```

7.211.3.22 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Detection::descriptor () [inline], [static]
```

7.211.3.23 detection_class()

```
const std::string & briar::Detection::detection_class () const [inline]
```

7.211.3.24 detection_id()

```
int64_t briar::Detection::detection_id () const [inline]
```

7.211.3.25 frame()

```
int32_t briar::Detection::frame () const [inline]
```

7.211.3.26 GetCachedSize()

```
int briar::Detection::GetCachedSize () const [inline], [final]
```

7.211.3.27 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Detection::GetClassData ( ) const  
[final]
```

7.211.3.28 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Detection::GetDescriptor ( ) [inline],  
[static]
```

7.211.3.29 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Detection::GetMetadata ( ) const [final]
```

7.211.3.30 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Detection::GetReflection ( ) [inline],  
[static]
```

7.211.3.31 has_location()

```
bool briar::Detection::has_location ( ) const [inline]
```

7.211.3.32 has_mask()

```
bool briar::Detection::has_mask ( ) const [inline]
```

7.211.3.33 has_media()

```
bool briar::Detection::has_media ( ) const [inline]
```

7.211.3.34 internal_default_instance()

```
static const Detection\* briar::Detection::internal_default_instance ( ) [inline], [static]
```

7.211.3.35 IsInitialized()

```
bool briar::Detection::IsInitialized ( ) const [final]
```

7.211.3.36 location()

```
const ::briar::BriarRect & briar::Detection::location ( ) const [inline]
```

7.211.3.37 mask()

```
const ::briar::BriarMedia & briar::Detection::mask ( ) const [inline]
```

7.211.3.38 media()

```
const ::briar::BriarMedia & briar::Detection::media ( ) const [inline]
```

7.211.3.39 MergeFrom()

```
void briar::Detection::MergeFrom (
    const Detection & from )
```

7.211.3.40 modality()

```
briar::BiometricModality briar::Detection::modality ( ) const [inline]
```

7.211.3.41 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::Detection::mutable_<-  
attributes ( ) [inline]
```

7.211.3.42 mutable_attributes() [2/2]

```
briar::Attribute * briar::Detection::mutable_attributes (   
    int index ) [inline]
```

7.211.3.43 mutable_detection_class()

```
std::string * briar::Detection::mutable_detection_class ( ) [inline]
```

7.211.3.44 mutable_location()

```
briar::BriarRect * briar::Detection::mutable_location ( ) [inline]
```

7.211.3.45 mutable_mask()

```
briar::BriarMedia * briar::Detection::mutable_mask ( ) [inline]
```

7.211.3.46 mutable_media()

```
briar::BriarMedia * briar::Detection::mutable_media ( ) [inline]
```

7.211.3.47 New()

```
Detection* briar::Detection::New (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.211.3.48 operator=() [1/2]

```
Detection& briar::Detection::operator= (
    const Detection & from ) [inline]
```

7.211.3.49 operator=() [2/2]

```
Detection& briar::Detection::operator= (
    Detection && from ) [inline], [noexcept]
```

7.211.3.50 release_detection_class()

```
std::string * briar::Detection::release_detection_class () [inline]
```

7.211.3.51 release_location()

```
briar::BriarRect * briar::Detection::release_location () [inline]
```

7.211.3.52 release_mask()

```
briar::BriarMedia * briar::Detection::release_mask () [inline]
```

7.211.3.53 release_media()

```
briar::BriarMedia * briar::Detection::release_media () [inline]
```

7.211.3.54 set_allocated_detection_class()

```
void briar::Detection::set_allocated_detection_class (
    std::string * detection_class ) [inline]
```

7.211.3.55 set_allocated_location()

```
void briar::Detection::set_allocated_location (
    ::briar::BriarRect * location ) [inline]
```

7.211.3.56 set_allocated_mask()

```
void briar::Detection::set_allocated_mask (
    ::briar::BriarMedia * mask ) [inline]
```

7.211.3.57 set_allocated_media()

```
void briar::Detection::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.211.3.58 set_confidence()

```
void briar::Detection::set_confidence (
    float value ) [inline]
```

7.211.3.59 set_detection_class() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Detection::set_detection_class (
    ArgT0 && arg0,
    ArgT... args )
```

7.211.3.60 set_detection_class() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Detection::set_detection_class (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.211.3.61 set_detection_id()

```
void briar::Detection::set_detection_id (
    int64_t value ) [inline]
```

7.211.3.62 set_frame()

```
void briar::Detection::set_frame (
    int32_t value ) [inline]
```

7.211.3.63 set_modality()

```
void briar::Detection::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.211.3.64 set_tracklet_id()

```
void briar::Detection::set_tracklet_id (
    int64_t value ) [inline]
```

7.211.3.65 Swap()

```
void briar::Detection::Swap (
    Detection * other ) [inline]
```

7.211.3.66 tracklet_id()

```
int64_t briar::Detection::tracklet_id ( ) const [inline]
```

7.211.3.67 unsafe_arena_release_location()

```
briar::BriarRect * briar::Detection::unsafe_arena_release_location ( ) [inline]
```

7.211.3.68 unsafe_arena_release_mask()

```
briar::BriarMedia * briar::Detection::unsafe_arena_release_mask ( ) [inline]
```

7.211.3.69 unsafe_arena_release_media()

```
briar::BriarMedia * briar::Detection::unsafe_arena_release_media ( ) [inline]
```

7.211.3.70 unsafe_arena_set_allocated_location()

```
void briar::Detection::unsafe_arena_set_allocated_location (
    ::briar::BriarRect * location ) [inline]
```

7.211.3.71 unsafe_arena_set_allocated_mask()

```
void briar::Detection::unsafe_arena_set_allocated_mask (
    ::briar::BriarMedia * mask ) [inline]
```

7.211.3.72 unsafe_arena_set_allocated_media()

```
void briar::Detection::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.211.3.73 UnsafeArenaSwap()

```
void briar::Detection::UnsafeArenaSwap (
    Detection * other ) [inline]
```

7.211.4 Friends And Related Function Documentation

7.211.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.211.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.211.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.211.4.4 swap

```
void swap (
    Detection & a,
    Detection & b ) [friend]
```

7.211.5 Member Data Documentation

7.211.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Detection::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    Detection::MergeImpl
}
```

7.211.5.2 kIndexInFileMessages

```
constexpr int briar::Detection::kIndexInFileMessages [static], [constexpr]
```

Initial value:

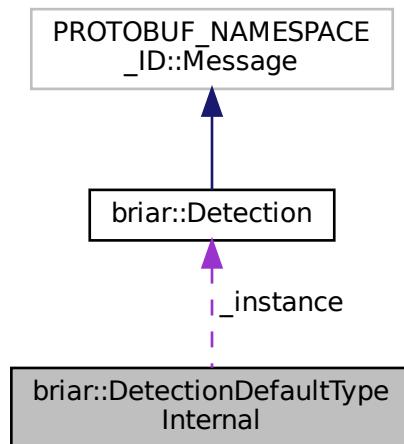
```
= 17
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.212 briar::DetectionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DetectionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR `DetectionDefaultTypeInternal()`
- `~DetectionDefaultTypeInternal()`

Public Attributes

- union {
 `Detection _instance`
};

7.212.1 Constructor & Destructor Documentation

7.212.1.1 `DetectionDefaultTypeInternal()`

```
PROTOBUF_CONSTEXPR briar::DetectionDefaultTypeInternal::DetectionDefaultTypeInternal() [inline]
```

7.212.1.2 ~DetectionDefaultTypeInternal()

```
briar::DetectionDefaultTypeInternal::~DetectionDefaultTypeInternal () [inline]
```

7.212.2 Member Data Documentation

7.212.2.1

```
union { ... }
```

7.212.2.2 _instance

```
Detection briar::DetectionDefaultTypeInternal::_instance
```

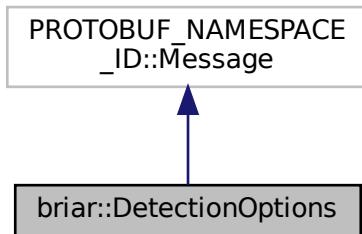
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/_grpc/briar.pb.cc

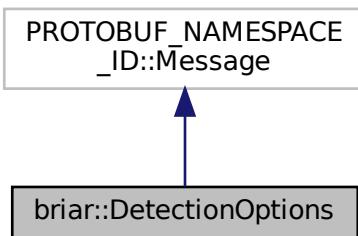
7.213 briar::DetectionOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::DetectionOptions:



Collaboration diagram for briar::DetectionOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kAttributesFieldNumber](#) = 14 , [kAlgorithmIdFieldNumber](#) = 1 , [kBestFieldNumber](#) = 2 , [kFaceThresholdFieldNumber](#) = 3 ,
 [kBodyThresholdFieldNumber](#) = 4 , [kFaceMinHeightFieldNumber](#) = 5 , [kBodyMinHeightFieldNumber](#) = 6 ,
 [kDetectBatchFieldNumber](#) = 7 ,
 [kEnableMetadataFieldNumber](#) = 8 , [kDebugFieldNumber](#) = 9 , [kReturnMediaFieldNumber](#) = 10 ,
 [kTrackingOptionsFieldNumber](#) = 11 ,
 [kModalityFieldNumber](#) = 12 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::briar::StringOption & [algorithm_id](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- const ::briar::BoolOption & [best](#) () const
- const ::briar::IntOption & [body_min_height](#) () const
- const ::briar::FloatOption & [body_threshold](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_algorithm_id](#) ()
- void [clear_attributes](#) ()
- void [clear_best](#) ()
- void [clear_body_min_height](#) ()

- void `clear_body_threshold ()`
- void `clear_debug ()`
- void `clear_detect_batch ()`
- void `clear_enable_metadata ()`
- void `clear_face_min_height ()`
- void `clear_face_threshold ()`
- void `clear_modality ()`
- void `clear_return_media ()`
- void `clear_tracking_options ()`
- void `CopyFrom (const DetectionOptions &from)`
- const `::briar::BoolOption & debug () const`
- const `::briar::IntOption & detect_batch () const`
- `DetectionOptions ()`
- PROTOBUF_CONSTEXPR `DetectionOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `DetectionOptions (const DetectionOptions &from)`
- `DetectionOptions (DetectionOptions &&from) noexcept`
- const `::briar::BoolOption & enable_metadata () const`
- const `::briar::IntOption & face_min_height () const`
- const `::briar::FloatOption & face_threshold () const`
- int `GetCachedSize () const final`
- const `::PROTOBUF_NAMESPACE_ID::Message::ClassData * GetClassData () const final`
- `::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final`
- bool `has_algorithm_id () const`
- bool `has_best () const`
- bool `has_body_min_height () const`
- bool `has_body_threshold () const`
- bool `has_debug () const`
- bool `has_detect_batch () const`
- bool `has_enable_metadata () const`
- bool `has_face_min_height () const`
- bool `has_face_threshold () const`
- bool `has_return_media () const`
- bool `has_tracking_options () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const DetectionOptions &from)`
- `::briar::BiometricModality modality () const`
- `::briar::StringOption * mutable_algorithm_id ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * mutable_attributes ()`
- `::briar::Attribute * mutable_attributes (int index)`
- `::briar::BoolOption * mutable_best ()`
- `::briar::IntOption * mutable_body_min_height ()`
- `::briar::FloatOption * mutable_body_threshold ()`
- `::briar::BoolOption * mutable_debug ()`
- `::briar::IntOption * mutable_detect_batch ()`
- `::briar::BoolOption * mutable_enable_metadata ()`
- `::briar::IntOption * mutable_face_min_height ()`
- `::briar::FloatOption * mutable_face_threshold ()`
- `::briar::BoolOption * mutable_return_media ()`
- `::briar::TrackingOptions * mutable_tracking_options ()`
- `DetectionOptions * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `DetectionOptions & operator= (const DetectionOptions &from)`
- `DetectionOptions & operator= (DetectionOptions &&from) noexcept`
- PROTOBUF_NODISCARD `::briar::StringOption * release_algorithm_id ()`
- PROTOBUF_NODISCARD `::briar::BoolOption * release_best ()`
- PROTOBUF_NODISCARD `::briar::IntOption * release_body_min_height ()`

- PROTOBUF_NODISCARD ::briar::FloatOption * `release_body_threshold ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_debug ()`
- PROTOBUF_NODISCARD ::briar::IntOption * `release_detect_batch ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_enable_metadata ()`
- PROTOBUF_NODISCARD ::briar::IntOption * `release_face_min_height ()`
- PROTOBUF_NODISCARD ::briar::FloatOption * `release_face_threshold ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_return_media ()`
- PROTOBUF_NODISCARD ::briar::TrackingOptions * `release_tracking_options ()`
- const ::briar::BoolOption & `return_media () const`
- void `set_allocated_algorithm_id (::briar::StringOption *algorithm_id)`
- void `set_allocated_best (::briar::BoolOption *best)`
- void `set_allocated_body_min_height (::briar::IntOption *body_min_height)`
- void `set_allocated_body_threshold (::briar::FloatOption *body_threshold)`
- void `set_allocated_debug (::briar::BoolOption *debug)`
- void `set_allocated_detect_batch (::briar::IntOption *detect_batch)`
- void `set_allocated_enable_metadata (::briar::BoolOption *enable_metadata)`
- void `set_allocated_face_min_height (::briar::IntOption *face_min_height)`
- void `set_allocated_face_threshold (::briar::FloatOption *face_threshold)`
- void `set_allocated_return_media (::briar::BoolOption *return_media)`
- void `set_allocated_tracking_options (::briar::TrackingOptions *tracking_options)`
- void `set_modality (::briar::BiometricModality value)`
- void `Swap (DetectionOptions *other)`
- const ::briar::TrackingOptions & `tracking_options () const`
- ::briar::StringOption * `unsafe_arena_release_algorithm_id ()`
- ::briar::BoolOption * `unsafe_arena_release_best ()`
- ::briar::IntOption * `unsafe_arena_release_body_min_height ()`
- ::briar::FloatOption * `unsafe_arena_release_body_threshold ()`
- ::briar::BoolOption * `unsafe_arena_release_debug ()`
- ::briar::IntOption * `unsafe_arena_release_detect_batch ()`
- ::briar::BoolOption * `unsafe_arena_release_enable_metadata ()`
- ::briar::IntOption * `unsafe_arena_release_face_min_height ()`
- ::briar::FloatOption * `unsafe_arena_release_face_threshold ()`
- ::briar::BoolOption * `unsafe_arena_release_return_media ()`
- ::briar::TrackingOptions * `unsafe_arena_release_tracking_options ()`
- void `unsafe_arena_set_allocated_algorithm_id (::briar::StringOption *algorithm_id)`
- void `unsafe_arena_set_allocated_best (::briar::BoolOption *best)`
- void `unsafe_arena_set_allocated_body_min_height (::briar::IntOption *body_min_height)`
- void `unsafe_arena_set_allocated_body_threshold (::briar::FloatOption *body_threshold)`
- void `unsafe_arena_set_allocated_debug (::briar::BoolOption *debug)`
- void `unsafe_arena_set_allocated_detect_batch (::briar::IntOption *detect_batch)`
- void `unsafe_arena_set_allocated_enable_metadata (::briar::BoolOption *enable_metadata)`
- void `unsafe_arena_set_allocated_face_min_height (::briar::IntOption *face_min_height)`
- void `unsafe_arena_set_allocated_face_threshold (::briar::FloatOption *face_threshold)`
- void `unsafe_arena_set_allocated_return_media (::briar::BoolOption *return_media)`
- void `unsafe_arena_set_allocated_tracking_options (::briar::TrackingOptions *tracking_options)`
- void `UnsafeArenaSwap (DetectionOptions *other)`
- `~DetectionOptions () override`

Static Public Member Functions

- static const `DetectionOptions & default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const `DetectionOptions * internal_default_instance ()`

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [DetectionOptions](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto
- void [swap](#) ([DetectionOptions](#) &a, [DetectionOptions](#) &b)

7.213.1 Member Enumeration Documentation

7.213.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kAttributesFieldNumber
kAlgorithmIdFieldNumber
kBestFieldNumber
kFaceThresholdFieldNumber
kBodyThresholdFieldNumber
kFaceMinHeightFieldNumber
kBodyMinHeightFieldNumber
kDetectBatchFieldNumber
kEnableMetadataFieldNumber
kDebugFieldNumber
kReturnMediaFieldNumber
kTrackingOptionsFieldNumber
kModalityFieldNumber

7.213.2 Constructor & Destructor Documentation

7.213.2.1 DetectionOptions() [1/5]

```
briar::DetectionOptions::DetectionOptions ( ) [inline]
```

7.213.2.2 ~DetectionOptions()

```
briar::DetectionOptions::~DetectionOptions ( ) [override]
```

7.213.2.3 DetectionOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::DetectionOptions::DetectionOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.213.2.4 DetectionOptions() [3/5]

```
briar::DetectionOptions::DetectionOptions (
    const DetectionOptions & from )
```

7.213.2.5 DetectionOptions() [4/5]

```
briar::DetectionOptions::DetectionOptions (
    DetectionOptions && from ) [inline], [noexcept]
```

7.213.2.6 DetectionOptions() [5/5]

```
briar::DetectionOptions::DetectionOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.213.3 Member Function Documentation

7.213.3.1 `_InternalParse()`

```
const char * briar::DetectionOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.213.3.2 `_InternalSerialize()`

```
uint8_t * briar::DetectionOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.213.3.3 `add_attributes()`

```
briar::Attribute * briar::DetectionOptions::add_attributes ( ) [inline]
```

7.213.3.4 `algorithm_id()`

```
const ::briar::StringOption & briar::DetectionOptions::algorithm_id ( ) const [inline]
```

7.213.3.5 `attributes()` [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::DetectionOptions::attributes ( ) const [inline]
```

7.213.3.6 `attributes()` [2/2]

```
const ::briar::Attribute & briar::DetectionOptions::attributes (
    int index ) const [inline]
```

7.213.3.7 `attributes_size()`

```
int briar::DetectionOptions::attributes_size ( ) const [inline]
```

7.213.3.8 best()

```
const ::briar::BoolOption & briar::DetectionOptions::best () const [inline]
```

7.213.3.9 body_min_height()

```
const ::briar::IntOption & briar::DetectionOptions::body_min_height () const [inline]
```

7.213.3.10 body_threshold()

```
const ::briar::FloatOption & briar::DetectionOptions::body_threshold () const [inline]
```

7.213.3.11 ByteSizeLong()

```
size_t briar::DetectionOptions::ByteSizeLong () const [final]
```

7.213.3.12 Clear()

```
void briar::DetectionOptions::Clear () [final]
```

7.213.3.13 clear_algorithm_id()

```
void briar::DetectionOptions::clear_algorithm_id () [inline]
```

7.213.3.14 clear_attributes()

```
void briar::DetectionOptions::clear_attributes () [inline]
```

7.213.3.15 clear_best()

```
void briar::DetectionOptions::clear_best () [inline]
```

7.213.3.16 clear_body_min_height()

```
void briar::DetectionOptions::clear_body_min_height ( ) [inline]
```

7.213.3.17 clear_body_threshold()

```
void briar::DetectionOptions::clear_body_threshold ( ) [inline]
```

7.213.3.18 clear_debug()

```
void briar::DetectionOptions::clear_debug ( ) [inline]
```

7.213.3.19 clear_detect_batch()

```
void briar::DetectionOptions::clear_detect_batch ( ) [inline]
```

7.213.3.20 clear_enable_metadata()

```
void briar::DetectionOptions::clear_enable_metadata ( ) [inline]
```

7.213.3.21 clear_face_min_height()

```
void briar::DetectionOptions::clear_face_min_height ( ) [inline]
```

7.213.3.22 clear_face_threshold()

```
void briar::DetectionOptions::clear_face_threshold ( ) [inline]
```

7.213.3.23 clear_modality()

```
void briar::DetectionOptions::clear_modality ( ) [inline]
```

7.213.3.24 clear_return_media()

```
void briar::DetectionOptions::clear_return_media ( ) [inline]
```

7.213.3.25 clear_tracking_options()

```
void briar::DetectionOptions::clear_tracking_options ( ) [inline]
```

7.213.3.26 CopyFrom()

```
void briar::DetectionOptions::CopyFrom (
    const DetectionOptions & from )
```

7.213.3.27 debug()

```
const ::briar::BoolOption & briar::DetectionOptions::debug ( ) const [inline]
```

7.213.3.28 default_instance()

```
static const DetectionOptions& briar::DetectionOptions::default_instance ( ) [inline], [static]
```

7.213.3.29 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectionOptions::descriptor ( )
[inline], [static]
```

7.213.3.30 detect_batch()

```
const ::briar::IntOption & briar::DetectionOptions::detect_batch ( ) const [inline]
```

7.213.3.31 enable_metadata()

```
const ::briar::BoolOption & briar::DetectionOptions::enable_metadata () const [inline]
```

7.213.3.32 face_min_height()

```
const ::briar::IntOption & briar::DetectionOptions::face_min_height () const [inline]
```

7.213.3.33 face_threshold()

```
const ::briar::FloatOption & briar::DetectionOptions::face_threshold () const [inline]
```

7.213.3.34 GetCachedSize()

```
int briar::DetectionOptions::GetCachedSize () const [inline], [final]
```

7.213.3.35 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DetectionOptions::GetClassData () const [final]
```

7.213.3.36 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectionOptions::GetDescriptor () [inline], [static]
```

7.213.3.37 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DetectionOptions::GetMetadata () const [final]
```

7.213.3.38 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DetectionOptions::GetReflection ( )  
[inline], [static]
```

7.213.3.39 has_algorithm_id()

```
bool briar::DetectionOptions::has_algorithm_id ( ) const [inline]
```

7.213.3.40 has_best()

```
bool briar::DetectionOptions::has_best ( ) const [inline]
```

7.213.3.41 has_body_min_height()

```
bool briar::DetectionOptions::has_body_min_height ( ) const [inline]
```

7.213.3.42 has_body_threshold()

```
bool briar::DetectionOptions::has_body_threshold ( ) const [inline]
```

7.213.3.43 has_debug()

```
bool briar::DetectionOptions::has_debug ( ) const [inline]
```

7.213.3.44 has_detect_batch()

```
bool briar::DetectionOptions::has_detect_batch ( ) const [inline]
```

7.213.3.45 has_enable_metadata()

```
bool briar::DetectionOptions::has_enable_metadata ( ) const [inline]
```

7.213.3.46 has_face_min_height()

```
bool briar::DetectionOptions::has_face_min_height ( ) const [inline]
```

7.213.3.47 has_face_threshold()

```
bool briar::DetectionOptions::has_face_threshold ( ) const [inline]
```

7.213.3.48 has_return_media()

```
bool briar::DetectionOptions::has_return_media ( ) const [inline]
```

7.213.3.49 has_tracking_options()

```
bool briar::DetectionOptions::has_tracking_options ( ) const [inline]
```

7.213.3.50 internal_default_instance()

```
static const DetectionOptions* briar::DetectionOptions::internal_default_instance ( ) [inline],  
[static]
```

7.213.3.51 IsInitialized()

```
bool briar::DetectionOptions::IsInitialized ( ) const [final]
```

7.213.3.52 MergeFrom()

```
void briar::DetectionOptions::MergeFrom (
    const DetectionOptions & from )
```

7.213.3.53 modality()

```
briar::BiometricModality briar::DetectionOptions::modality () const [inline]
```

7.213.3.54 mutable_algorithm_id()

```
briar::StringOption * briar::DetectionOptions::mutable_algorithm_id () [inline]
```

7.213.3.55 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::DetectionOptions::mutable_attributes () [inline]
```

7.213.3.56 mutable_attributes() [2/2]

```
briar::Attribute * briar::DetectionOptions::mutable_attributes (
    int index ) [inline]
```

7.213.3.57 mutable_best()

```
briar::BoolOption * briar::DetectionOptions::mutable_best () [inline]
```

7.213.3.58 mutable_body_min_height()

```
briar::IntOption * briar::DetectionOptions::mutable_body_min_height () [inline]
```

7.213.3.59 mutable_body_threshold()

```
briar::FloatOption * briar::DetectionOptions::mutable_body_threshold ( ) [inline]
```

7.213.3.60 mutable_debug()

```
briar::BoolOption * briar::DetectionOptions::mutable_debug ( ) [inline]
```

7.213.3.61 mutable_detect_batch()

```
briar::IntOption * briar::DetectionOptions::mutable_detect_batch ( ) [inline]
```

7.213.3.62 mutable_enable_metadata()

```
briar::BoolOption * briar::DetectionOptions::mutable_enable_metadata ( ) [inline]
```

7.213.3.63 mutable_face_min_height()

```
briar::IntOption * briar::DetectionOptions::mutable_face_min_height ( ) [inline]
```

7.213.3.64 mutable_face_threshold()

```
briar::FloatOption * briar::DetectionOptions::mutable_face_threshold ( ) [inline]
```

7.213.3.65 mutable_return_media()

```
briar::BoolOption * briar::DetectionOptions::mutable_return_media ( ) [inline]
```

7.213.3.66 mutable_tracking_options()

```
briar::TrackingOptions * briar::DetectionOptions::mutable_tracking_options ( ) [inline]
```

7.213.3.67 New()

```
DetectionOptions* briar::DetectionOptions::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.213.3.68 operator=() [1/2]

```
DetectionOptions& briar::DetectionOptions::operator= (
    const DetectionOptions & from ) [inline]
```

7.213.3.69 operator=() [2/2]

```
DetectionOptions& briar::DetectionOptions::operator= (
    DetectionOptions && from ) [inline], [noexcept]
```

7.213.3.70 release_algorithm_id()

```
briar::StringOption * briar::DetectionOptions::release_algorithm_id () [inline]
```

7.213.3.71 release_best()

```
briar::BoolOption * briar::DetectionOptions::release_best () [inline]
```

7.213.3.72 release_body_min_height()

```
briar::IntOption * briar::DetectionOptions::release_body_min_height () [inline]
```

7.213.3.73 release_body_threshold()

```
briar::FloatOption * briar::DetectionOptions::release_body_threshold () [inline]
```

7.213.3.74 release_debug()

```
briar::BoolOption * briar::DetectionOptions::release_debug ( ) [inline]
```

7.213.3.75 release_detect_batch()

```
briar::IntOption * briar::DetectionOptions::release_detect_batch ( ) [inline]
```

7.213.3.76 release_enable_metadata()

```
briar::BoolOption * briar::DetectionOptions::release_enable_metadata ( ) [inline]
```

7.213.3.77 release_face_min_height()

```
briar::IntOption * briar::DetectionOptions::release_face_min_height ( ) [inline]
```

7.213.3.78 release_face_threshold()

```
briar::FloatOption * briar::DetectionOptions::release_face_threshold ( ) [inline]
```

7.213.3.79 release_return_media()

```
briar::BoolOption * briar::DetectionOptions::release_return_media ( ) [inline]
```

7.213.3.80 release_tracking_options()

```
briar::TrackingOptions * briar::DetectionOptions::release_tracking_options ( ) [inline]
```

7.213.3.81 return_media()

```
const ::briar::BoolOption & briar::DetectionOptions::return_media ( ) const [inline]
```

7.213.3.82 set_allocated_algorithm_id()

```
void briar::DetectionOptions::set_allocated_algorithm_id (
    ::briar::StringOption * algorithm_id ) [inline]
```

7.213.3.83 set_allocated_best()

```
void briar::DetectionOptions::set_allocated_best (
    ::briar::BoolOption * best ) [inline]
```

7.213.3.84 set_allocated_body_min_height()

```
void briar::DetectionOptions::set_allocated_body_min_height (
    ::briar::IntOption * body_min_height ) [inline]
```

7.213.3.85 set_allocated_body_threshold()

```
void briar::DetectionOptions::set_allocated_body_threshold (
    ::briar::FloatOption * body_threshold ) [inline]
```

7.213.3.86 set_allocated_debug()

```
void briar::DetectionOptions::set_allocated_debug (
    ::briar::BoolOption * debug ) [inline]
```

7.213.3.87 set_allocated_detect_batch()

```
void briar::DetectionOptions::set_allocated_detect_batch (
    ::briar::IntOption * detect_batch ) [inline]
```

7.213.3.88 set_allocated_enable_metadata()

```
void briar::DetectionOptions::set_allocated_enable_metadata (
    ::briar::BoolOption * enable_metadata ) [inline]
```

7.213.3.89 set_allocated_face_min_height()

```
void briar::DetectionOptions::set_allocated_face_min_height (
    ::briar::IntOption * face_min_height ) [inline]
```

7.213.3.90 set_allocated_face_threshold()

```
void briar::DetectionOptions::set_allocated_face_threshold (
    ::briar::FloatOption * face_threshold ) [inline]
```

7.213.3.91 set_allocated_return_media()

```
void briar::DetectionOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.213.3.92 set_allocated_tracking_options()

```
void briar::DetectionOptions::set_allocated_tracking_options (
    ::briar::TrackingOptions * tracking_options ) [inline]
```

7.213.3.93 set_modality()

```
void briar::DetectionOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.213.3.94 Swap()

```
void briar::DetectionOptions::Swap (
    DetectionOptions * other ) [inline]
```

7.213.3.95 tracking_options()

```
const ::briar::TrackingOptions & briar::DetectionOptions::tracking_options ( ) const [inline]
```

7.213.3.96 unsafe_arena_release_algorithm_id()

```
briar::StringOption * briar::DetectionOptions::unsafe_arena_release_algorithm_id ( ) [inline]
```

7.213.3.97 unsafe_arena_release_best()

```
briar::BoolOption * briar::DetectionOptions::unsafe_arena_release_best ( ) [inline]
```

7.213.3.98 unsafe_arena_release_body_min_height()

```
briar::IntOption * briar::DetectionOptions::unsafe_arena_release_body_min_height ( ) [inline]
```

7.213.3.99 unsafe_arena_release_body_threshold()

```
briar::FloatOption * briar::DetectionOptions::unsafe_arena_release_body_threshold ( ) [inline]
```

7.213.3.100 unsafe_arena_release_debug()

```
briar::BoolOption * briar::DetectionOptions::unsafe_arena_release_debug ( ) [inline]
```

7.213.3.101 unsafe_arena_release_detect_batch()

```
briar::IntOption * briar::DetectionOptions::unsafe_arena_release_detect_batch ( ) [inline]
```

7.213.3.102 unsafe_arena_release_enable_metadata()

```
briar::BoolOption * briar::DetectionOptions::unsafe_arena_release_enable_metadata ( ) [inline]
```

7.213.3.103 unsafe_arena_release_face_min_height()

```
briar::IntOption * briar::DetectionOptions::unsafe_arena_release_face_min_height ( ) [inline]
```

7.213.3.104 unsafe_arena_release_face_threshold()

```
briar::FloatOption * briar::DetectionOptions::unsafe_arena_release_face_threshold ( ) [inline]
```

7.213.3.105 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::DetectionOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.213.3.106 unsafe_arena_release_tracking_options()

```
briar::TrackingOptions * briar::DetectionOptions::unsafe_arena_release_tracking_options ( ) [inline]
```

7.213.3.107 unsafe_arena_set_allocated_algorithm_id()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_algorithm_id ( ::briar::StringOption * algorithm_id ) [inline]
```

7.213.3.108 unsafe_arena_set_allocated_best()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_best ( ::briar::BoolOption * best ) [inline]
```

7.213.3.109 unsafe_arena_set_allocated_body_min_height()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_body_min_height ( ::briar::IntOption * body_min_height ) [inline]
```

7.213.3.110 unsafe_arena_set_allocated_body_threshold()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_body_threshold ( ::briar::FloatOption * body_threshold ) [inline]
```

7.213.3.111 unsafe_arena_set_allocated_debug()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_debug (
    ::briar::BoolOption * debug ) [inline]
```

7.213.3.112 unsafe_arena_set_allocated_detect_batch()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_detect_batch (
    ::briar::IntOption * detect_batch ) [inline]
```

7.213.3.113 unsafe_arena_set_allocated_enable_metadata()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_enable_metadata (
    ::briar::BoolOption * enable_metadata ) [inline]
```

7.213.3.114 unsafe_arena_set_allocated_face_min_height()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_face_min_height (
    ::briar::IntOption * face_min_height ) [inline]
```

7.213.3.115 unsafe_arena_set_allocated_face_threshold()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_face_threshold (
    ::briar::FloatOption * face_threshold ) [inline]
```

7.213.3.116 unsafe_arena_set_allocated_return_media()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.213.3.117 unsafe_arena_set_allocated_tracking_options()

```
void briar::DetectionOptions::unsafe_arena_set_allocated_tracking_options (
    ::briar::TrackingOptions * tracking_options ) [inline]
```

7.213.3.118 UnsafeArenaSwap()

```
void briar::DetectionOptions::UnsafeArenaSwap (
    DetectionOptions * other ) [inline]
```

7.213.4 Friends And Related Function Documentation

7.213.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.213.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.213.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.213.4.4 swap

```
void swap (
    DetectionOptions & a,
    DetectionOptions & b ) [friend]
```

7.213.5 Member Data Documentation

7.213.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DetectionOptions::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DetectionOptions::MergeImpl
}
```

7.213.5.2 kIndexInFileMessages

```
constexpr int briar::DetectionOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

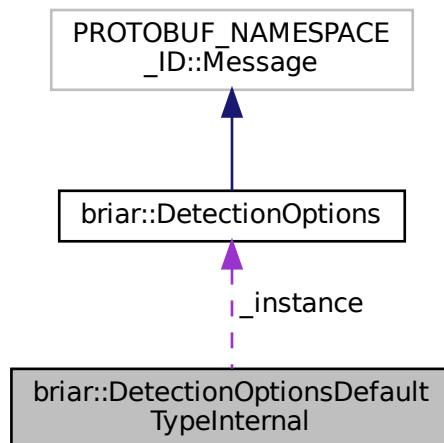
```
= 19
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.214 briar::DetectionOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DetectionOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DetectionOptionsDefaultTypeInternal ()
- ~`DetectionOptionsDefaultTypeInternal` ()

Public Attributes

- union {
 DetectionOptions _instance
};

7.214.1 Constructor & Destructor Documentation

7.214.1.1 DetectionOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DetectionOptionsDefaultTypeInternal::DetectionOptionsDefaultTypeInternal ( ) [inline]
```

7.214.1.2 ~DetectionOptionsDefaultTypeInternal()

```
briar::DetectionOptionsDefaultTypeInternal::~DetectionOptionsDefaultTypeInternal ( ) [inline]
```

7.214.2 Member Data Documentation

7.214.2.1

```
union { ... }
```

7.214.2.2 _instance

```
DetectionOptions briar::DetectionOptionsDefaultTypeInternal::_instance
```

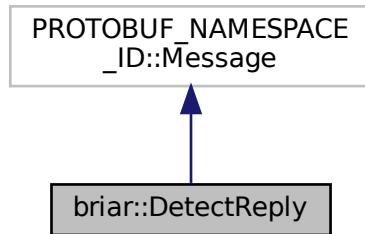
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

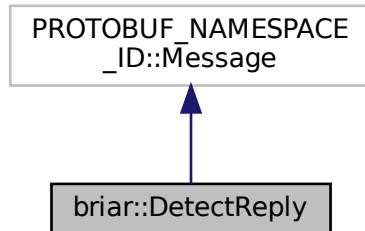
7.215 briar::DetectReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DetectReply:



Collaboration diagram for briar::DetectReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kDetectionsFieldNumber = 1 , kDurationsFieldNumber = 2 , kErrorsFieldNumber = 5 , kProgressFieldNumber
 = 6 ,
 kReferenceMediaFieldNumber = 7 , kFrameIdFieldNumber = 3 , kModalityFieldNumber = 4 , kProgressOnlyReplyFieldNumber
 = 8 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * `add_detections` ()
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_detections` ()
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_frame_id` ()
- void `clear_modality` ()
- void `clear_progress` ()
- void `clear_progress_only_reply` ()
- void `clear_reference_media` ()
- void `CopyFrom` (const `DetectReply` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & `detections` () const
- const ::briar::Detection & `detections` (int index) const
- int `detections_size` () const
- `DetectReply` ()
- PROTOBUF_CONSTEXPR `DetectReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `DetectReply` (const `DetectReply` &from)
- `DetectReply` (`DetectReply` &&from) noexcept
- const ::briar::BriarDurations & `durations` () const
- const ::briar::BriarErrors & `errors` () const
- int64_t `frame_id` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `has_progress` () const
- bool `has_reference_media` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `DetectReply` &from)
- ::briar::BiometricModality `modality` () const
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * `mutable_detections` ()
- ::briar::Detection * `mutable_detections` (int index)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- ::briar::BriarProgress * `mutable_progress` ()
- ::briar::BriarMedia * `mutable_reference_media` ()
- `DetectReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DetectReply` & `operator=` (const `DetectReply` &from)
- `DetectReply` & `operator=` (`DetectReply` &&from) noexcept
- const ::briar::BriarProgress & `progress` () const
- bool `progress_only_reply` () const
- const ::briar::BriarMedia & `reference_media` () const
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * `release_progress` ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_reference_media` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)

- void `set_allocated_errors` (::briar::BriarErrors *errors)
- void `set_allocated_progress` (::briar::BriarProgress *progress)
- void `set_allocated_reference_media` (::briar::BriarMedia *reference_media)
- void `set_frame_id` (int64_t value)
- void `set_modality` (::briar::BiometricModality value)
- void `set_progress_only_reply` (bool value)
- void `Swap` (DetectReply *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- ::briar::BriarProgress * `unsafe_arena_release_progress` ()
- ::briar::BriarMedia * `unsafe_arena_release_reference_media` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *errors)
- void `unsafe_arena_set_allocated_progress` (::briar::BriarProgress *progress)
- void `unsafe_arena_set_allocated_reference_media` (::briar::BriarMedia *reference_media)
- void `UnsafeArenaSwap` (DetectReply *other)
- `~DetectReply` () override

Static Public Member Functions

- static const DetectReply & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const DetectReply * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DetectReply` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void `swap` (DetectReply &a, DetectReply &b)

7.215.1 Member Enumeration Documentation

7.215.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	
kReferenceMediaFieldNumber	
kFrameIdFieldNumber	
kModalityFieldNumber	
kProgressOnlyReplyFieldNumber	

7.215.2 Constructor & Destructor Documentation**7.215.2.1 DetectReply() [1/5]**

```
briar::DetectReply::DetectReply ( ) [inline]
```

7.215.2.2 ~DetectReply()

```
briar::DetectReply::~DetectReply ( ) [override]
```

7.215.2.3 DetectReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::DetectReply::DetectReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.215.2.4 DetectReply() [3/5]

```
briar::DetectReply::DetectReply (
    const DetectReply & from )
```

7.215.2.5 DetectReply() [4/5]

```
briar::DetectReply::DetectReply (
    DetectReply && from ) [inline], [noexcept]
```

7.215.2.6 DetectReply() [5/5]

```
briar::DetectReply::DetectReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.215.3 Member Function Documentation

7.215.3.1 _InternalParse()

```
const char * briar::DetectReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.215.3.2 _InternalSerialize()

```
uint8_t * briar::DetectReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.215.3.3 add_detections()

```
briar::Detection * briar::DetectReply::add_detections () [inline]
```

7.215.3.4 ByteSizeLong()

```
size_t briar::DetectReply::ByteSizeLong () const [final]
```

7.215.3.5 Clear()

```
void briar::DetectReply::Clear () [final]
```

7.215.3.6 clear_detections()

```
void briar::DetectReply::clear_detections ( )
```

7.215.3.7 clear_durations()

```
void briar::DetectReply::clear_durations ( )
```

7.215.3.8 clear_errors()

```
void briar::DetectReply::clear_errors ( )
```

7.215.3.9 clear_frame_id()

```
void briar::DetectReply::clear_frame_id ( ) [inline]
```

7.215.3.10 clear_modality()

```
void briar::DetectReply::clear_modality ( ) [inline]
```

7.215.3.11 clear_progress()

```
void briar::DetectReply::clear_progress ( )
```

7.215.3.12 clear_progress_only_reply()

```
void briar::DetectReply::clear_progress_only_reply ( ) [inline]
```

7.215.3.13 clear_reference_media()

```
void briar::DetectReply::clear_reference_media ( )
```

7.215.3.14 CopyFrom()

```
void briar::DetectReply::CopyFrom (
    const DetectReply & from )
```

7.215.3.15 default_instance()

```
static const DetectReply& briar::DetectReply::default_instance () [inline], [static]
```

7.215.3.16 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectReply::descriptor () [inline], [static]
```

7.215.3.17 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::DetectReply::detections () const [inline]
```

7.215.3.18 detections() [2/2]

```
const ::briar::Detection & briar::DetectReply::detections (
    int index ) const [inline]
```

7.215.3.19 detections_size()

```
int briar::DetectReply::detections_size () const [inline]
```

7.215.3.20 durations()

```
const ::briar::BriarDurations & briar::DetectReply::durations () const [inline]
```

7.215.3.21 errors()

```
const ::briar::BriarErrors & briar::DetectReply::errors ( ) const [inline]
```

7.215.3.22 frame_id()

```
int64_t briar::DetectReply::frame_id ( ) const [inline]
```

7.215.3.23 GetCachedSize()

```
int briar::DetectReply::GetCachedSize ( ) const [inline], [final]
```

7.215.3.24 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DetectReply::GetClassData ( ) const [final]
```

7.215.3.25 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectReply::GetDescriptor ( ) [inline], [static]
```

7.215.3.26 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DetectReply::GetMetadata ( ) const [final]
```

7.215.3.27 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DetectReply::GetReflection ( ) [inline], [static]
```

7.215.3.28 has_durations()

```
bool briar::DetectReply::has_durations ( ) const [inline]
```

7.215.3.29 has_errors()

```
bool briar::DetectReply::has_errors ( ) const [inline]
```

7.215.3.30 has_progress()

```
bool briar::DetectReply::has_progress ( ) const [inline]
```

7.215.3.31 has_reference_media()

```
bool briar::DetectReply::has_reference_media ( ) const [inline]
```

7.215.3.32 internal_default_instance()

```
static const DetectReply* briar::DetectReply::internal_default_instance ( ) [inline], [static]
```

7.215.3.33 IsInitialized()

```
bool briar::DetectReply::IsInitialized ( ) const [final]
```

7.215.3.34 MergeFrom()

```
void briar::DetectReply::MergeFrom (
    const DetectReply & from )
```

7.215.3.35 modality()

```
briar::BiometricModality briar::DetectReply::modality ( ) const [inline]
```

7.215.3.36 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::DetectReply::mutable_detections ( ) [inline]
```

7.215.3.37 mutable_detections() [2/2]

```
briar::Detection * briar::DetectReply::mutable_detections ( int index ) [inline]
```

7.215.3.38 mutable_durations()

```
briar::BriarDurations * briar::DetectReply::mutable_durations ( ) [inline]
```

7.215.3.39 mutable_errors()

```
briar::BriarErrors * briar::DetectReply::mutable_errors ( ) [inline]
```

7.215.3.40 mutable_progress()

```
briar::BriarProgress * briar::DetectReply::mutable_progress ( ) [inline]
```

7.215.3.41 mutable_reference_media()

```
briar::BriarMedia * briar::DetectReply::mutable_reference_media ( ) [inline]
```

7.215.3.42 New()

```
DetectReply* briar::DetectReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.215.3.43 operator=() [1/2]

```
DetectReply& briar::DetectReply::operator= (
    const DetectReply & from ) [inline]
```

7.215.3.44 operator=() [2/2]

```
DetectReply& briar::DetectReply::operator= (
    DetectReply && from ) [inline], [noexcept]
```

7.215.3.45 progress()

```
const ::briar::BriarProgress & briar::DetectReply::progress () const [inline]
```

7.215.3.46 progress_only_reply()

```
bool briar::DetectReply::progress_only_reply () const [inline]
```

7.215.3.47 reference_media()

```
const ::briar::BriarMedia & briar::DetectReply::reference_media () const [inline]
```

7.215.3.48 release_durations()

```
briar::BriarDurations * briar::DetectReply::release_durations () [inline]
```

7.215.3.49 release_errors()

```
briar::BriarErrors * briar::DetectReply::release_errors ( ) [inline]
```

7.215.3.50 release_progress()

```
briar::BriarProgress * briar::DetectReply::release_progress ( ) [inline]
```

7.215.3.51 release_reference_media()

```
briar::BriarMedia * briar::DetectReply::release_reference_media ( ) [inline]
```

7.215.3.52 set_allocated_durations()

```
void briar::DetectReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.215.3.53 set_allocated_errors()

```
void briar::DetectReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.215.3.54 set_allocated_progress()

```
void briar::DetectReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.215.3.55 set_allocated_reference_media()

```
void briar::DetectReply::set_allocated_reference_media (
    ::briar::BriarMedia * reference_media ) [inline]
```

7.215.3.56 set_frame_id()

```
void briar::DetectReply::set_frame_id (
    int64_t value ) [inline]
```

7.215.3.57 set_modality()

```
void briar::DetectReply::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.215.3.58 set_progress_only_reply()

```
void briar::DetectReply::set_progress_only_reply (
    bool value ) [inline]
```

7.215.3.59 Swap()

```
void briar::DetectReply::Swap (
    DetectReply * other ) [inline]
```

7.215.3.60 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DetectReply::unsafe_arena_release_durations ( ) [inline]
```

7.215.3.61 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::DetectReply::unsafe_arena_release_errors ( ) [inline]
```

7.215.3.62 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::DetectReply::unsafe_arena_release_progress ( ) [inline]
```

7.215.3.63 unsafe_arena_release_reference_media()

```
briar::BriarMedia * briar::DetectReply::unsafe_arena_release_reference_media ( ) [inline]
```

7.215.3.64 unsafe_arena_set_allocated_durations()

```
void briar::DetectReply::unsafe_arena_set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.215.3.65 unsafe_arena_set_allocated_errors()

```
void briar::DetectReply::unsafe_arena_set_allocated_errors ( ::briar::BriarErrors * errors ) [inline]
```

7.215.3.66 unsafe_arena_set_allocated_progress()

```
void briar::DetectReply::unsafe_arena_set_allocated_progress ( ::briar::BriarProgress * progress ) [inline]
```

7.215.3.67 unsafe_arena_set_allocated_reference_media()

```
void briar::DetectReply::unsafe_arena_set_allocated_reference_media ( ::briar::BriarMedia * reference_media ) [inline]
```

7.215.3.68 UnsafeArenaSwap()

```
void briar::DetectReply::UnsafeArenaSwap ( DetectReply * other ) [inline]
```

7.215.4 Friends And Related Function Documentation

7.215.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.215.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.215.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.215.4.4 swap

```
void swap (
    DetectReply & a,
    DetectReply & b ) [friend]
```

7.215.5 Member Data Documentation

7.215.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DetectReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    DetectReply::MergeImpl
}
```

7.215.5.2 kIndexInFileMessages

```
constexpr int briar::DetectReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

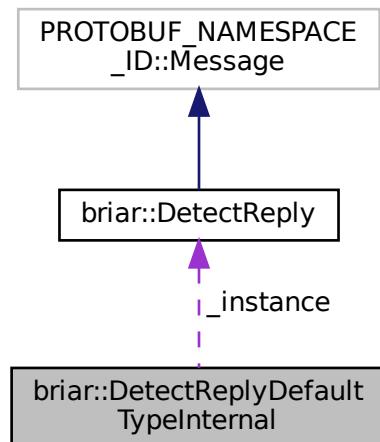
```
= 27
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.216 briar::DetectReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DetectReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DetectReplyDefaultTypeInternal ()
- [~DetectReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 DetectReply _instance

};

7.216.1 Constructor & Destructor Documentation

7.216.1.1 DetectReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DetectReplyDefaultTypeInternal::DetectReplyDefaultTypeInternal ( )
[inline]
```

7.216.1.2 ~DetectReplyDefaultTypeInternal()

```
briar::DetectReplyDefaultTypeInternal::~DetectReplyDefaultTypeInternal ( ) [inline]
```

7.216.2 Member Data Documentation

7.216.2.1

```
union { ... }
```

7.216.2.2 _instance

```
DetectReply briar::DetectReplyDefaultTypeInternal::_instance
```

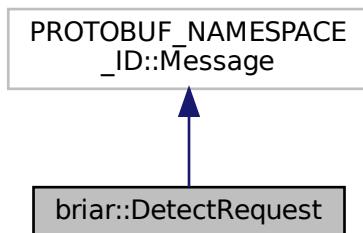
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar_service.pb.cc

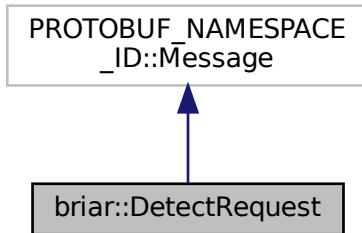
7.217 briar::DetectRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::DetectRequest:



Collaboration diagram for briar::DetectRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {

kSubjectIdFieldNumber = 3 , kMediaIdFieldNumber = 4 , kEntryNameFieldNumber = 6 , kMediaFieldNumber

= 1 ,

kDurationsFieldNumber = 7 , kDetectOptionsFieldNumber = 8 , kFrameFieldNumber = 2 , kEntryTypeFieldNumber

= 5 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_detect_options](#) ()
- void [clear_durations](#) ()
- void [clear_entry_name](#) ()
- void [clear_entry_type](#) ()
- void [clear_frame](#) ()
- void [clear_media](#) ()
- void [clear_media_id](#) ()
- void [clear_subject_id](#) ()
- void [CopyFrom](#) (const [DetectRequest](#) &from)
- const ::briar::DetectionOptions & [detect_options](#) () const
- [DetectRequest](#) ()
- PROTOBUF_CONSTEXPR [DetectRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [DetectRequest](#) (const [DetectRequest](#) &from)
- [DetectRequest](#) ([DetectRequest](#) &&from) noexcept
- const ::briar::BriarDurations & [durations](#) () const

- const std::string & `entry_name` () const
- ::briar::EntryType `entry_type` () const
- int32_t `frame` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_detect_options` () const
- bool `has_durations` () const
- bool `has_media` () const
- bool `IsInitialized` () const final
- const ::briar::BriarMedia & `media` () const
- const std::string & `media_id` () const
- void `MergeFrom` (const `DetectRequest` &from)
- ::briar::DetectionOptions * `mutable_detect_options` ()
- ::briar::BriarDurations * `mutable_durations` ()
- std::string * `mutable_entry_name` ()
- ::briar::BriarMedia * `mutable_media` ()
- std::string * `mutable_media_id` ()
- std::string * `mutable_subject_id` ()
- `DetectRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `DetectRequest` & `operator=` (const `DetectRequest` &from)
- `DetectRequest` & `operator=` (`DetectRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::DetectionOptions * `release_detect_options` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD std::string * `release_entry_name` ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media` ()
- PROTOBUF_NODISCARD std::string * `release_media_id` ()
- PROTOBUF_NODISCARD std::string * `release_subject_id` ()
- void `set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_entry_name` (std::string *`entry_name`)
- void `set_allocated_media` (::briar::BriarMedia *`media`)
- void `set_allocated_media_id` (std::string *`media_id`)
- void `set_allocated_subject_id` (std::string *`subject_id`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_name` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_entry_name` (ArgT0 &&arg0, ArgT... args)
- void `set_entry_type` (::briar::EntryType value)
- void `set_frame` (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_media_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_media_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_subject_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_subject_id` (ArgT0 &&arg0, ArgT... args)
- const std::string & `subject_id` () const
- void `Swap` (`DetectRequest` *other)
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarMedia * `unsafe_arena_release_media` ()
- void `unsafe_arena_set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_media` (::briar::BriarMedia *`media`)
- void `UnsafeArenaSwap` (`DetectRequest` *other)
- `~DetectRequest` () override

Static Public Member Functions

- static const `DetectRequest & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `DetectRequest * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `DetectRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap (DetectRequest &a, DetectRequest &b)`

7.217.1 Member Enumeration Documentation

7.217.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kSubjectIdFieldNumber</code>	
<code>kMediaIdFieldNumber</code>	
<code>kEntryNameFieldNumber</code>	
<code>kMediaFieldNumber</code>	
<code>kDurationsFieldNumber</code>	
<code>kDetectOptionsFieldNumber</code>	
<code>kFrameFieldNumber</code>	
<code>kEntryTypeFieldNumber</code>	

7.217.2 Constructor & Destructor Documentation

7.217.2.1 DetectRequest() [1/5]

```
briar::DetectRequest::DetectRequest ( ) [inline]
```

7.217.2.2 ~DetectRequest()

```
briar::DetectRequest::~DetectRequest ( ) [override]
```

7.217.2.3 DetectRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::DetectRequest::DetectRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.217.2.4 DetectRequest() [3/5]

```
briar::DetectRequest::DetectRequest (
    const DetectRequest & from )
```

7.217.2.5 DetectRequest() [4/5]

```
briar::DetectRequest::DetectRequest (
    DetectRequest && from ) [inline], [noexcept]
```

7.217.2.6 DetectRequest() [5/5]

```
briar::DetectRequest::DetectRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.217.3 Member Function Documentation

7.217.3.1 `_InternalParse()`

```
const char * briar::DetectRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.217.3.2 `_InternalSerialize()`

```
uint8_t * briar::DetectRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.217.3.3 `ByteSizeLong()`

```
size_t briar::DetectRequest::ByteSizeLong ( ) const [final]
```

7.217.3.4 `Clear()`

```
void briar::DetectRequest::Clear ( ) [final]
```

7.217.3.5 `clear_detect_options()`

```
void briar::DetectRequest::clear_detect_options ( )
```

7.217.3.6 `clear_durations()`

```
void briar::DetectRequest::clear_durations ( )
```

7.217.3.7 `clear_entry_name()`

```
void briar::DetectRequest::clear_entry_name ( ) [inline]
```

7.217.3.8 clear_entry_type()

```
void briar::DetectRequest::clear_entry_type ( ) [inline]
```

7.217.3.9 clear_frame()

```
void briar::DetectRequest::clear_frame ( ) [inline]
```

7.217.3.10 clear_media()

```
void briar::DetectRequest::clear_media ( )
```

7.217.3.11 clear_media_id()

```
void briar::DetectRequest::clear_media_id ( ) [inline]
```

7.217.3.12 clear_subject_id()

```
void briar::DetectRequest::clear_subject_id ( ) [inline]
```

7.217.3.13 CopyFrom()

```
void briar::DetectRequest::CopyFrom (const DetectRequest & from)
```

7.217.3.14 default_instance()

```
static const DetectRequest& briar::DetectRequest::default_instance ( ) [inline], [static]
```

7.217.3.15 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectRequest::descriptor() const [inline],  
[static]
```

7.217.3.16 detect_options()

```
const ::briar::DetectionOptions& briar::DetectRequest::detect_options() const [inline]
```

7.217.3.17 durations()

```
const ::briar::BriarDurations& briar::DetectRequest::durations() const [inline]
```

7.217.3.18 entry_name()

```
const std::string& briar::DetectRequest::entry_name() const [inline]
```

7.217.3.19 entry_type()

```
briar::EntryType briar::DetectRequest::entry_type() const [inline]
```

7.217.3.20 frame()

```
int32_t briar::DetectRequest::frame() const [inline]
```

7.217.3.21 GetCachedSize()

```
int briar::DetectRequest::GetCachedSize() const [inline], [final]
```

7.217.3.22 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::DetectRequest::GetClassData ( )
const [final]
```

7.217.3.23 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::DetectRequest::GetDescriptor ( )
[inline], [static]
```

7.217.3.24 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::DetectRequest::GetMetadata ( ) const [final]
```

7.217.3.25 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::DetectRequest::GetReflection ( )
[inline], [static]
```

7.217.3.26 has_detect_options()

```
bool briar::DetectRequest::has_detect_options ( ) const [inline]
```

7.217.3.27 has_durations()

```
bool briar::DetectRequest::has_durations ( ) const [inline]
```

7.217.3.28 has_media()

```
bool briar::DetectRequest::has_media ( ) const [inline]
```

7.217.3.29 internal_default_instance()

```
static const DetectRequest* briar::DetectRequest::internal_default_instance ( ) [inline],  
[static]
```

7.217.3.30 IsInitialized()

```
bool briar::DetectRequest::IsInitialized ( ) const [final]
```

7.217.3.31 media()

```
const ::briar::BriarMedia & briar::DetectRequest::media ( ) const [inline]
```

7.217.3.32 media_id()

```
const std::string & briar::DetectRequest::media_id ( ) const [inline]
```

7.217.3.33 MergeFrom()

```
void briar::DetectRequest::MergeFrom (const DetectRequest & from)
```

7.217.3.34 mutable_detect_options()

```
briar::DetectionOptions * briar::DetectRequest::mutable_detect_options ( ) [inline]
```

7.217.3.35 mutable_durations()

```
briar::BriarDurations * briar::DetectRequest::mutable_durations ( ) [inline]
```

7.217.3.36 mutable_entry_name()

```
std::string * briar::DetectRequest::mutable_entry_name ( ) [inline]
```

7.217.3.37 mutable_media()

```
briar::BriarMedia * briar::DetectRequest::mutable_media ( ) [inline]
```

7.217.3.38 mutable_media_id()

```
std::string * briar::DetectRequest::mutable_media_id ( ) [inline]
```

7.217.3.39 mutable_subject_id()

```
std::string * briar::DetectRequest::mutable_subject_id ( ) [inline]
```

7.217.3.40 New()

```
DetectRequest* briar::DetectRequest::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.217.3.41 operator=() [1/2]

```
DetectRequest& briar::DetectRequest::operator= (   
    const DetectRequest & from ) [inline]
```

7.217.3.42 operator=() [2/2]

```
DetectRequest& briar::DetectRequest::operator= (   
    DetectRequest && from ) [inline], [noexcept]
```

7.217.3.43 release_detect_options()

```
briar::DetectionOptions * briar::DetectRequest::release_detect_options ( ) [inline]
```

7.217.3.44 release_durations()

```
briar::BriarDurations * briar::DetectRequest::release_durations ( ) [inline]
```

7.217.3.45 release_entry_name()

```
std::string * briar::DetectRequest::release_entry_name ( ) [inline]
```

7.217.3.46 release_media()

```
briar::BriarMedia * briar::DetectRequest::release_media ( ) [inline]
```

7.217.3.47 release_media_id()

```
std::string * briar::DetectRequest::release_media_id ( ) [inline]
```

7.217.3.48 release_subject_id()

```
std::string * briar::DetectRequest::release_subject_id ( ) [inline]
```

7.217.3.49 set_allocated_detect_options()

```
void briar::DetectRequest::set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.217.3.50 set_allocated_durations()

```
void briar::DetectRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.217.3.51 set_allocated_entry_name()

```
void briar::DetectRequest::set_allocated_entry_name (
    std::string * entry_name ) [inline]
```

7.217.3.52 set_allocated_media()

```
void briar::DetectRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.217.3.53 set_allocated_media_id()

```
void briar::DetectRequest::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.217.3.54 set_allocated_subject_id()

```
void briar::DetectRequest::set_allocated_subject_id (
    std::string * subject_id ) [inline]
```

7.217.3.55 set_entry_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DetectRequest::set_entry_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.217.3.56 set_entry_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DetectRequest::set_entry_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.217.3.57 set_entry_type()

```
void briar::DetectRequest::set_entry_type (
    ::briar::EntryType value ) [inline]
```

7.217.3.58 set_frame()

```
void briar::DetectRequest::set_frame (
    int32_t value ) [inline]
```

7.217.3.59 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DetectRequest::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.217.3.60 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DetectRequest::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.217.3.61 set_subject_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::DetectRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.217.3.62 set_subject_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::DetectRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.217.3.63 subject_id()

```
const std::string & briar::DetectRequest::subject_id ( ) const [inline]
```

7.217.3.64 Swap()

```
void briar::DetectRequest::Swap (
    DetectRequest * other ) [inline]
```

7.217.3.65 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::DetectRequest::unsafe_arena_release_detect_options ( ) [inline]
```

7.217.3.66 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::DetectRequest::unsafe_arena_release_durations ( ) [inline]
```

7.217.3.67 unsafe_arena_release_media()

```
briar::BriarMedia * briar::DetectRequest::unsafe_arena_release_media ( ) [inline]
```

7.217.3.68 unsafe_arena_set_allocated_detect_options()

```
void briar::DetectRequest::unsafe_arena_set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.217.3.69 unsafe_arena_set_allocated_durations()

```
void briar::DetectRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.217.3.70 unsafe_arena_set_allocated_media()

```
void briar::DetectRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.217.3.71 UnsafeArenaSwap()

```
void briar::DetectRequest::UnsafeArenaSwap (
    DetectRequest * other ) [inline]
```

7.217.4 Friends And Related Function Documentation

7.217.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.217.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.217.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.217.4.4 swap

```
void swap (
    DetectRequest & a,
    DetectRequest & b ) [friend]
```

7.217.5 Member Data Documentation

7.217.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::DetectRequest::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    DetectRequest::MergeImpl  
}
```

7.217.5.2 `kIndexInFileMessages`

```
constexpr int briar::DetectRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

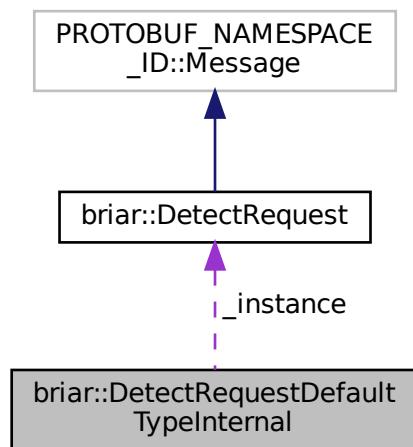
```
=  
    26
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.218 briar::DetectRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::DetectRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR DetectRequestDefaultTypeInternal ()
- ~DetectRequestDefaultTypeInternal ()

Public Attributes

- union {
 DetectRequest _instance
};

7.218.1 Constructor & Destructor Documentation

7.218.1.1 DetectRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::DetectRequestDefaultTypeInternal::DetectRequestDefaultTypeInternal ( ) [inline]
```

7.218.1.2 ~DetectRequestDefaultTypeInternal()

```
briar::DetectRequestDefaultTypeInternal::~DetectRequestDefaultTypeInternal ( ) [inline]
```

7.218.2 Member Data Documentation

7.218.2.1

```
union { ... }
```

7.218.2.2 _instance

```
DetectRequest briar::DetectRequestDefaultTypeInternal::_instance
```

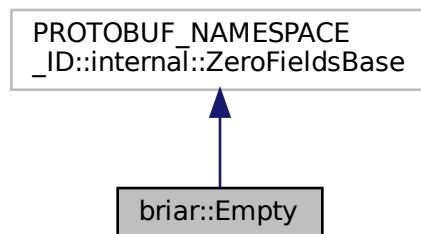
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

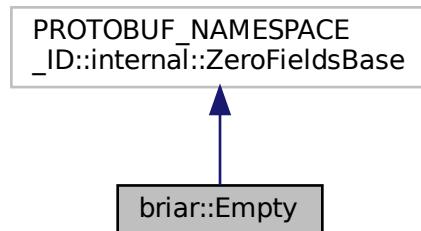
7.219 briar::Empty Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::Empty:



Collaboration diagram for briar::Empty:



Classes

- class [_Internal](#)

Public Member Functions

- void [CopyFrom](#) (const [Empty](#) &from)
- [Empty](#) ()
- PROTOBUF_CONSTEXPR [Empty](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [Empty](#) (const [Empty](#) &from)
- [Empty](#) ([Empty](#) &&from) noexcept
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [Empty](#) &from)
- [Empty](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [Empty](#) & [operator=](#) (const [Empty](#) &from)
- [Empty](#) & [operator=](#) ([Empty](#) &&from) noexcept
- void [Swap](#) ([Empty](#) *other)
- void [UnsafeArenaSwap](#) ([Empty](#) *other)

Static Public Member Functions

- static const `Empty & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `Empty * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `Empty (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap (Empty &a, Empty &b)`

7.219.1 Constructor & Destructor Documentation

7.219.1.1 `Empty()` [1/5]

`briar::Empty::Empty ()` [inline]

7.219.1.2 `Empty()` [2/5]

```
PROTOBUF_CONSTEXPR briar::Empty::Empty (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.219.1.3 `Empty()` [3/5]

```
briar::Empty::Empty (
    const Empty & from )
```

7.219.1.4 Empty() [4/5]

```
briar::Empty::Empty (
    Empty && from ) [inline], [noexcept]
```

7.219.1.5 Empty() [5/5]

```
briar::Empty::Empty (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.219.2 Member Function Documentation**7.219.2.1 CopyFrom()**

```
void briar::Empty::CopyFrom (
    const Empty & from ) [inline]
```

7.219.2.2 default_instance()

```
static const Empty& briar::Empty::default_instance ( ) [inline], [static]
```

7.219.2.3 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Empty::descriptor ( ) [inline], [static]
```

7.219.2.4 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Empty::GetClassData ( ) const [final]
```

7.219.2.5 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Empty::GetDescriptor() const [inline], [static]
```

7.219.2.6 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Empty::GetMetadata() const [final]
```

7.219.2.7 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Empty::GetReflection() const [inline], [static]
```

7.219.2.8 internal_default_instance()

```
static const Empty* briar::Empty::internal_default_instance() const [inline], [static]
```

7.219.2.9 MergeFrom()

```
void briar::Empty::MergeFrom(
    const Empty& from) const [inline]
```

7.219.2.10 New()

```
Empty* briar::Empty::New(
    ::PROTOBUF_NAMESPACE_ID::Arena* arena = nullptr) const [inline], [final]
```

7.219.2.11 operator=() [1/2]

```
Empty& briar::Empty::operator=(
    const Empty& from) const [inline]
```

7.219.2.12 operator=() [2/2]

```
Empty& briar::Empty::operator= (
    Empty && from ) [inline], [noexcept]
```

7.219.2.13 Swap()

```
void briar::Empty::Swap (
    Empty * other ) [inline]
```

7.219.2.14 UnsafeArenaSwap()

```
void briar::Empty::UnsafeArenaSwap (
    Empty * other ) [inline]
```

7.219.3 Friends And Related Function Documentation

7.219.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.219.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.219.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.219.3.4 swap

```
void swap (
    Empty & a,
    Empty & b ) [friend]
```

7.219.4 Member Data Documentation

7.219.4.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Empty::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::CopyImpl,
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::MergeImpl,
}
```

7.219.4.2 `kIndexInFileMessages`

```
constexpr int briar::Empty::kIndexInFileMessages [static], [constexpr]
```

Initial value:

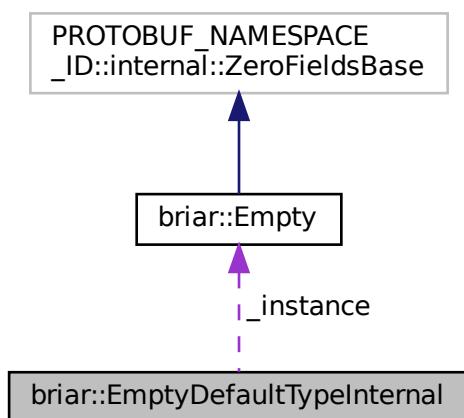
```
= 0
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.220 briar::EmptyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EmptyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EmptyDefaultTypeInternal ()
- ~EmptyDefaultTypeInternal ()

Public Attributes

- union {
 Empty_instance
};

7.220.1 Constructor & Destructor Documentation

7.220.1.1 EmptyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EmptyDefaultTypeInternal::EmptyDefaultTypeInternal ( ) [inline]
```

7.220.1.2 ~EmptyDefaultTypeInternal()

```
briar::EmptyDefaultTypeInternal::~EmptyDefaultTypeInternal ( ) [inline]
```

7.220.2 Member Data Documentation

7.220.2.1

```
union { ... }
```

7.220.2.2 _instance

```
Empty briar::EmptyDefaultTypeInternal::_instance
```

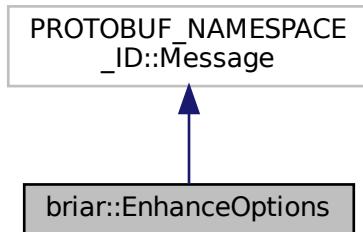
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

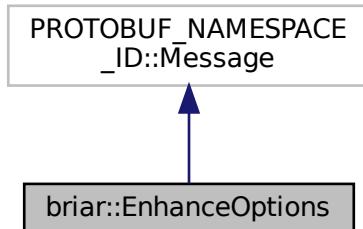
7.221 briar::EnhanceOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::EnhanceOptions:



Collaboration diagram for briar::EnhanceOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kAttributesFieldNumber = 6 , kAlgorithmIdFieldNumber = 1 , kReturnMediaFieldNumber = 2 ,
 kEnhanceBatchFieldNumber = 3 ,
 kModalityFieldNumber = 4 , kCroppedFieldNumber = 5 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::briar::StringOption & [algorithm_id](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_algorithm_id](#) ()
- void [clear_attributes](#) ()
- void [clear_cropped](#) ()
- void [clear_enhance_batch](#) ()
- void [clear_modality](#) ()
- void [clear_return_media](#) ()
- void [CopyFrom](#) (const EnhanceOptions &from)
- bool [cropped](#) () const
- const ::briar::IntOption & [enhance_batch](#) () const
- [EnhanceOptions](#) ()
- PROTOBUF_CONSTEXPR EnhanceOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [EnhanceOptions](#) (const [EnhanceOptions](#) &from)
- [EnhanceOptions](#) ([EnhanceOptions](#) &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_algorithm_id](#) () const
- bool [has_enhance_batch](#) () const
- bool [has_return_media](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [EnhanceOptions](#) &from)
- ::briar::BiometricModality [modality](#) () const
- ::briar::StringOption * [mutable_algorithm_id](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()
- ::briar::Attribute * [mutable_attributes](#) (int index)
- ::briar::IntOption * [mutable_enhance_batch](#) ()
- ::briar::BoolOption * [mutable_return_media](#) ()
- [EnhanceOptions](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [EnhanceOptions](#) & [operator=](#) (const [EnhanceOptions](#) &from)
- [EnhanceOptions](#) & [operator=](#) ([EnhanceOptions](#) &&from) noexcept
- PROTOBUF_NODISCARD ::briar::StringOption * [release_algorithm_id](#) ()
- PROTOBUF_NODISCARD ::briar::IntOption * [release_enhance_batch](#) ()
- PROTOBUF_NODISCARD ::briar::BoolOption * [release_return_media](#) ()
- const ::briar::BoolOption & [return_media](#) () const
- void [set_allocated_algorithm_id](#) (::briar::StringOption *algorithm_id)
- void [set_allocated_enhance_batch](#) (::briar::IntOption *enhance_batch)
- void [set_allocated_return_media](#) (::briar::BoolOption *return_media)
- void [set_cropped](#) (bool value)
- void [set_modality](#) (::briar::BiometricModality value)
- void [Swap](#) ([EnhanceOptions](#) *other)
- ::briar::StringOption * [unsafe_arena_release_algorithm_id](#) ()
- ::briar::IntOption * [unsafe_arena_release_enhance_batch](#) ()

- ::briar::BoolOption * `unsafe_arena_release_return_media` ()
- void `unsafe_arena_set_allocated_algorithm_id` (::briar::StringOption *`algorithm_id`)
- void `unsafe_arena_set_allocated_enhance_batch` (::briar::IntOption *`enhance_batch`)
- void `unsafe_arena_set_allocated_return_media` (::briar::BoolOption *`return_media`)
- void `UnsafeArenaSwap` (`EnhanceOptions` *`other`)
- `~EnhanceOptions` () override

Static Public Member Functions

- static const `EnhanceOptions` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `EnhanceOptions` * `internal_default_instance` ()

Static Public Attributes

- static const `ClassData` `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `EnhanceOptions` (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eprot
- void `swap` (`EnhanceOptions` &`a`, `EnhanceOptions` &`b`)

7.221.1 Member Enumeration Documentation

7.221.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kAttributesFieldNumber</code>	
<code>kAlgorithmIdFieldNumber</code>	
<code>kReturnMediaFieldNumber</code>	
<code>kEnhanceBatchFieldNumber</code>	
<code>kModalityFieldNumber</code>	
<code>kCroppedFieldNumber</code>	

7.221.2 Constructor & Destructor Documentation

7.221.2.1 EnhanceOptions() [1/5]

```
briar::EnhanceOptions::EnhanceOptions ( ) [inline]
```

7.221.2.2 ~EnhanceOptions()

```
briar::EnhanceOptions::~EnhanceOptions ( ) [override]
```

7.221.2.3 EnhanceOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnhanceOptions::EnhanceOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.221.2.4 EnhanceOptions() [3/5]

```
briar::EnhanceOptions::EnhanceOptions (
    const EnhanceOptions & from )
```

7.221.2.5 EnhanceOptions() [4/5]

```
briar::EnhanceOptions::EnhanceOptions (
    EnhanceOptions && from ) [inline], [noexcept]
```

7.221.2.6 EnhanceOptions() [5/5]

```
briar::EnhanceOptions::EnhanceOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.221.3 Member Function Documentation

7.221.3.1 `_InternalParse()`

```
const char * briar::EnhanceOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.221.3.2 `_InternalSerialize()`

```
uint8_t * briar::EnhanceOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.221.3.3 `add_attributes()`

```
briar::Attribute * briar::EnhanceOptions::add_attributes () [inline]
```

7.221.3.4 `algorithm_id()`

```
const ::briar::StringOption & briar::EnhanceOptions::algorithm_id () const [inline]
```

7.221.3.5 `attributes()` [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::EnhanceOptions::attributes () const [inline]
```

7.221.3.6 `attributes()` [2/2]

```
const ::briar::Attribute & briar::EnhanceOptions::attributes (
    int index ) const [inline]
```

7.221.3.7 `attributes_size()`

```
int briar::EnhanceOptions::attributes_size () const [inline]
```

7.221.3.8 ByteSizeLong()

```
size_t briar::EnhanceOptions::ByteSizeLong ( ) const [final]
```

7.221.3.9 Clear()

```
void briar::EnhanceOptions::Clear ( ) [final]
```

7.221.3.10 clear_algorithm_id()

```
void briar::EnhanceOptions::clear_algorithm_id ( ) [inline]
```

7.221.3.11 clear_attributes()

```
void briar::EnhanceOptions::clear_attributes ( ) [inline]
```

7.221.3.12 clear_cropped()

```
void briar::EnhanceOptions::clear_cropped ( ) [inline]
```

7.221.3.13 clear_enhance_batch()

```
void briar::EnhanceOptions::clear_enhance_batch ( ) [inline]
```

7.221.3.14 clear_modality()

```
void briar::EnhanceOptions::clear_modality ( ) [inline]
```

7.221.3.15 clear_return_media()

```
void briar::EnhanceOptions::clear_return_media ( ) [inline]
```

7.221.3.16 CopyFrom()

```
void briar::EnhanceOptions::CopyFrom (
    const EnhanceOptions & from )
```

7.221.3.17 cropped()

```
bool briar::EnhanceOptions::cropped ( ) const [inline]
```

7.221.3.18 default_instance()

```
static const EnhanceOptions& briar::EnhanceOptions::default_instance ( ) [inline], [static]
```

7.221.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceOptions::descriptor ( ) [inline],
[static]
```

7.221.3.20 enhance_batch()

```
const ::briar::IntOption & briar::EnhanceOptions::enhance_batch ( ) const [inline]
```

7.221.3.21 GetCachedSize()

```
int briar::EnhanceOptions::GetCachedSize ( ) const [inline], [final]
```

7.221.3.22 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnhanceOptions::GetClassData ( )
const [final]
```

7.221.3.23 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceOptions::GetDescriptor ( )  
[inline], [static]
```

7.221.3.24 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnhanceOptions::GetMetadata ( ) const [final]
```

7.221.3.25 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnhanceOptions::GetReflection ( )  
[inline], [static]
```

7.221.3.26 has_algorithm_id()

```
bool briar::EnhanceOptions::has_algorithm_id ( ) const [inline]
```

7.221.3.27 has_enhance_batch()

```
bool briar::EnhanceOptions::has_enhance_batch ( ) const [inline]
```

7.221.3.28 has_return_media()

```
bool briar::EnhanceOptions::has_return_media ( ) const [inline]
```

7.221.3.29 internal_default_instance()

```
static const EnhanceOptions* briar::EnhanceOptions::internal_default_instance ( ) [inline],  
[static]
```

7.221.3.30 IsInitialized()

```
bool briar::EnhanceOptions::IsInitialized ( ) const [final]
```

7.221.3.31 MergeFrom()

```
void briar::EnhanceOptions::MergeFrom (
    const EnhanceOptions & from )
```

7.221.3.32 modality()

```
briar::BiometricModality briar::EnhanceOptions::modality ( ) const [inline]
```

7.221.3.33 mutable_algorithm_id()

```
briar::StringOption * briar::EnhanceOptions::mutable_algorithm_id ( ) [inline]
```

7.221.3.34 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::EnhanceOptions::mutable_attributes ( ) [inline]
```

7.221.3.35 mutable_attributes() [2/2]

```
briar::Attribute * briar::EnhanceOptions::mutable_attributes (
    int index ) [inline]
```

7.221.3.36 mutable_enhance_batch()

```
briar::IntOption * briar::EnhanceOptions::mutable_enhance_batch ( ) [inline]
```

7.221.3.37 mutable_return_media()

```
briar::BoolOption * briar::EnhanceOptions::mutable_return_media ( ) [inline]
```

7.221.3.38 New()

```
EnhanceOptions* briar::EnhanceOptions::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.221.3.39 operator=() [1/2]

```
EnhanceOptions& briar::EnhanceOptions::operator= ( const EnhanceOptions & from ) [inline]
```

7.221.3.40 operator=() [2/2]

```
EnhanceOptions& briar::EnhanceOptions::operator= ( EnhanceOptions && from ) [inline], [noexcept]
```

7.221.3.41 release_algorithm_id()

```
briar::StringOption * briar::EnhanceOptions::release_algorithm_id ( ) [inline]
```

7.221.3.42 release_enhance_batch()

```
briar::IntOption * briar::EnhanceOptions::release_enhance_batch ( ) [inline]
```

7.221.3.43 release_return_media()

```
briar::BoolOption * briar::EnhanceOptions::release_return_media ( ) [inline]
```

7.221.3.44 return_media()

```
const ::briar::BoolOption & briar::EnhanceOptions::return_media ( ) const [inline]
```

7.221.3.45 set_allocated_algorithm_id()

```
void briar::EnhanceOptions::set_allocated_algorithm_id (
    ::briar::StringOption * algorithm_id ) [inline]
```

7.221.3.46 set_allocated_enhance_batch()

```
void briar::EnhanceOptions::set_allocated_enhance_batch (
    ::briar::IntOption * enhance_batch ) [inline]
```

7.221.3.47 set_allocated_return_media()

```
void briar::EnhanceOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.221.3.48 set_cropped()

```
void briar::EnhanceOptions::set_cropped (
    bool value ) [inline]
```

7.221.3.49 set_modality()

```
void briar::EnhanceOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.221.3.50 Swap()

```
void briar::EnhanceOptions::Swap (
    EnhanceOptions * other ) [inline]
```

7.221.3.51 unsafe_arena_release_algorithm_id()

```
briar::StringOption * briar::EnhanceOptions::unsafe_arena_release_algorithm_id ( ) [inline]
```

7.221.3.52 unsafe_arena_release_enhance_batch()

```
briar::IntOption * briar::EnhanceOptions::unsafe_arena_release_enhance_batch ( ) [inline]
```

7.221.3.53 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::EnhanceOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.221.3.54 unsafe_arena_set_allocated_algorithm_id()

```
void briar::EnhanceOptions::unsafe_arena_set_allocated_algorithm_id (  
    ::briar::StringOption * algorithm_id ) [inline]
```

7.221.3.55 unsafe_arena_set_allocated_enhance_batch()

```
void briar::EnhanceOptions::unsafe_arena_set_allocated_enhance_batch (   
    ::briar::IntOption * enhance_batch ) [inline]
```

7.221.3.56 unsafe_arena_set_allocated_return_media()

```
void briar::EnhanceOptions::unsafe_arena_set_allocated_return_media (   
    ::briar::BoolOption * return_media ) [inline]
```

7.221.3.57 UnsafeArenaSwap()

```
void briar::EnhanceOptions::UnsafeArenaSwap (   
    EnhanceOptions * other ) [inline]
```

7.221.4 Friends And Related Function Documentation

7.221.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.221.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.221.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.221.4.4 swap

```
void swap (
    EnhanceOptions & a,
    EnhanceOptions & b ) [friend]
```

7.221.5 Member Data Documentation

7.221.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnhanceOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnhanceOptions::MergeImpl
}
```

7.221.5.2 kIndexInFileMessages

```
constexpr int briar::EnhanceOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

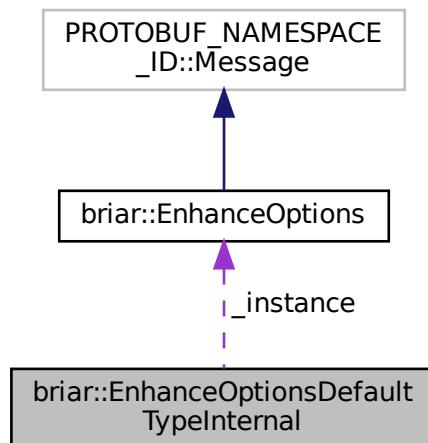
```
= 21
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.222 briar::EnhanceOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnhanceOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnhanceOptionsDefaultTypeInternal ()
- ~EnhanceOptionsDefaultTypeInternal ()

Public Attributes

- union {
 EnhanceOptions _instance
 };

7.222.1 Constructor & Destructor Documentation

7.222.1.1 EnhanceOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnhanceOptionsDefaultTypeInternal::EnhanceOptionsDefaultTypeInternal  
( ) [inline]
```

7.222.1.2 ~EnhanceOptionsDefaultTypeInternal()

```
briar::EnhanceOptionsDefaultTypeInternal::~EnhanceOptionsDefaultTypeInternal ( ) [inline]
```

7.222.2 Member Data Documentation

7.222.2.1

```
union { ... }
```

7.222.2.2 _instance

```
EnhanceOptions briar::EnhanceOptionsDefaultTypeInternal::_instance
```

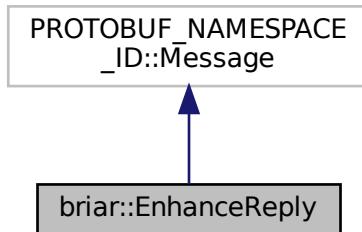
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

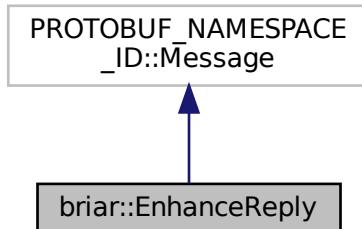
7.223 briar::EnhanceReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::EnhanceReply:



Collaboration diagram for briar::EnhanceReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kMediaFieldNumber = 1 , kDurationsFieldNumber = 2 , kProgressFieldNumber = 3 , kErrorsFieldNumber = 4
 ,
 kProgressOnlyReplyFieldNumber = 5 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_media` ()
- void `clear_progress` ()
- void `clear_progress_only_reply` ()
- void `CopyFrom` (const `EnhanceReply` &from)
- const ::briar::BriarDurations & `durations` () const
- `EnhanceReply` ()
- PROTOBUF_CONSTEXPR `EnhanceReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `EnhanceReply` (const `EnhanceReply` &from)
- `EnhanceReply` (`EnhanceReply` &&from) noexcept
- const ::briar::BriarErrors & `errors` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_durations` () const
- bool `has_errors` () const
- bool `has_media` () const
- bool `has_progress` () const
- bool `IsInitialized` () const final
- const ::briar::BriarMedia & `media` () const
- void `MergeFrom` (const `EnhanceReply` &from)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- ::briar::BriarMedia * `mutable_media` ()
- ::briar::BriarProgress * `mutable_progress` ()
- `EnhanceReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `EnhanceReply` & `operator=` (const `EnhanceReply` &from)
- `EnhanceReply` & `operator=` (`EnhanceReply` &&from) noexcept
- const ::briar::BriarProgress & `progress` () const
- bool `progress_only_reply` () const
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media` ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * `release_progress` ()
- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_errors` (::briar::BriarErrors *errors)
- void `set_allocated_media` (::briar::BriarMedia *media)
- void `set_allocated_progress` (::briar::BriarProgress *progress)
- void `set_progress_only_reply` (bool value)
- void `Swap` (`EnhanceReply` *other)
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- ::briar::BriarMedia * `unsafe_arena_release_media` ()
- ::briar::BriarProgress * `unsafe_arena_release_progress` ()
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *errors)
- void `unsafe_arena_set_allocated_media` (::briar::BriarMedia *media)
- void `unsafe_arena_set_allocated_progress` (::briar::BriarProgress *progress)
- void `UnsafeArenaSwap` (`EnhanceReply` *other)
- `~EnhanceReply` () override

Static Public Member Functions

- static const [EnhanceReply & default_instance \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection \(\)](#)
- static const [EnhanceReply * internal_default_instance \(\)](#)

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [EnhanceReply \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap \(EnhanceReply &a, EnhanceReply &b\)](#)

7.223.1 Member Enumeration Documentation

7.223.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMediaFieldNumber	
kDurationsFieldNumber	
kProgressFieldNumber	
kErrorsFieldNumber	
kProgressOnlyReplyFieldNumber	

7.223.2 Constructor & Destructor Documentation

7.223.2.1 EnhanceReply() [1/5]

```
briar::EnhanceReply::EnhanceReply ( ) [inline]
```

7.223.2.2 ~EnhanceReply()

```
briar::EnhanceReply::~EnhanceReply ( ) [override]
```

7.223.2.3 EnhanceReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnhanceReply::EnhanceReply ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.223.2.4 EnhanceReply() [3/5]

```
briar::EnhanceReply::EnhanceReply ( const EnhanceReply & from )
```

7.223.2.5 EnhanceReply() [4/5]

```
briar::EnhanceReply::EnhanceReply ( EnhanceReply && from ) [inline], [noexcept]
```

7.223.2.6 EnhanceReply() [5/5]

```
briar::EnhanceReply::EnhanceReply ( ::PROTOBUF_NAMESPACE_ID::Arena * arena, bool is_message_owned = false ) [explicit], [protected]
```

7.223.3 Member Function Documentation

7.223.3.1 InternalParse()

```
const char * briar::EnhanceReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.223.3.2 InternalSerialize()

```
uint8_t * briar::EnhanceReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.223.3.3 ByteSizeLong()

```
size_t briar::EnhanceReply::ByteSizeLong ( ) const [final]
```

7.223.3.4 Clear()

```
void briar::EnhanceReply::Clear ( ) [final]
```

7.223.3.5 clear_durations()

```
void briar::EnhanceReply::clear_durations ( )
```

7.223.3.6 clear_errors()

```
void briar::EnhanceReply::clear_errors ( )
```

7.223.3.7 clear_media()

```
void briar::EnhanceReply::clear_media ( )
```

7.223.3.8 clear_progress()

```
void briar::EnhanceReply::clear_progress ( )
```

7.223.3.9 clear_progress_only_reply()

```
void briar::EnhanceReply::clear_progress_only_reply ( ) [inline]
```

7.223.3.10 CopyFrom()

```
void briar::EnhanceReply::CopyFrom (
    const EnhanceReply & from )
```

7.223.3.11 default_instance()

```
static const EnhanceReply& briar::EnhanceReply::default_instance ( ) [inline], [static]
```

7.223.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceReply::descriptor ( ) [inline], [static]
```

7.223.3.13 durations()

```
const ::briar::BriarDurations & briar::EnhanceReply::durations ( ) const [inline]
```

7.223.3.14 errors()

```
const ::briar::BriarErrors & briar::EnhanceReply::errors ( ) const [inline]
```

7.223.3.15 GetCachedSize()

```
int briar::EnhanceReply::GetCachedSize ( ) const [inline], [final]
```

7.223.3.16 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnhanceReply::GetClassData ( )
const [final]
```

7.223.3.17 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceReply::GetDescriptor ( ) [inline],
[static]
```

7.223.3.18 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnhanceReply::GetMetadata ( ) const [final]
```

7.223.3.19 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnhanceReply::GetReflection ( ) [inline],
[static]
```

7.223.3.20 has_durations()

```
bool briar::EnhanceReply::has_durations ( ) const [inline]
```

7.223.3.21 has_errors()

```
bool briar::EnhanceReply::has_errors ( ) const [inline]
```

7.223.3.22 has_media()

```
bool briar::EnhanceReply::has_media () const [inline]
```

7.223.3.23 has_progress()

```
bool briar::EnhanceReply::has_progress () const [inline]
```

7.223.3.24 internal_default_instance()

```
static const EnhanceReply* briar::EnhanceReply::internal_default_instance () [inline], [static]
```

7.223.3.25 IsInitialized()

```
bool briar::EnhanceReply::IsInitialized () const [final]
```

7.223.3.26 media()

```
const ::briar::BriarMedia & briar::EnhanceReply::media () const [inline]
```

7.223.3.27 MergeFrom()

```
void briar::EnhanceReply::MergeFrom (
    const EnhanceReply & from )
```

7.223.3.28 mutable_durations()

```
briar::BriarDurations * briar::EnhanceReply::mutable_durations () [inline]
```

7.223.3.29 mutable_errors()

```
briar::BriarErrors * briar::EnhanceReply::mutable_errors ( ) [inline]
```

7.223.3.30 mutable_media()

```
briar::BriarMedia * briar::EnhanceReply::mutable_media ( ) [inline]
```

7.223.3.31 mutable_progress()

```
briar::BriarProgress * briar::EnhanceReply::mutable_progress ( ) [inline]
```

7.223.3.32 New()

```
EnhanceReply* briar::EnhanceReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.223.3.33 operator=() [1/2]

```
EnhanceReply& briar::EnhanceReply::operator= (   
    const EnhanceReply & from ) [inline]
```

7.223.3.34 operator=() [2/2]

```
EnhanceReply& briar::EnhanceReply::operator= (   
    EnhanceReply && from ) [inline], [noexcept]
```

7.223.3.35 progress()

```
const ::briar::BriarProgress & briar::EnhanceReply::progress ( ) const [inline]
```

7.223.3.36 progress_only_reply()

```
bool briar::EnhanceReply::progress_only_reply ( ) const [inline]
```

7.223.3.37 release_durations()

```
briar::BriarDurations * briar::EnhanceReply::release_durations ( ) [inline]
```

7.223.3.38 release_errors()

```
briar::BriarErrors * briar::EnhanceReply::release_errors ( ) [inline]
```

7.223.3.39 release_media()

```
briar::BriarMedia * briar::EnhanceReply::release_media ( ) [inline]
```

7.223.3.40 release_progress()

```
briar::BriarProgress * briar::EnhanceReply::release_progress ( ) [inline]
```

7.223.3.41 set_allocated_durations()

```
void briar::EnhanceReply::set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.223.3.42 set_allocated_errors()

```
void briar::EnhanceReply::set_allocated_errors ( ::briar::BriarErrors * errors ) [inline]
```

7.223.3.43 set_allocated_media()

```
void briar::EnhanceReply::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.223.3.44 set_allocated_progress()

```
void briar::EnhanceReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.223.3.45 set_progress_only_reply()

```
void briar::EnhanceReply::set_progress_only_reply (
    bool value ) [inline]
```

7.223.3.46 Swap()

```
void briar::EnhanceReply::Swap (
    EnhanceReply * other ) [inline]
```

7.223.3.47 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::EnhanceReply::unsafe_arena_release_durations ( ) [inline]
```

7.223.3.48 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::EnhanceReply::unsafe_arena_release_errors ( ) [inline]
```

7.223.3.49 unsafe_arena_release_media()

```
briar::BriarMedia * briar::EnhanceReply::unsafe_arena_release_media ( ) [inline]
```

7.223.3.50 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::EnhanceReply::unsafe_arena_release_progress ( ) [inline]
```

7.223.3.51 unsafe_arena_set_allocated_durations()

```
void briar::EnhanceReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.223.3.52 unsafe_arena_set_allocated_errors()

```
void briar::EnhanceReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.223.3.53 unsafe_arena_set_allocated_media()

```
void briar::EnhanceReply::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.223.3.54 unsafe_arena_set_allocated_progress()

```
void briar::EnhanceReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.223.3.55 UnsafeArenaSwap()

```
void briar::EnhanceReply::UnsafeArenaSwap (
    EnhanceReply * other ) [inline]
```

7.223.4 Friends And Related Function Documentation

7.223.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.223.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.223.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.223.4.4 swap

```
void swap (
    EnhanceReply & a,
    EnhanceReply & b ) [friend]
```

7.223.5 Member Data Documentation**7.223.5.1 __class_data__**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnhanceReply::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnhanceReply::MergeImpl
}
```

7.223.5.2 kIndexInFileMessages

```
constexpr int briar::EnhanceReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

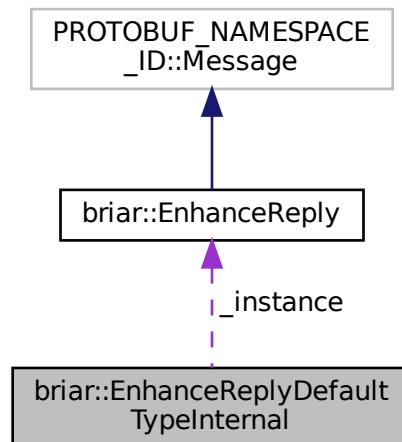
```
=
58
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.224 briar::EnhanceReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnhanceReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnhanceReplyDefaultTypeInternal ()
- ~EnhanceReplyDefaultTypeInternal ()

Public Attributes

- union {

 EnhanceReply _instance

};

7.224.1 Constructor & Destructor Documentation

7.224.1.1 EnhanceReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnhanceReplyDefaultTypeInternal::EnhanceReplyDefaultTypeInternal ( )
[inline]
```

7.224.1.2 ~EnhanceReplyDefaultTypeInternal()

```
briar::EnhanceReplyDefaultTypeInternal::~EnhanceReplyDefaultTypeInternal () [inline]
```

7.224.2 Member Data Documentation

7.224.2.1

```
union { ... }
```

7.224.2.2 _instance

```
EnhanceReply briar::EnhanceReplyDefaultTypeInternal::_instance
```

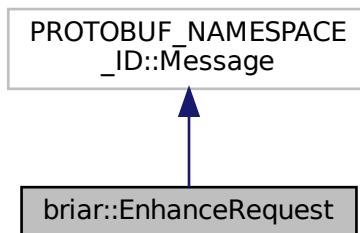
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar_service.pb.cc

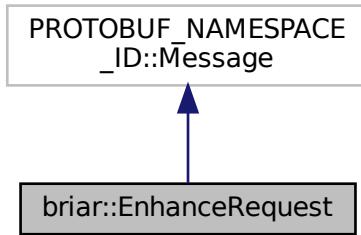
7.225 briar::EnhanceRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::EnhanceRequest:



Collaboration diagram for briar::EnhanceRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kMetadataFieldNumber](#) = 2 , [kOptionsFieldNumber](#) = 3 , [kMediaFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 5 ,
 [kEnhanceOptionsFieldNumber](#) = 6 , [kFrameIdFieldNumber](#) = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- [::briar::Attribute](#) * [add_metadata](#) ()
- [::briar::Attribute](#) * [add_options](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_enhance_options](#) ()
- void [clear_frame_id](#) ()
- void [clear_media](#) ()
- void [clear_metadata](#) ()
- void [clear_options](#) ()
- void [CopyFrom](#) (const [EnhanceRequest](#) &from)
- const [::briar::BriarDurations](#) & [durations](#) () const
- const [::briar::EnhanceOptions](#) & [enhance_options](#) () const
- [EnhanceRequest](#) ()
- PROTOBUF_CONSTEXPR [EnhanceRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [EnhanceRequest](#) (const [EnhanceRequest](#) &from)
- [EnhanceRequest](#) ([EnhanceRequest](#) &&from) noexcept
- int64_t [frame_id](#) () const

- int `GetCachedSize () const final`
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData () const final`
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata () const final`
- bool `has_durations () const`
- bool `has_enhance_options () const`
- bool `has_media () const`
- bool `IsInitialized () const final`
- const ::briar::BriarMedia & `media () const`
- void `MergeFrom (const EnhanceRequest &from)`
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `metadata () const`
- const ::briar::Attribute & `metadata (int index) const`
- int `metadata_size () const`
- ::briar::BriarDurations * `mutable_durations ()`
- ::briar::EnhanceOptions * `mutable_enhance_options ()`
- ::briar::BriarMedia * `mutable_media ()`
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_metadata ()`
- ::briar::Attribute * `mutable_metadata (int index)`
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_options ()`
- ::briar::Attribute * `mutable_options (int index)`
- `EnhanceRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `EnhanceRequest & operator= (const EnhanceRequest &from)`
- `EnhanceRequest & operator= (EnhanceRequest &&from) noexcept`
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `options () const`
- const ::briar::Attribute & `options (int index) const`
- int `options_size () const`
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations ()`
- PROTOBUF_NODISCARD ::briar::EnhanceOptions * `release_enhance_options ()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_enhance_options (::briar::EnhanceOptions *enhance_options)`
- void `set_allocated_media (::briar::BriarMedia *media)`
- void `set_frame_id (int64_t value)`
- void `Swap (EnhanceRequest *other)`
- ::briar::BriarDurations * `unsafe_arena_release_durations ()`
- ::briar::EnhanceOptions * `unsafe_arena_release_enhance_options ()`
- ::briar::BriarMedia * `unsafe_arena_release_media ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_enhance_options (::briar::EnhanceOptions *enhance_options)`
- void `unsafe_arena_set_allocated_media (::briar::BriarMedia *media)`
- void `UnsafeArenaSwap (EnhanceRequest *other)`
- `~EnhanceRequest () override`

Static Public Member Functions

- static const `EnhanceRequest & default_instance ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor ()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection ()`
- static const `EnhanceRequest * internal_default_instance ()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [EnhanceRequest \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eprot
- void [swap \(EnhanceRequest &a, EnhanceRequest &b\)](#)

7.225.1 Member Enumeration Documentation

7.225.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMetadataFieldNumber	
kOptionsFieldNumber	
kMediaFieldNumber	
kDurationsFieldNumber	
kEnhanceOptionsFieldNumber	
kFrameIdFieldNumber	

7.225.2 Constructor & Destructor Documentation

7.225.2.1 EnhanceRequest() [1/5]

```
briar::EnhanceRequest::EnhanceRequest ( ) [inline]
```

7.225.2.2 ~EnhanceRequest()

```
briar::EnhanceRequest::~EnhanceRequest ( ) [override]
```

7.225.2.3 EnhanceRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnhanceRequest::EnhanceRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.225.2.4 EnhanceRequest() [3/5]

```
briar::EnhanceRequest::EnhanceRequest (
    const EnhanceRequest & from )
```

7.225.2.5 EnhanceRequest() [4/5]

```
briar::EnhanceRequest::EnhanceRequest (
    EnhanceRequest && from ) [inline], [noexcept]
```

7.225.2.6 EnhanceRequest() [5/5]

```
briar::EnhanceRequest::EnhanceRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.225.3 Member Function Documentation

7.225.3.1 _InternalParse()

```
const char * briar::EnhanceRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.225.3.2 _InternalSerialize()

```
uint8_t * briar::EnhanceRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.225.3.3 add_metadata()

```
briar::Attribute * briar::EnhanceRequest::add_metadata ( ) [inline]
```

7.225.3.4 add_options()

```
briar::Attribute * briar::EnhanceRequest::add_options ( ) [inline]
```

7.225.3.5 ByteSizeLong()

```
size_t briar::EnhanceRequest::ByteSizeLong ( ) const [final]
```

7.225.3.6 Clear()

```
void briar::EnhanceRequest::Clear ( ) [final]
```

7.225.3.7 clear_durations()

```
void briar::EnhanceRequest::clear_durations ( )
```

7.225.3.8 clear_enhance_options()

```
void briar::EnhanceRequest::clear_enhance_options ( )
```

7.225.3.9 clear_frame_id()

```
void briar::EnhanceRequest::clear_frame_id ( ) [inline]
```

7.225.3.10 clear_media()

```
void briar::EnhanceRequest::clear_media ( )
```

7.225.3.11 clear_metadata()

```
void briar::EnhanceRequest::clear_metadata ( )
```

7.225.3.12 clear_options()

```
void briar::EnhanceRequest::clear_options ( )
```

7.225.3.13 CopyFrom()

```
void briar::EnhanceRequest::CopyFrom (
    const EnhanceRequest & from )
```

7.225.3.14 default_instance()

```
static const EnhanceRequest& briar::EnhanceRequest::default_instance ( ) [inline], [static]
```

7.225.3.15 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceRequest::descriptor ( ) [inline], [static]
```

7.225.3.16 durations()

```
const ::briar::BriarDurations & briar::EnhanceRequest::durations ( ) const [inline]
```

7.225.3.17 enhance_options()

```
const ::briar::EnhanceOptions & briar::EnhanceRequest::enhance_options ( ) const [inline]
```

7.225.3.18 frame_id()

```
int64_t briar::EnhanceRequest::frame_id ( ) const [inline]
```

7.225.3.19 GetCachedSize()

```
int briar::EnhanceRequest::GetCachedSize ( ) const [inline], [final]
```

7.225.3.20 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnhanceRequest::GetClassData ( )
const [final]
```

7.225.3.21 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnhanceRequest::GetDescriptor ( )
[inline], [static]
```

7.225.3.22 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnhanceRequest::GetMetadata ( ) const [final]
```

7.225.3.23 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnhanceRequest::GetReflection ( )
[inline], [static]
```

7.225.3.24 has_durations()

```
bool briar::EnhanceRequest::has_durations ( ) const [inline]
```

7.225.3.25 has_enhance_options()

```
bool briar::EnhanceRequest::has_enhance_options ( ) const [inline]
```

7.225.3.26 has_media()

```
bool briar::EnhanceRequest::has_media ( ) const [inline]
```

7.225.3.27 internal_default_instance()

```
static const EnhanceRequest* briar::EnhanceRequest::internal_default_instance ( ) [inline],  
[static]
```

7.225.3.28 IsInitialized()

```
bool briar::EnhanceRequest::IsInitialized ( ) const [final]
```

7.225.3.29 media()

```
const ::briar::BriarMedia & briar::EnhanceRequest::media ( ) const [inline]
```

7.225.3.30 MergeFrom()

```
void briar::EnhanceRequest::MergeFrom (const EnhanceRequest & from)
```

7.225.3.31 metadata() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::EnhanceRequest::metadata ( ) const [inline]
```

7.225.3.32 metadata() [2/2]

```
const ::briar::Attribute & briar::EnhanceRequest::metadata (
    int index ) const [inline]
```

7.225.3.33 metadata_size()

```
int briar::EnhanceRequest::metadata_size () const [inline]
```

7.225.3.34 mutable_durations()

```
briar::BriarDurations * briar::EnhanceRequest::mutable_durations () [inline]
```

7.225.3.35 mutable_enhance_options()

```
briar::EnhanceOptions * briar::EnhanceRequest::mutable_enhance_options () [inline]
```

7.225.3.36 mutable_media()

```
briar::BriarMedia * briar::EnhanceRequest::mutable_media () [inline]
```

7.225.3.37 mutable_metadata() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::EnhanceRequest::mutable_metadata () [inline]
```

7.225.3.38 mutable_metadata() [2/2]

```
briar::Attribute * briar::EnhanceRequest::mutable_metadata (
    int index ) [inline]
```

7.225.3.39 mutable_options() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::EnhanceRequest::mutable_options( ) [inline]
```

7.225.3.40 mutable_options() [2/2]

```
briar::Attribute * briar::EnhanceRequest::mutable_options( int index ) [inline]
```

7.225.3.41 New()

```
EnhanceRequest* briar::EnhanceRequest::New( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.225.3.42 operator=() [1/2]

```
EnhanceRequest& briar::EnhanceRequest::operator=( const EnhanceRequest & from ) [inline]
```

7.225.3.43 operator=() [2/2]

```
EnhanceRequest& briar::EnhanceRequest::operator=( EnhanceRequest && from ) [inline], [noexcept]
```

7.225.3.44 options() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::EnhanceRequest::options( ) const [inline]
```

7.225.3.45 options() [2/2]

```
const ::briar::Attribute & briar::EnhanceRequest::options( int index ) const [inline]
```

7.225.3.46 options_size()

```
int briar::EnhanceRequest::options_size ( ) const [inline]
```

7.225.3.47 release_durations()

```
briar::BriarDurations * briar::EnhanceRequest::release_durations ( ) [inline]
```

7.225.3.48 release_enhance_options()

```
briar::EnhanceOptions * briar::EnhanceRequest::release_enhance_options ( ) [inline]
```

7.225.3.49 release_media()

```
briar::BriarMedia * briar::EnhanceRequest::release_media ( ) [inline]
```

7.225.3.50 set_allocated_durations()

```
void briar::EnhanceRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.225.3.51 set_allocated_enhance_options()

```
void briar::EnhanceRequest::set_allocated_enhance_options (
    ::briar::EnhanceOptions * enhance_options ) [inline]
```

7.225.3.52 set_allocated_media()

```
void briar::EnhanceRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.225.3.53 set_frame_id()

```
void briar::EnhanceRequest::set_frame_id (
    int64_t value ) [inline]
```

7.225.3.54 Swap()

```
void briar::EnhanceRequest::Swap (
    EnhanceRequest * other ) [inline]
```

7.225.3.55 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::EnhanceRequest::unsafe_arena_release_durations () [inline]
```

7.225.3.56 unsafe_arena_release_enhance_options()

```
briar::EnhanceOptions * briar::EnhanceRequest::unsafe_arena_release_enhance_options () [inline]
```

7.225.3.57 unsafe_arena_release_media()

```
briar::BriarMedia * briar::EnhanceRequest::unsafe_arena_release_media () [inline]
```

7.225.3.58 unsafe_arena_set_allocated_durations()

```
void briar::EnhanceRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.225.3.59 unsafe_arena_set_allocated_enhance_options()

```
void briar::EnhanceRequest::unsafe_arena_set_allocated_enhance_options (
    ::briar::EnhanceOptions * enhance_options ) [inline]
```

7.225.3.60 unsafe_arena_set_allocated_media()

```
void briar::EnhanceRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.225.3.61 UnsafeArenaSwap()

```
void briar::EnhanceRequest::UnsafeArenaSwap (
    EnhanceRequest * other ) [inline]
```

7.225.4 Friends And Related Function Documentation

7.225.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.225.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.225.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.225.4.4 swap

```
void swap (
    EnhanceRequest & a,
    EnhanceRequest & b ) [friend]
```

7.225.5 Member Data Documentation

7.225.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnhanceRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnhanceRequest::MergeImpl
}
```

7.225.5.2 `kIndexInFileMessages`

```
constexpr int briar::EnhanceRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

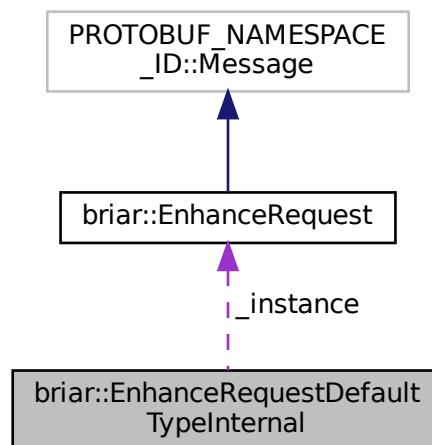
```
= 57
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.226 briar::EnhanceRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnhanceRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [EnhanceRequestDefaultTypeInternal \(\)](#)
- [~EnhanceRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 EnhanceRequest _instance
};

7.226.1 Constructor & Destructor Documentation

7.226.1.1 EnhanceRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnhanceRequestDefaultTypeInternal::EnhanceRequestDefaultTypeInternal
( ) [inline]
```

7.226.1.2 ~EnhanceRequestDefaultTypeInternal()

```
briar::EnhanceRequestDefaultTypeInternal::~EnhanceRequestDefaultTypeInternal ( ) [inline]
```

7.226.2 Member Data Documentation

7.226.2.1

```
union { ... }
```

7.226.2.2 _instance

```
EnhanceRequest briar::EnhanceRequestDefaultTypeInternal::_instance
```

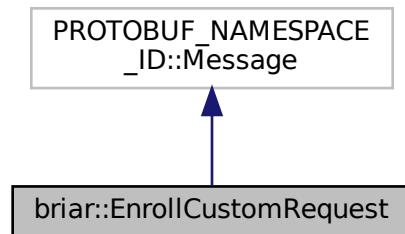
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

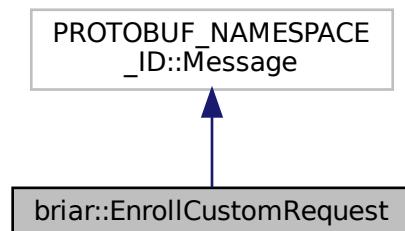
7.227 briar::EnrollCustomRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::EnrollCustomRequest:



Collaboration diagram for briar::EnrollCustomRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kSigsetEncodedFieldNumber = 1 , kSigsetNameFieldNumber = 2 , kDatabaseFieldNumber = 3 ,
 kDurationsFieldNumber = 4 ,
 kDetectOptionsFieldNumber = 5 , kExtractOptionsFieldNumber = 6 , kEnrollOptionsFieldNumber = 7 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_detect_options](#) ()
- void [clear_durations](#) ()
- void [clear_enroll_options](#) ()
- void [clear_extract_options](#) ()
- void [clear_sigset_encoded](#) ()
- void [clear_sigset_name](#) ()
- void [CopyFrom](#) (const [EnrollCustomRequest](#) &from)
- const ::briar::BriarDatabase & [database](#) () const
- const ::briar::DetectionOptions & [detect_options](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::EnrollOptions & [enroll_options](#) () const
- [EnrollCustomRequest](#) ()
- PROTOBUF_CONSTEXPR [EnrollCustomRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-Initialized)
- [EnrollCustomRequest](#) (const [EnrollCustomRequest](#) &from)
- [EnrollCustomRequest](#) ([EnrollCustomRequest](#) &&from) noexcept
- const ::briar::ExtractOptions & [extract_options](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_detect_options](#) () const
- bool [has_durations](#) () const
- bool [has_enroll_options](#) () const
- bool [has_extract_options](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [EnrollCustomRequest](#) &from)
- ::briar::BriarDatabase * [mutable_database](#) ()
- ::briar::DetectionOptions * [mutable_detect_options](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::EnrollOptions * [mutable_enroll_options](#) ()
- ::briar::ExtractOptions * [mutable_extract_options](#) ()
- std::string * [mutable_sigset_encoded](#) ()
- std::string * [mutable_sigset_name](#) ()
- [EnrollCustomRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [EnrollCustomRequest](#) & [operator=](#) (const [EnrollCustomRequest](#) &from)
- [EnrollCustomRequest](#) & [operator=](#) ([EnrollCustomRequest](#) &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarDatabase * [release_database](#) ()
- PROTOBUF_NODISCARD ::briar::DetectionOptions * [release_detect_options](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::EnrollOptions * [release_enroll_options](#) ()
- PROTOBUF_NODISCARD ::briar::ExtractOptions * [release_extract_options](#) ()
- PROTOBUF_NODISCARD std::string * [release_sigset_encoded](#) ()
- PROTOBUF_NODISCARD std::string * [release_sigset_name](#) ()
- void [set_allocated_database](#) (::briar::BriarDatabase *database)
- void [set_allocated_detect_options](#) (::briar::DetectionOptions *detect_options)

- void `set_allocated_durations` (::briar::BriarDurations *durations)
- void `set_allocated_enroll_options` (::briar::EnrollOptions *enroll_options)
- void `set_allocated_extract_options` (::briar::ExtractOptions *extract_options)
- void `set_allocated_sigset_encoded` (std::string *sigset_encoded)
- void `set_allocated_sigset_name` (std::string *sigset_name)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_sigset_encoded` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_sigset_encoded` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_sigset_name` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_sigset_name` (ArgT0 &&arg0, ArgT... args)
- const std::string & `sigset_encoded` () const
- const std::string & `sigset_name` () const
- void `Swap` (EnrollCustomRequest *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::EnrollOptions * `unsafe_arena_release_enroll_options` ()
- ::briar::ExtractOptions * `unsafe_arena_release_extract_options` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_detect_options` (::briar::DetectionOptions *detect_options)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_enroll_options` (::briar::EnrollOptions *enroll_options)
- void `unsafe_arena_set_allocated_extract_options` (::briar::ExtractOptions *extract_options)
- void `UnsafeArenaSwap` (EnrollCustomRequest *other)
- `~EnrollCustomRequest` () override

Static Public Member Functions

- static const EnrollCustomRequest & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const EnrollCustomRequest * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `EnrollCustomRequest` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5bservice_2proto
- void `swap` (EnrollCustomRequest &a, EnrollCustomRequest &b)

7.227.1 Member Enumeration Documentation

7.227.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSigsetEncodedFieldNumber	
kSigSetNameFieldNumber	
kDatabaseFieldNumber	
kDurationsFieldNumber	
kDetectOptionsFieldNumber	
kExtractOptionsFieldNumber	
kEnrollOptionsFieldNumber	

7.227.2 Constructor & Destructor Documentation

7.227.2.1 EnrollCustomRequest() [1/5]

```
briar::EnrollCustomRequest::EnrollCustomRequest ( ) [inline]
```

7.227.2.2 ~EnrollCustomRequest()

```
briar::EnrollCustomRequest::~EnrollCustomRequest ( ) [override]
```

7.227.2.3 EnrollCustomRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnrollCustomRequest::EnrollCustomRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.227.2.4 EnrollCustomRequest() [3/5]

```
briar::EnrollCustomRequest::EnrollCustomRequest (
    const EnrollCustomRequest & from )
```

7.227.2.5 EnrollCustomRequest() [4/5]

```
briar::EnrollCustomRequest::EnrollCustomRequest (
    EnrollCustomRequest && from ) [inline], [noexcept]
```

7.227.2.6 EnrollCustomRequest() [5/5]

```
briar::EnrollCustomRequest::EnrollCustomRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.227.3 Member Function Documentation

7.227.3.1 _InternalParse()

```
const char * briar::EnrollCustomRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.227.3.2 _InternalSerialize()

```
uint8_t * briar::EnrollCustomRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.227.3.3 ByteSizeLong()

```
size_t briar::EnrollCustomRequest::ByteSizeLong ( ) const [final]
```

7.227.3.4 Clear()

```
void briar::EnrollCustomRequest::Clear ( ) [final]
```

7.227.3.5 clear_database()

```
void briar::EnrollCustomRequest::clear_database ( )
```

7.227.3.6 clear_detect_options()

```
void briar::EnrollCustomRequest::clear_detect_options ( )
```

7.227.3.7 clear_durations()

```
void briar::EnrollCustomRequest::clear_durations ( )
```

7.227.3.8 clear_enroll_options()

```
void briar::EnrollCustomRequest::clear_enroll_options ( )
```

7.227.3.9 clear_extract_options()

```
void briar::EnrollCustomRequest::clear_extract_options ( )
```

7.227.3.10 clear_sigset_encoded()

```
void briar::EnrollCustomRequest::clear_sigset_encoded ( ) [inline]
```

7.227.3.11 clear_sigset_name()

```
void briar::EnrollCustomRequest::clear_sigset_name ( ) [inline]
```

7.227.3.12 CopyFrom()

```
void briar::EnrollCustomRequest::CopyFrom (
    const EnrollCustomRequest & from )
```

7.227.3.13 database()

```
const ::briar::BriarDatabase & briar::EnrollCustomRequest::database () const [inline]
```

7.227.3.14 default_instance()

```
static const EnrollCustomRequest& briar::EnrollCustomRequest::default_instance () [inline],  
[static]
```

7.227.3.15 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollCustomRequest::descriptor ()  
[inline], [static]
```

7.227.3.16 detect_options()

```
const ::briar::DetectionOptions & briar::EnrollCustomRequest::detect_options () const [inline]
```

7.227.3.17 durations()

```
const ::briar::BriarDurations & briar::EnrollCustomRequest::durations () const [inline]
```

7.227.3.18 enroll_options()

```
const ::briar::EnrollOptions & briar::EnrollCustomRequest::enroll_options () const [inline]
```

7.227.3.19 extract_options()

```
const ::briar::ExtractOptions & briar::EnrollCustomRequest::extract_options () const [inline]
```

7.227.3.20 GetCachedSize()

```
int briar::EnrollCustomRequest::GetCachedSize ( ) const [inline], [final]
```

7.227.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnrollCustomRequest::GetClassData ( ) const [final]
```

7.227.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollCustomRequest::GetDescriptor ( ) [inline], [static]
```

7.227.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnrollCustomRequest::GetMetadata ( ) const [final]
```

7.227.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnrollCustomRequest::GetReflection ( ) [inline], [static]
```

7.227.3.25 has_database()

```
bool briar::EnrollCustomRequest::has_database ( ) const [inline]
```

7.227.3.26 has_detect_options()

```
bool briar::EnrollCustomRequest::has_detect_options ( ) const [inline]
```

7.227.3.27 has_durations()

```
bool briar::EnrollCustomRequest::has_durations () const [inline]
```

7.227.3.28 has_enroll_options()

```
bool briar::EnrollCustomRequest::has_enroll_options () const [inline]
```

7.227.3.29 has_extract_options()

```
bool briar::EnrollCustomRequest::has_extract_options () const [inline]
```

7.227.3.30 internal_default_instance()

```
static const EnrollCustomRequest* briar::EnrollCustomRequest::internal_default_instance ()  
[inline], [static]
```

7.227.3.31 IsInitialized()

```
bool briar::EnrollCustomRequest::IsInitialized () const [final]
```

7.227.3.32 MergeFrom()

```
void briar::EnrollCustomRequest::MergeFrom (  
    const EnrollCustomRequest & from )
```

7.227.3.33 mutable_database()

```
briar::BriarDatabase * briar::EnrollCustomRequest::mutable_database () [inline]
```

7.227.3.34 `mutable_detect_options()`

```
briar::DetectionOptions * briar::EnrollCustomRequest::mutable_detect_options ( ) [inline]
```

7.227.3.35 `mutable_durations()`

```
briar::BriarDurations * briar::EnrollCustomRequest::mutable_durations ( ) [inline]
```

7.227.3.36 `mutable_enroll_options()`

```
briar::EnrollOptions * briar::EnrollCustomRequest::mutable_enroll_options ( ) [inline]
```

7.227.3.37 `mutable_extract_options()`

```
briar::ExtractOptions * briar::EnrollCustomRequest::mutable_extract_options ( ) [inline]
```

7.227.3.38 `mutable_sigset_encoded()`

```
std::string * briar::EnrollCustomRequest::mutable_sigset_encoded ( ) [inline]
```

7.227.3.39 `mutable_sigset_name()`

```
std::string * briar::EnrollCustomRequest::mutable_sigset_name ( ) [inline]
```

7.227.3.40 `New()`

```
EnrollCustomRequest* briar::EnrollCustomRequest::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.227.3.41 operator=() [1/2]

```
EnrollCustomRequest& briar::EnrollCustomRequest::operator= (
    const EnrollCustomRequest & from ) [inline]
```

7.227.3.42 operator=() [2/2]

```
EnrollCustomRequest& briar::EnrollCustomRequest::operator= (
    EnrollCustomRequest && from ) [inline], [noexcept]
```

7.227.3.43 release_database()

```
briar::BriarDatabase * briar::EnrollCustomRequest::release_database () [inline]
```

7.227.3.44 release_detect_options()

```
briar::DetectionOptions * briar::EnrollCustomRequest::release_detect_options () [inline]
```

7.227.3.45 release_durations()

```
briar::BriarDurations * briar::EnrollCustomRequest::release_durations () [inline]
```

7.227.3.46 release_enroll_options()

```
briar::EnrollOptions * briar::EnrollCustomRequest::release_enroll_options () [inline]
```

7.227.3.47 release_extract_options()

```
briar::ExtractOptions * briar::EnrollCustomRequest::release_extract_options () [inline]
```

7.227.3.48 release_sigset_encoded()

```
std::string * briar::EnrollCustomRequest::release_sigset_encoded ( ) [inline]
```

7.227.3.49 release_sigset_name()

```
std::string * briar::EnrollCustomRequest::release_sigset_name ( ) [inline]
```

7.227.3.50 set_allocated_database()

```
void briar::EnrollCustomRequest::set_allocated_database ( ::briar::BriarDatabase * database ) [inline]
```

7.227.3.51 set_allocated_detect_options()

```
void briar::EnrollCustomRequest::set_allocated_detect_options ( ::briar::DetectionOptions * detect_options ) [inline]
```

7.227.3.52 set_allocated_durations()

```
void briar::EnrollCustomRequest::set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.227.3.53 set_allocated_enroll_options()

```
void briar::EnrollCustomRequest::set_allocated_enroll_options ( ::briar::EnrollOptions * enroll_options ) [inline]
```

7.227.3.54 set_allocated_extract_options()

```
void briar::EnrollCustomRequest::set_allocated_extract_options ( ::briar::ExtractOptions * extract_options ) [inline]
```

7.227.3.55 set_allocated_sigset_encoded()

```
void briar::EnrollCustomRequest::set_allocated_sigset_encoded (
    std::string * sigset_encoded ) [inline]
```

7.227.3.56 set_allocated_sigset_name()

```
void briar::EnrollCustomRequest::set_allocated_sigset_name (
    std::string * sigset_name ) [inline]
```

7.227.3.57 set_sigset_encoded() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollCustomRequest::set_sigset_encoded (
    ArgT0 && arg0,
    ArgT... args )
```

7.227.3.58 set_sigset_encoded() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollCustomRequest::set_sigset_encoded (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.227.3.59 set_sigset_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollCustomRequest::set_sigset_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.227.3.60 set_sigset_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollCustomRequest::set_sigset_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.227.3.61 sigset_encoded()

```
const std::string & briar::EnrollCustomRequest::sigset_encoded ( ) const [inline]
```

7.227.3.62 sigset_name()

```
const std::string & briar::EnrollCustomRequest::sigset_name ( ) const [inline]
```

7.227.3.63 Swap()

```
void briar::EnrollCustomRequest::Swap (
    EnrollCustomRequest * other ) [inline]
```

7.227.3.64 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::EnrollCustomRequest::unsafe_arena_release_database ( ) [inline]
```

7.227.3.65 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::EnrollCustomRequest::unsafe_arena_release_detect_options ( )
[inline]
```

7.227.3.66 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::EnrollCustomRequest::unsafe_arena_release_durations ( ) [inline]
```

7.227.3.67 unsafe_arena_release_enroll_options()

```
briar::EnrollOptions * briar::EnrollCustomRequest::unsafe_arena_release_enroll_options ( )
[inline]
```

7.227.3.68 unsafe_arena_release_extract_options()

```
briar::ExtractOptions * briar::EnrollCustomRequest::unsafe_arena_release_extract_options ( )  
[inline]
```

7.227.3.69 unsafe_arena_set_allocated_database()

```
void briar::EnrollCustomRequest::unsafe_arena_set_allocated_database (  
    ::briar::BriarDatabase * database ) [inline]
```

7.227.3.70 unsafe_arena_set_allocated_detect_options()

```
void briar::EnrollCustomRequest::unsafe_arena_set_allocated_detect_options (   
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.227.3.71 unsafe_arena_set_allocated_durations()

```
void briar::EnrollCustomRequest::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.227.3.72 unsafe_arena_set_allocated_enroll_options()

```
void briar::EnrollCustomRequest::unsafe_arena_set_allocated_enroll_options (   
    ::briar::EnrollOptions * enroll_options ) [inline]
```

7.227.3.73 unsafe_arena_set_allocated_extract_options()

```
void briar::EnrollCustomRequest::unsafe_arena_set_allocated_extract_options (   
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.227.3.74 UnsafeArenaSwap()

```
void briar::EnrollCustomRequest::UnsafeArenaSwap (   
    EnrollCustomRequest * other ) [inline]
```

7.227.4 Friends And Related Function Documentation

7.227.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.227.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.227.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.227.4.4 swap

```
void swap (
    EnrollCustomRequest & a,
    EnrollCustomRequest & b ) [friend]
```

7.227.5 Member Data Documentation

7.227.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnrollCustomRequest::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnrollCustomRequest::MergeImpl
}
```

7.227.5.2 kIndexInFileMessages

```
constexpr int briar::EnrollCustomRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

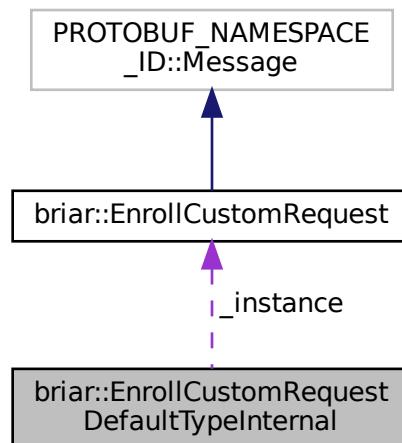
```
= 34
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.228 briar::EnrollCustomRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnrollCustomRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnrollCustomRequestDefaultTypeInternal ()
- ~EnrollCustomRequestDefaultTypeInternal ()

Public Attributes

- union {

 EnrollCustomRequest _instance

};

7.228.1 Constructor & Destructor Documentation

7.228.1.1 EnrollCustomRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnrollCustomRequestDefaultTypeInternal::EnrollCustomRequestDefault←  
TypeInternal ( ) [inline]
```

7.228.1.2 ~EnrollCustomRequestDefaultTypeInternal()

```
briar::EnrollCustomRequestDefaultTypeInternal::~EnrollCustomRequestDefaultTypeInternal ( )  
[inline]
```

7.228.2 Member Data Documentation

7.228.2.1

```
union { ... }
```

7.228.2.2 _instance

```
EnrollCustomRequest briar::EnrollCustomRequestDefaultTypeInternal::_instance
```

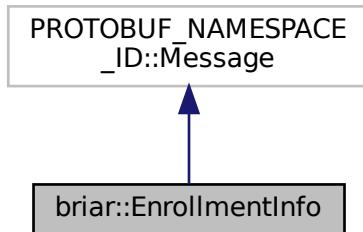
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

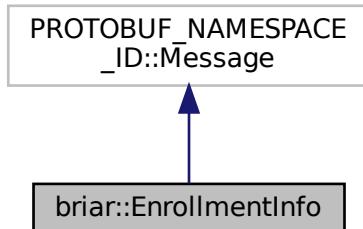
7.229 briar::EnrollmentInfo Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::EnrollmentInfo:



Collaboration diagram for briar::EnrollmentInfo:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kAttributesFieldNumber](#) = 7 , [kDatabaseIdFieldNumber](#) = 1 , [kMediaIdFieldNumber](#) = 2 , [kSubjectIdFieldNumber](#) = 3 ,
 [kNameFieldNumber](#) = 5 , [kSourceFieldNumber](#) = 6 , [kTypeFieldNumber](#) = 4 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_attributes` ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `attributes` () const
- const ::briar::Attribute & `attributes` (int index) const
- int `attributes_size` () const
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_attributes` ()
- void `clear_database_id` ()
- void `clear_media_id` ()
- void `clear_name` ()
- void `clear_source` ()
- void `clear_subject_id` ()
- void `clear_type` ()
- void `CopyFrom` (const `EnrollmentInfo` &from)
- const std::string & `database_id` () const
- `EnrollmentInfo` ()
- PROTOBUF_CONSTEXPR `EnrollmentInfo` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `EnrollmentInfo` (const `EnrollmentInfo` &from)
- `EnrollmentInfo` (`EnrollmentInfo` &&from) noexcept
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- const std::string & `media_id` () const
- void `MergeFrom` (const `EnrollmentInfo` &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_attributes` ()
- ::briar::Attribute * `mutable_attributes` (int index)
- std::string * `mutable_database_id` ()
- std::string * `mutable_media_id` ()
- std::string * `mutable_name` ()
- std::string * `mutable_source` ()
- std::string * `mutable_subject_id` ()
- const std::string & `name` () const
- `EnrollmentInfo` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `EnrollmentInfo` & `operator=` (const `EnrollmentInfo` &from)
- `EnrollmentInfo` & `operator=` (`EnrollmentInfo` &&from) noexcept
- PROTOBUF_NODISCARD std::string * `release_database_id` ()
- PROTOBUF_NODISCARD std::string * `release_media_id` ()
- PROTOBUF_NODISCARD std::string * `release_name` ()
- PROTOBUF_NODISCARD std::string * `release_source` ()
- PROTOBUF_NODISCARD std::string * `release_subject_id` ()
- void `set_allocated_database_id` (std::string *`database_id`)
- void `set_allocated_media_id` (std::string *`media_id`)
- void `set_allocated_name` (std::string *`name`)
- void `set_allocated_source` (std::string *`source`)
- void `set_allocated_subject_id` (std::string *`subject_id`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_database_id` (ArgT0 &&arg0, ArgT... args)

- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_database_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_source](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_source](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_id](#) (ArgT0 &&arg0, ArgT... args)
- void [set_type](#) (::briar::EntryType value)
- const std::string & [source](#) () const
- const std::string & [subject_id](#) () const
- void [Swap](#) (EnrollmentInfo *other)
- ::briar::EntryType [type](#) () const
- void [UnsafeArenaSwap](#) (EnrollmentInfo *other)
- [~EnrollmentInfo](#) () override

Static Public Member Functions

- static const EnrollmentInfo & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const EnrollmentInfo * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [EnrollmentInfo](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) (EnrollmentInfo &a, EnrollmentInfo &b)

7.229.1 Member Enumeration Documentation

7.229.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kAttributesFieldNumber	
kDatabaseIdFieldNumber	
kMediaIdFieldNumber	
kSubjectIdFieldNumber	
kNameFieldNumber	
kSourceFieldNumber	
kTypeFieldNumber	

7.229.2 Constructor & Destructor Documentation

7.229.2.1 EnrollmentInfo() [1/5]

```
briar::EnrollmentInfo::EnrollmentInfo ( ) [inline]
```

7.229.2.2 ~EnrollmentInfo()

```
briar::EnrollmentInfo::~EnrollmentInfo ( ) [override]
```

7.229.2.3 EnrollmentInfo() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnrollmentInfo::EnrollmentInfo (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.229.2.4 EnrollmentInfo() [3/5]

```
briar::EnrollmentInfo::EnrollmentInfo (
    const EnrollmentInfo & from )
```

7.229.2.5 EnrollmentInfo() [4/5]

```
briar::EnrollmentInfo::EnrollmentInfo (
    EnrollmentInfo && from ) [inline], [noexcept]
```

7.229.2.6 EnrollmentInfo() [5/5]

```
briar::EnrollmentInfo::EnrollmentInfo (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.229.3 Member Function Documentation

7.229.3.1 _InternalParse()

```
const char * briar::EnrollmentInfo::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.229.3.2 _InternalSerialize()

```
uint8_t * briar::EnrollmentInfo::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.229.3.3 add_attributes()

```
briar::Attribute * briar::EnrollmentInfo::add_attributes () [inline]
```

7.229.3.4 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::EnrollmentInfo::attributes () const [inline]
```

7.229.3.5 attributes() [2/2]

```
const ::briar::Attribute & briar::EnrollmentInfo::attributes (
    int index ) const [inline]
```

7.229.3.6 attributes_size()

```
int briar::EnrollmentInfo::attributes_size () const [inline]
```

7.229.3.7 ByteSizeLong()

```
size_t briar::EnrollmentInfo::ByteSizeLong () const [final]
```

7.229.3.8 Clear()

```
void briar::EnrollmentInfo::Clear () [final]
```

7.229.3.9 clear_attributes()

```
void briar::EnrollmentInfo::clear_attributes () [inline]
```

7.229.3.10 clear_database_id()

```
void briar::EnrollmentInfo::clear_database_id () [inline]
```

7.229.3.11 clear_media_id()

```
void briar::EnrollmentInfo::clear_media_id () [inline]
```

7.229.3.12 clear_name()

```
void briar::EnrollmentInfo::clear_name ( ) [inline]
```

7.229.3.13 clear_source()

```
void briar::EnrollmentInfo::clear_source ( ) [inline]
```

7.229.3.14 clear_subject_id()

```
void briar::EnrollmentInfo::clear_subject_id ( ) [inline]
```

7.229.3.15 clear_type()

```
void briar::EnrollmentInfo::clear_type ( ) [inline]
```

7.229.3.16 CopyFrom()

```
void briar::EnrollmentInfo::CopyFrom (
    const EnrollmentInfo & from )
```

7.229.3.17 database_id()

```
const std::string & briar::EnrollmentInfo::database_id ( ) const [inline]
```

7.229.3.18 default_instance()

```
static const EnrollmentInfo& briar::EnrollmentInfo::default_instance ( ) [inline], [static]
```

7.229.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollmentInfo::descriptor() const [inline], [static]
```

7.229.3.20 GetCachedSize()

```
int briar::EnrollmentInfo::GetCachedSize() const [inline], [final]
```

7.229.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData* briar::EnrollmentInfo::GetClassData() const [final]
```

7.229.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollmentInfo::GetDescriptor() const [inline], [static]
```

7.229.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnrollmentInfo::GetMetadata() const [final]
```

7.229.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnrollmentInfo::GetReflection() const [inline], [static]
```

7.229.3.25 internal_default_instance()

```
static const EnrollmentInfo* briar::EnrollmentInfo::internal_default_instance() const [inline], [static]
```

7.229.3.26 IsInitialized()

```
bool briar::EnrollmentInfo::IsInitialized ( ) const [final]
```

7.229.3.27 media_id()

```
const std::string & briar::EnrollmentInfo::media_id ( ) const [inline]
```

7.229.3.28 MergeFrom()

```
void briar::EnrollmentInfo::MergeFrom (
    const EnrollmentInfo & from )
```

7.229.3.29 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::EnrollmentInfo::mutable_attributes ( ) [inline]
```

7.229.3.30 mutable_attributes() [2/2]

```
briar::Attribute * briar::EnrollmentInfo::mutable_attributes (
    int index ) [inline]
```

7.229.3.31 mutable_database_id()

```
std::string * briar::EnrollmentInfo::mutable_database_id ( ) [inline]
```

7.229.3.32 mutable_media_id()

```
std::string * briar::EnrollmentInfo::mutable_media_id ( ) [inline]
```

7.229.3.33 mutable_name()

```
std::string * briar::EnrollmentInfo::mutable_name ( ) [inline]
```

7.229.3.34 mutable_source()

```
std::string * briar::EnrollmentInfo::mutable_source ( ) [inline]
```

7.229.3.35 mutable_subject_id()

```
std::string * briar::EnrollmentInfo::mutable_subject_id ( ) [inline]
```

7.229.3.36 name()

```
const std::string & briar::EnrollmentInfo::name ( ) const [inline]
```

7.229.3.37 New()

```
EnrollmentInfo* briar::EnrollmentInfo::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.229.3.38 operator=() [1/2]

```
EnrollmentInfo& briar::EnrollmentInfo::operator= ( const EnrollmentInfo & from ) [inline]
```

7.229.3.39 operator=() [2/2]

```
EnrollmentInfo& briar::EnrollmentInfo::operator= ( EnrollmentInfo && from ) [inline], [noexcept]
```

7.229.3.40 release_database_id()

```
std::string * briar::EnrollmentInfo::release_database_id ( ) [inline]
```

7.229.3.41 release_media_id()

```
std::string * briar::EnrollmentInfo::release_media_id ( ) [inline]
```

7.229.3.42 release_name()

```
std::string * briar::EnrollmentInfo::release_name ( ) [inline]
```

7.229.3.43 release_source()

```
std::string * briar::EnrollmentInfo::release_source ( ) [inline]
```

7.229.3.44 release_subject_id()

```
std::string * briar::EnrollmentInfo::release_subject_id ( ) [inline]
```

7.229.3.45 set_allocated_database_id()

```
void briar::EnrollmentInfo::set_allocated_database_id ( std::string * database_id ) [inline]
```

7.229.3.46 set_allocated_media_id()

```
void briar::EnrollmentInfo::set_allocated_media_id ( std::string * media_id ) [inline]
```

7.229.3.47 set_allocated_name()

```
void briar::EnrollmentInfo::set_allocated_name (
    std::string * name ) [inline]
```

7.229.3.48 set_allocated_source()

```
void briar::EnrollmentInfo::set_allocated_source (
    std::string * source ) [inline]
```

7.229.3.49 set_allocated_subject_id()

```
void briar::EnrollmentInfo::set_allocated_subject_id (
    std::string * subject_id ) [inline]
```

7.229.3.50 set_database_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollmentInfo::set_database_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.229.3.51 set_database_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollmentInfo::set_database_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.229.3.52 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollmentInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.229.3.53 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollmentInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.229.3.54 set_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollmentInfo::set_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.229.3.55 set_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollmentInfo::set_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.229.3.56 set_source() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollmentInfo::set_source (
    ArgT0 && arg0,
    ArgT... args )
```

7.229.3.57 set_source() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollmentInfo::set_source (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.229.3.58 set_subject_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollmentInfo::set_subject_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.229.3.59 set_subject_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollmentInfo::set_subject_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.229.3.60 set_type()

```
void briar::EnrollmentInfo::set_type (
    ::briar::EntryType value ) [inline]
```

7.229.3.61 source()

```
const std::string & briar::EnrollmentInfo::source ( ) const [inline]
```

7.229.3.62 subject_id()

```
const std::string & briar::EnrollmentInfo::subject_id ( ) const [inline]
```

7.229.3.63 Swap()

```
void briar::EnrollmentInfo::Swap (
    EnrollmentInfo * other ) [inline]
```

7.229.3.64 type()

```
briar::EntryType briar::EnrollmentInfo::type ( ) const [inline]
```

7.229.3.65 UnsafeArenaSwap()

```
void briar::EnrollmentInfo::UnsafeArenaSwap (
    EnrollmentInfo * other ) [inline]
```

7.229.4 Friends And Related Function Documentation

7.229.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.229.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.229.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.229.4.4 swap

```
void swap (
    EnrollmentInfo & a,
    EnrollmentInfo & b ) [friend]
```

7.229.5 Member Data Documentation

7.229.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnrollmentInfo::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnrollmentInfo::MergeImpl
}
```

7.229.5.2 kIndexInFileMessages

```
constexpr int briar::EnrollmentInfo::kIndexInFileMessages [static], [constexpr]
```

Initial value:

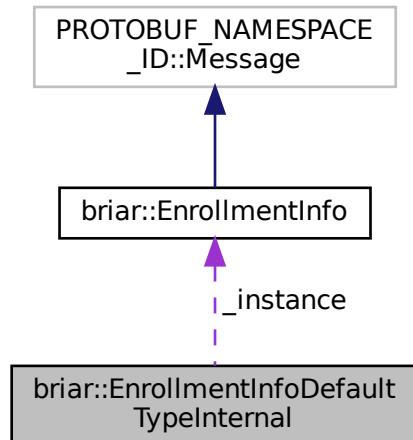
```
= 28
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.230 briar::EnrollmentInfoDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnrollmentInfoDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnrollmentInfoDefaultTypeInternal ()
- ~EnrollmentInfoDefaultTypeInternal ()

Public Attributes

- union {
 EnrollmentInfo _instance
 };

7.230.1 Constructor & Destructor Documentation

7.230.1.1 EnrollmentInfoDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnrollmentInfoDefaultTypeInternal::EnrollmentInfoDefaultTypeInternal  
( ) [inline]
```

7.230.1.2 ~EnrollmentInfoDefaultTypeInternal()

```
briar::EnrollmentInfoDefaultTypeInternal::~EnrollmentInfoDefaultTypeInternal ( ) [inline]
```

7.230.2 Member Data Documentation

7.230.2.1

```
union { ... }
```

7.230.2.2 _instance

```
EnrollmentInfo briar::EnrollmentInfoDefaultTypeInternal::_instance
```

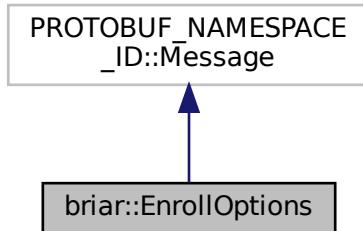
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

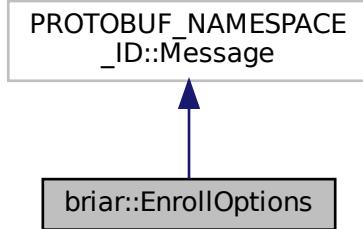
7.231 briar::EnrollOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::EnrollOptions:



Collaboration diagram for briar::EnrollOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kSubjectIdsFieldNumber](#) = 4 , [kAttributesFieldNumber](#) = 12 , [kMediaIdFieldNumber](#) = 5 , [kSaveMetadataFieldNumber](#) = 1 ,
 [kDebugFieldNumber](#) = 2 , [kEnrollBatchFieldNumber](#) = 7 , [kReturnMediaFieldNumber](#) = 10 , [kStoreMediaFieldNumber](#) = 11 ,
 [kUseSubjectIntegerIdFieldNumber](#) = 15 , [kSubjectIdIntegerFieldNumber](#) = 16 , [kEntryTypeFieldNumber](#) = 3 ,
 [kEnrollFlagFieldNumber](#) = 8 ,
 [kModalityFieldNumber](#) = 9 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- std::string * [add_subject_ids](#) ()
- void [add_subject_ids](#) (const char *value)
- void [add_subject_ids](#) (const char *value, size_t size)
- void [add_subject_ids](#) (const std::string &value)
- void [add_subject_ids](#) (std::string &&value)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_attributes](#) ()
- void [clear_debug](#) ()
- void [clear_enroll_batch](#) ()
- void [clear_enroll_flag](#) ()
- void [clear_entry_type](#) ()
- void [clear_media_id](#) ()
- void [clear_modality](#) ()
- void [clear_return_media](#) ()
- void [clear_save_metadata](#) ()
- void [clear_store_media](#) ()
- void [clear_subject_id_integer](#) ()
- void [clear_subject_ids](#) ()
- void [clear_use_subject_integer_id](#) ()
- void [CopyFrom](#) (const EnrollOptions &from)
- const ::briar::BoolOption & [debug](#) () const
- const ::briar::IntOption & [enroll_batch](#) () const
- ::briar::EnrollFlags [enroll_flag](#) () const
- [EnrollOptions](#) ()
- PROTOBUF_CONSTEXPR [EnrollOptions](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [EnrollOptions](#) (const [EnrollOptions](#) &from)
- [EnrollOptions](#) ([EnrollOptions](#) &&from) noexcept
- ::briar::EntryType [entry_type](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_debug](#) () const
- bool [has_enroll_batch](#) () const
- bool [has_return_media](#) () const
- bool [has_save_metadata](#) () const
- bool [has_store_media](#) () const
- bool [has_subject_id_integer](#) () const
- bool [has_use_subject_integer_id](#) () const
- bool [IsInitialized](#) () const final
- const std::string & [media_id](#) () const
- void [MergeFrom](#) (const [EnrollOptions](#) &from)
- ::briar::BiometricModality [modality](#) () const
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()
- ::briar::Attribute * [mutable_attributes](#) (int index)

- ::briar::BoolOption * `mutable_debug ()`
- ::briar::IntOption * `mutable_enroll_batch ()`
- std::string * `mutable_media_id ()`
- ::briar::BoolOption * `mutable_return_media ()`
- ::briar::BoolOption * `mutable_save_metadata ()`
- ::briar::BoolOption * `mutable_store_media ()`
- ::briar::IntOption * `mutable_subject_id_integer ()`
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_subject_ids ()`
- std::string * `mutable_subject_ids (int index)`
- ::briar::BoolOption * `mutable_use_subject_integer_id ()`
- `EnrollOptions * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `EnrollOptions & operator= (const EnrollOptions &from)`
- `EnrollOptions & operator= (EnrollOptions &&from) noexcept`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_debug ()`
- PROTOBUF_NODISCARD ::briar::IntOption * `release_enroll_batch ()`
- PROTOBUF_NODISCARD std::string * `release_media_id ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_return_media ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_save_metadata ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_store_media ()`
- PROTOBUF_NODISCARD ::briar::IntOption * `release_subject_id_integer ()`
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_use_subject_integer_id ()`
- const ::briar::BoolOption & `return_media () const`
- const ::briar::BoolOption & `save_metadata () const`
- void `set_allocated_debug (::briar::BoolOption *debug)`
- void `set_allocated_enroll_batch (::briar::IntOption *enroll_batch)`
- void `set_allocated_media_id (std::string *media_id)`
- void `set_allocated_return_media (::briar::BoolOption *return_media)`
- void `set_allocated_save_metadata (::briar::BoolOption *save_metadata)`
- void `set_allocated_store_media (::briar::BoolOption *store_media)`
- void `set_allocated_subject_id_integer (::briar::IntOption *subject_id_integer)`
- void `set_allocated_use_subject_integer_id (::briar::BoolOption *use_subject_integer_id)`
- void `set_enroll_flag (::briar::EnrollFlags value)`
- void `set_entry_type (::briar::EntryType value)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_media_id (ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_media_id (ArgT0 &&arg0, ArgT... args)`
- void `set_modality (::briar::BiometricModality value)`
- void `set_subject_ids (int index, const char *value)`
- void `set_subject_ids (int index, const char *value, size_t size)`
- void `set_subject_ids (int index, const std::string &value)`
- void `set_subject_ids (int index, std::string &&value)`
- const ::briar::BoolOption & `store_media () const`
- const ::briar::IntOption & `subject_id_integer () const`
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `subject_ids () const`
- const std::string & `subject_ids (int index) const`
- int `subject_ids_size () const`
- void `Swap (EnrollOptions *other)`
- ::briar::BoolOption * `unsafe_arena_release_debug ()`
- ::briar::IntOption * `unsafe_arena_release_enroll_batch ()`
- ::briar::BoolOption * `unsafe_arena_release_return_media ()`
- ::briar::BoolOption * `unsafe_arena_release_save_metadata ()`
- ::briar::BoolOption * `unsafe_arena_release_store_media ()`
- ::briar::IntOption * `unsafe_arena_release_subject_id_integer ()`
- ::briar::BoolOption * `unsafe_arena_release_use_subject_integer_id ()`

- void `unsafe_arena_set_allocated_debug` (::briar::BoolOption *`debug`)
- void `unsafe_arena_set_allocated_enroll_batch` (::briar::IntOption *`enroll_batch`)
- void `unsafe_arena_set_allocated_return_media` (::briar::BoolOption *`return_media`)
- void `unsafe_arena_set_allocated_save_metadata` (::briar::BoolOption *`save_metadata`)
- void `unsafe_arena_set_allocated_store_media` (::briar::BoolOption *`store_media`)
- void `unsafe_arena_set_allocated_subject_id_integer` (::briar::IntOption *`subject_id_integer`)
- void `unsafe_arena_set_allocated_use_subject_integer_id` (::briar::BoolOption *`use_subject_integer_id`)
- void `UnsafeArenaSwap` (`EnrollOptions` *`other`)
- const ::briar::BoolOption & `use_subject_integer_id` () const
- `~EnrollOptions` () override

Static Public Member Functions

- static const `EnrollOptions` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `EnrollOptions` * `internal_default_instance` ()

Static Public Attributes

- static const `ClassData` `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `EnrollOptions` (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned`=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void `swap` (`EnrollOptions` &`a`, `EnrollOptions` &`b`)

7.231.1 Member Enumeration Documentation

Enumerator**7.231.1.1 anonymous enum**

```
anonymous enum : int
```

Enumerator

kSubjectIdsFieldNumber	
kAttributesFieldNumber	
kMediaIdFieldNumber	
kSaveMetadataFieldNumber	
kDebugFieldNumber	
kEnrollBatchFieldNumber	
kReturnMediaFieldNumber	
kStoreMediaFieldNumber	
kUseSubjectIntegerIdFieldNumber	
kSubjectIdIntegerFieldNumber	
kEntryTypeFieldNumber	
kEnrollFlagFieldNumber	
kModalityFieldNumber	

7.231.2 Constructor & Destructor Documentation**7.231.2.1 EnrollOptions() [1/5]**

```
briar::EnrollOptions::EnrollOptions ( ) [inline]
```

7.231.2.2 ~EnrollOptions()

```
briar::EnrollOptions::~EnrollOptions ( ) [override]
```

7.231.2.3 EnrollOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnrollOptions::EnrollOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.231.2.4 EnrollOptions() [3/5]

```
briar::EnrollOptions::EnrollOptions (
    const EnrollOptions & from )
```

7.231.2.5 EnrollOptions() [4/5]

```
briar::EnrollOptions::EnrollOptions (
    EnrollOptions && from ) [inline], [noexcept]
```

7.231.2.6 EnrollOptions() [5/5]

```
briar::EnrollOptions::EnrollOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false) [explicit], [protected]
```

7.231.3 Member Function Documentation

7.231.3.1 [_InternalParse\(\)](#)

```
const char * briar::EnrollOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx) [final]
```

7.231.3.2 [_InternalSerialize\(\)](#)

```
uint8_t * briar::EnrollOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream) const [final]
```

7.231.3.3 [add_attributes\(\)](#)

```
briar::Attribute * briar::EnrollOptions::add_attributes () [inline]
```

7.231.3.4 add_subject_ids() [1/5]

```
std::string * briar::EnrollOptions::add_subject_ids ( ) [inline]
```

7.231.3.5 add_subject_ids() [2/5]

```
void briar::EnrollOptions::add_subject_ids (
    const char * value ) [inline]
```

7.231.3.6 add_subject_ids() [3/5]

```
void briar::EnrollOptions::add_subject_ids (
    const char * value,
    size_t size ) [inline]
```

7.231.3.7 add_subject_ids() [4/5]

```
void briar::EnrollOptions::add_subject_ids (
    const std::string & value ) [inline]
```

7.231.3.8 add_subject_ids() [5/5]

```
void briar::EnrollOptions::add_subject_ids (
    std::string && value ) [inline]
```

7.231.3.9 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::EnrollOptions::attributes ( ) const [inline]
```

7.231.3.10 attributes() [2/2]

```
const ::briar::Attribute & briar::EnrollOptions::attributes (
    int index ) const [inline]
```

7.231.3.11 attributes_size()

```
int briar::EnrollOptions::attributes_size ( ) const [inline]
```

7.231.3.12 ByteSizeLong()

```
size_t briar::EnrollOptions::ByteSizeLong ( ) const [final]
```

7.231.3.13 Clear()

```
void briar::EnrollOptions::Clear ( ) [final]
```

7.231.3.14 clear_attributes()

```
void briar::EnrollOptions::clear_attributes ( ) [inline]
```

7.231.3.15 clear_debug()

```
void briar::EnrollOptions::clear_debug ( ) [inline]
```

7.231.3.16 clear_enroll_batch()

```
void briar::EnrollOptions::clear_enroll_batch ( ) [inline]
```

7.231.3.17 clear_enroll_flag()

```
void briar::EnrollOptions::clear_enroll_flag ( ) [inline]
```

7.231.3.18 clear_entry_type()

```
void briar::EnrollOptions::clear_entry_type ( ) [inline]
```

7.231.3.19 clear_media_id()

```
void briar::EnrollOptions::clear_media_id ( ) [inline]
```

7.231.3.20 clear_modality()

```
void briar::EnrollOptions::clear_modality ( ) [inline]
```

7.231.3.21 clear_return_media()

```
void briar::EnrollOptions::clear_return_media ( ) [inline]
```

7.231.3.22 clear_save_metadata()

```
void briar::EnrollOptions::clear_save_metadata ( ) [inline]
```

7.231.3.23 clear_store_media()

```
void briar::EnrollOptions::clear_store_media ( ) [inline]
```

7.231.3.24 clear_subject_id_integer()

```
void briar::EnrollOptions::clear_subject_id_integer ( ) [inline]
```

7.231.3.25 clear_subject_ids()

```
void briar::EnrollOptions::clear_subject_ids ( ) [inline]
```

7.231.3.26 clear_use_subject_integer_id()

```
void briar::EnrollOptions::clear_use_subject_integer_id ( ) [inline]
```

7.231.3.27 CopyFrom()

```
void briar::EnrollOptions::CopyFrom (
    const EnrollOptions & from )
```

7.231.3.28 debug()

```
const ::briar::BoolOption & briar::EnrollOptions::debug () const [inline]
```

7.231.3.29 default_instance()

```
static const EnrollOptions& briar::EnrollOptions::default_instance () [inline], [static]
```

7.231.3.30 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollOptions::descriptor () [inline], [static]
```

7.231.3.31 enroll_batch()

```
const ::briar::IntOption & briar::EnrollOptions::enroll_batch () const [inline]
```

7.231.3.32 enroll_flag()

```
briar::EnrollFlags briar::EnrollOptions::enroll_flag () const [inline]
```

7.231.3.33 entry_type()

```
briar::EntryType briar::EnrollOptions::entry_type () const [inline]
```

7.231.3.34 GetCachedSize()

```
int briar::EnrollOptions::GetCachedSize ( ) const [inline], [final]
```

7.231.3.35 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnrollOptions::GetClassData ( )  
const [final]
```

7.231.3.36 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollOptions::GetDescriptor ( )  
[inline], [static]
```

7.231.3.37 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnrollOptions::GetMetadata ( ) const [final]
```

7.231.3.38 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnrollOptions::GetReflection ( )  
[inline], [static]
```

7.231.3.39 has_debug()

```
bool briar::EnrollOptions::has_debug ( ) const [inline]
```

7.231.3.40 has_enroll_batch()

```
bool briar::EnrollOptions::has_enroll_batch ( ) const [inline]
```

7.231.3.41 has_return_media()

```
bool briar::EnrollOptions::has_return_media () const [inline]
```

7.231.3.42 has_save_metadata()

```
bool briar::EnrollOptions::has_save_metadata () const [inline]
```

7.231.3.43 has_store_media()

```
bool briar::EnrollOptions::has_store_media () const [inline]
```

7.231.3.44 has_subject_id_integer()

```
bool briar::EnrollOptions::has_subject_id_integer () const [inline]
```

7.231.3.45 has_use_subject_integer_id()

```
bool briar::EnrollOptions::has_use_subject_integer_id () const [inline]
```

7.231.3.46 internal_default_instance()

```
static const EnrollOptions* briar::EnrollOptions::internal_default_instance () [inline],  
[static]
```

7.231.3.47 IsInitialized()

```
bool briar::EnrollOptions::IsInitialized () const [final]
```

7.231.3.48 media_id()

```
const std::string & briar::EnrollOptions::media_id ( ) const [inline]
```

7.231.3.49 MergeFrom()

```
void briar::EnrollOptions::MergeFrom (
    const EnrollOptions & from )
```

7.231.3.50 modality()

```
briar::BiometricModality briar::EnrollOptions::modality ( ) const [inline]
```

7.231.3.51 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::EnrollOptions::mutable_attributes ( ) [inline]
```

7.231.3.52 mutable_attributes() [2/2]

```
briar::Attribute * briar::EnrollOptions::mutable_attributes (
    int index ) [inline]
```

7.231.3.53 mutable_debug()

```
briar::BoolOption * briar::EnrollOptions::mutable_debug ( ) [inline]
```

7.231.3.54 mutable_enroll_batch()

```
briar::IntOption * briar::EnrollOptions::mutable_enroll_batch ( ) [inline]
```

7.231.3.55 mutable_media_id()

```
std::string * briar::EnrollOptions::mutable_media_id ( ) [inline]
```

7.231.3.56 mutable_return_media()

```
briar::BoolOption * briar::EnrollOptions::mutable_return_media ( ) [inline]
```

7.231.3.57 mutable_save_metadata()

```
briar::BoolOption * briar::EnrollOptions::mutable_save_metadata ( ) [inline]
```

7.231.3.58 mutable_store_media()

```
briar::BoolOption * briar::EnrollOptions::mutable_store_media ( ) [inline]
```

7.231.3.59 mutable_subject_id_integer()

```
briar::IntOption * briar::EnrollOptions::mutable_subject_id_integer ( ) [inline]
```

7.231.3.60 mutable_subject_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::EnrollOptions::mutable_subject_ids ( ) [inline]
```

7.231.3.61 mutable_subject_ids() [2/2]

```
std::string * briar::EnrollOptions::mutable_subject_ids ( int index ) [inline]
```

7.231.3.62 mutable_use_subject_integer_id()

```
briar::BoolOption * briar::EnrollOptions::mutable_use_subject_integer_id ( ) [inline]
```

7.231.3.63 New()

```
EnrollOptions* briar::EnrollOptions::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.231.3.64 operator=() [1/2]

```
EnrollOptions& briar::EnrollOptions::operator= ( const EnrollOptions & from ) [inline]
```

7.231.3.65 operator=() [2/2]

```
EnrollOptions& briar::EnrollOptions::operator= ( EnrollOptions && from ) [inline], [noexcept]
```

7.231.3.66 release_debug()

```
briar::BoolOption * briar::EnrollOptions::release_debug ( ) [inline]
```

7.231.3.67 release_enroll_batch()

```
briar::IntOption * briar::EnrollOptions::release_enroll_batch ( ) [inline]
```

7.231.3.68 release_media_id()

```
std::string * briar::EnrollOptions::release_media_id ( ) [inline]
```

7.231.3.69 release_return_media()

```
briar::BoolOption * briar::EnrollOptions::release_return_media ( ) [inline]
```

7.231.3.70 release_save_metadata()

```
briar::BoolOption * briar::EnrollOptions::release_save_metadata ( ) [inline]
```

7.231.3.71 release_store_media()

```
briar::BoolOption * briar::EnrollOptions::release_store_media ( ) [inline]
```

7.231.3.72 release_subject_id_integer()

```
briar::IntOption * briar::EnrollOptions::release_subject_id_integer ( ) [inline]
```

7.231.3.73 release_use_subject_integer_id()

```
briar::BoolOption * briar::EnrollOptions::release_use_subject_integer_id ( ) [inline]
```

7.231.3.74 return_media()

```
const ::briar::BoolOption & briar::EnrollOptions::return_media ( ) const [inline]
```

7.231.3.75 save_metadata()

```
const ::briar::BoolOption & briar::EnrollOptions::save_metadata ( ) const [inline]
```

7.231.3.76 set_allocated_debug()

```
void briar::EnrollOptions::set_allocated_debug ( ::briar::BoolOption * debug ) [inline]
```

7.231.3.77 set_allocated_enroll_batch()

```
void briar::EnrollOptions::set_allocated_enroll_batch (
    ::briar::IntOption * enroll_batch ) [inline]
```

7.231.3.78 set_allocated_media_id()

```
void briar::EnrollOptions::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.231.3.79 set_allocated_return_media()

```
void briar::EnrollOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.231.3.80 set_allocated_save_metadata()

```
void briar::EnrollOptions::set_allocated_save_metadata (
    ::briar::BoolOption * save_metadata ) [inline]
```

7.231.3.81 set_allocated_store_media()

```
void briar::EnrollOptions::set_allocated_store_media (
    ::briar::BoolOption * store_media ) [inline]
```

7.231.3.82 set_allocated_subject_id_integer()

```
void briar::EnrollOptions::set_allocated_subject_id_integer (
    ::briar::IntOption * subject_id_integer ) [inline]
```

7.231.3.83 set_allocated_use_subject_integer_id()

```
void briar::EnrollOptions::set_allocated_use_subject_integer_id (
    ::briar::BoolOption * use_subject_integer_id ) [inline]
```

7.231.3.84 set_enroll_flag()

```
void briar::EnrollOptions::set_enroll_flag (
    ::briar::EnrollFlags value ) [inline]
```

7.231.3.85 set_entry_type()

```
void briar::EnrollOptions::set_entry_type (
    ::briar::EntryType value ) [inline]
```

7.231.3.86 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollOptions::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.231.3.87 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollOptions::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.231.3.88 set_modality()

```
void briar::EnrollOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.231.3.89 set_subject_ids() [1/4]

```
void briar::EnrollOptions::set_subject_ids (
    int index,
    const char * value ) [inline]
```

7.231.3.90 set_subject_ids() [2/4]

```
void briar::EnrollOptions::set_subject_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.231.3.91 set_subject_ids() [3/4]

```
void briar::EnrollOptions::set_subject_ids (
    int index,
    const std::string & value ) [inline]
```

7.231.3.92 set_subject_ids() [4/4]

```
void briar::EnrollOptions::set_subject_ids (
    int index,
    std::string && value ) [inline]
```

7.231.3.93 store_media()

```
const ::briar::BoolOption & briar::EnrollOptions::store_media () const [inline]
```

7.231.3.94 subject_id_integer()

```
const ::briar::IntOption & briar::EnrollOptions::subject_id_integer () const [inline]
```

7.231.3.95 subject_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::EnrollOptions::subject_ids () const [inline]
```

7.231.3.96 subject_ids() [2/2]

```
const std::string & briar::EnrollOptions::subject_ids (
    int index ) const [inline]
```

7.231.3.97 subject_ids_size()

```
int briar::EnrollOptions::subject_ids_size ( ) const [inline]
```

7.231.3.98 Swap()

```
void briar::EnrollOptions::Swap ( EnrollOptions * other ) [inline]
```

7.231.3.99 unsafe_arena_release_debug()

```
briar::BoolOption * briar::EnrollOptions::unsafe_arena_release_debug ( ) [inline]
```

7.231.3.100 unsafe_arena_release_enroll_batch()

```
briar::IntOption * briar::EnrollOptions::unsafe_arena_release_enroll_batch ( ) [inline]
```

7.231.3.101 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::EnrollOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.231.3.102 unsafe_arena_release_save_metadata()

```
briar::BoolOption * briar::EnrollOptions::unsafe_arena_release_save_metadata ( ) [inline]
```

7.231.3.103 unsafe_arena_release_store_media()

```
briar::BoolOption * briar::EnrollOptions::unsafe_arena_release_store_media ( ) [inline]
```

7.231.3.104 unsafe_arena_release_subject_id_integer()

```
briar::IntOption * briar::EnrollOptions::unsafe_arena_release_subject_id_integer ( ) [inline]
```

7.231.3.105 unsafe_arena_release_use_subject_id()

```
briar::BoolOption * briar::EnrollOptions::unsafe_arena_release_use_subject_id ( ) [inline]
```

7.231.3.106 unsafe_arena_set_allocated_debug()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_debug ( ::briar::BoolOption * debug ) [inline]
```

7.231.3.107 unsafe_arena_set_allocated_enroll_batch()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_enroll_batch ( ::briar::IntOption * enroll_batch ) [inline]
```

7.231.3.108 unsafe_arena_set_allocated_return_media()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_return_media ( ::briar::BoolOption * return_media ) [inline]
```

7.231.3.109 unsafe_arena_set_allocated_save_metadata()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_save_metadata ( ::briar::BoolOption * save_metadata ) [inline]
```

7.231.3.110 unsafe_arena_set_allocated_store_media()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_store_media ( ::briar::BoolOption * store_media ) [inline]
```

7.231.3.111 unsafe_arena_set_allocated_subject_id_integer()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_subject_id_integer (
    ::briar::IntOption * subject_id_integer ) [inline]
```

7.231.3.112 unsafe_arena_set_allocated_use_subject_id()

```
void briar::EnrollOptions::unsafe_arena_set_allocated_use_subject_id (
    ::briar::BoolOption * use_subject_id ) [inline]
```

7.231.3.113 UnsafeArenaSwap()

```
void briar::EnrollOptions::UnsafeArenaSwap (
    EnrollOptions * other ) [inline]
```

7.231.3.114 use_subject_id()

```
const ::briar::BoolOption & briar::EnrollOptions::use_subject_id ( ) const [inline]
```

7.231.4 Friends And Related Function Documentation**7.231.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.231.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.231.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.231.4.4 swap

```
void swap (
    EnrollOptions & a,
    EnrollOptions & b ) [friend]
```

7.231.5 Member Data Documentation

7.231.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnrollOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnrollOptions::MergeImpl
}
```

7.231.5.2 `kIndexInFileMessages`

```
constexpr int briar::EnrollOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

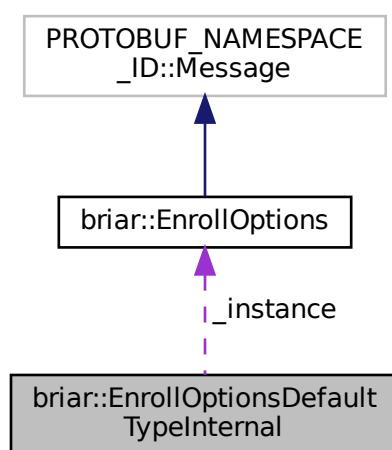
```
= 6
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.232 briar::EnrollOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnrollOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnrollOptionsDefaultTypeInternal ()
- ~EnrollOptionsDefaultTypeInternal ()

Public Attributes

- union {
 EnrollOptions _instance
};

7.232.1 Constructor & Destructor Documentation

7.232.1.1 EnrollOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnrollOptionsDefaultTypeInternal::EnrollOptionsDefaultTypeInternal ( ) [inline]
```

7.232.1.2 ~EnrollOptionsDefaultTypeInternal()

```
briar::EnrollOptionsDefaultTypeInternal::~EnrollOptionsDefaultTypeInternal ( ) [inline]
```

7.232.2 Member Data Documentation

7.232.2.1

```
union { ... }
```

7.232.2.2 _instance

```
EnrollOptions briar::EnrollOptionsDefaultTypeInternal::_instance
```

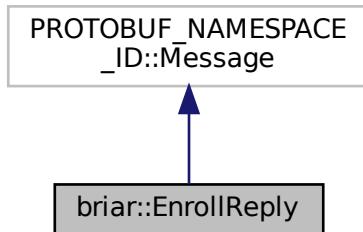
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

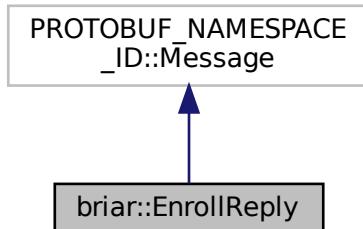
7.233 briar::EnrollReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::EnrollReply:



Collaboration diagram for briar::EnrollReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kDetectionsFieldNumber](#) = 1 , [kEnrollmentsFieldNumber](#) = 8 , [kDurationsFieldNumber](#) = 2 , [kDetectReplyFieldNumber](#) = 4 ,
 [kTrackReplyFieldNumber](#) = 5 , [kExtractReplyFieldNumber](#) = 6 , [kErrorsFieldNumber](#) = 7 , [kProgressFieldNumber](#) = 9 ,
 [kFrameIdFieldNumber](#) = 3 , [kProgressOnlyReplyFieldNumber](#) = 10 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * [add_detections](#) ()
- ::briar::EnrollmentInfo * [add_enrollments](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_detect_reply](#) ()
- void [clear_detections](#) ()
- void [clear_durations](#) ()
- void [clear_enrollments](#) ()
- void [clear_errors](#) ()
- void [clear_extract_reply](#) ()
- void [clear_frame_id](#) ()
- void [clear_progress](#) ()
- void [clear_progress_only_reply](#) ()
- void [clear_track_reply](#) ()
- void [CopyFrom](#) (const [EnrollReply](#) &from)
- const ::briar::DetectReply & [detect_reply](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [detections](#) () const
- const ::briar::Detection & [detections](#) (int index) const
- int [detections_size](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::EnrollmentInfo > & [enrollments](#) () const
- const ::briar::EnrollmentInfo & [enrollments](#) (int index) const
- int [enrollments_size](#) () const
- [EnrollReply](#) ()
- PROTOBUF_CONSTEXPR [EnrollReply](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [EnrollReply](#) (const [EnrollReply](#) &from)
- [EnrollReply](#) ([EnrollReply](#) &&from) noexcept
- const ::briar::BriarErrors & [errors](#) () const
- const ::briar::ExtractReply & [extract_reply](#) () const
- int64_t [frame_id](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_detect_reply](#) () const
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_extract_reply](#) () const
- bool [has_progress](#) () const
- bool [has_track_reply](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [EnrollReply](#) &from)
- ::briar::DetectReply * [mutable_detect_reply](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * [mutable_detections](#) ()
- ::briar::Detection * [mutable_detections](#) (int index)
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::EnrollmentInfo > * [mutable_enrollments](#) ()
- ::briar::EnrollmentInfo * [mutable_enrollments](#) (int index)
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::ExtractReply * [mutable_extract_reply](#) ()

- ::briar::BriarProgress * `mutable_progress` ()
- ::briar::TrackReply * `mutable_track_reply` ()
- `EnrollReply * New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `EnrollReply & operator=` (const `EnrollReply` &from)
- `EnrollReply & operator=` (`EnrollReply` &&from) noexcept
- const ::briar::BriarProgress & `progress` () const
- bool `progress_only_reply` () const
- PROTOBUF_NODISCARD ::briar::DetectReply * `release_detect_reply` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- PROTOBUF_NODISCARD ::briar::ExtractReply * `release_extract_reply` ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * `release_progress` ()
- PROTOBUF_NODISCARD ::briar::TrackReply * `release_track_reply` ()
- void `set_allocated_detect_reply` (::briar::DetectReply *`detect_reply`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `set_allocated_extract_reply` (::briar::ExtractReply *`extract_reply`)
- void `set_allocated_progress` (::briar::BriarProgress *`progress`)
- void `set_allocated_track_reply` (::briar::TrackReply *`track_reply`)
- void `set_frame_id` (int64_t value)
- void `set_progress_only_reply` (bool value)
- void `Swap` (`EnrollReply` *other)
- const ::briar::TrackReply & `track_reply` () const
- ::briar::DetectReply * `unsafe_arena_release_detect_reply` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- ::briar::ExtractReply * `unsafe_arena_release_extract_reply` ()
- ::briar::BriarProgress * `unsafe_arena_release_progress` ()
- ::briar::TrackReply * `unsafe_arena_release_track_reply` ()
- void `unsafe_arena_set_allocated_detect_reply` (::briar::DetectReply *`detect_reply`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `unsafe_arena_set_allocated_extract_reply` (::briar::ExtractReply *`extract_reply`)
- void `unsafe_arena_set_allocated_progress` (::briar::BriarProgress *`progress`)
- void `unsafe_arena_set_allocated_track_reply` (::briar::TrackReply *`track_reply`)
- void `UnsafeArenaSwap` (`EnrollReply` *other)
- `~EnrollReply` () override

Static Public Member Functions

- static const `EnrollReply & default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `EnrollReply * internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [EnrollReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) ([EnrollReply](#) &a, [EnrollReply](#) &b)

7.233.1 Member Enumeration Documentation

7.233.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber	
kEnrollmentsFieldNumber	
kDurationsFieldNumber	
kDetectReplyFieldNumber	
kTrackReplyFieldNumber	
kExtractReplyFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	
kFrameIdFieldNumber	
kProgressOnlyReplyFieldNumber	

7.233.2 Constructor & Destructor Documentation

7.233.2.1 EnrollReply() [1/5]

```
briar::EnrollReply::EnrollReply ( ) [inline]
```

7.233.2.2 ~EnrollReply()

```
briar::EnrollReply::~EnrollReply ( ) [override]
```

7.233.2.3 EnrollReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnrollReply::EnrollReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.233.2.4 EnrollReply() [3/5]

```
briar::EnrollReply::EnrollReply (
    const EnrollReply & from )
```

7.233.2.5 EnrollReply() [4/5]

```
briar::EnrollReply::EnrollReply (
    EnrollReply && from ) [inline], [noexcept]
```

7.233.2.6 EnrollReply() [5/5]

```
briar::EnrollReply::EnrollReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.233.3 Member Function Documentation

7.233.3.1 _InternalParse()

```
const char * briar::EnrollReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.233.3.2 _InternalSerialize()

```
uint8_t * briar::EnrollReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.233.3.3 add_detections()

```
briar::Detection * briar::EnrollReply::add_detections ( ) [inline]
```

7.233.3.4 add_enrollments()

```
briar::EnrollmentInfo * briar::EnrollReply::add_enrollments ( ) [inline]
```

7.233.3.5 ByteSizeLong()

```
size_t briar::EnrollReply::ByteSizeLong ( ) const [final]
```

7.233.3.6 Clear()

```
void briar::EnrollReply::Clear ( ) [final]
```

7.233.3.7 clear_detect_reply()

```
void briar::EnrollReply::clear_detect_reply ( ) [inline]
```

7.233.3.8 clear_detections()

```
void briar::EnrollReply::clear_detections ( )
```

7.233.3.9 clear_durations()

```
void briar::EnrollReply::clear_durations ( )
```

7.233.3.10 clear_enrollments()

```
void briar::EnrollReply::clear_enrollments ( )
```

7.233.3.11 clear_errors()

```
void briar::EnrollReply::clear_errors ( )
```

7.233.3.12 clear_extract_reply()

```
void briar::EnrollReply::clear_extract_reply ( ) [inline]
```

7.233.3.13 clear_frame_id()

```
void briar::EnrollReply::clear_frame_id ( ) [inline]
```

7.233.3.14 clear_progress()

```
void briar::EnrollReply::clear_progress ( )
```

7.233.3.15 clear_progress_only_reply()

```
void briar::EnrollReply::clear_progress_only_reply ( ) [inline]
```

7.233.3.16 clear_track_reply()

```
void briar::EnrollReply::clear_track_reply ( ) [inline]
```

7.233.3.17 CopyFrom()

```
void briar::EnrollReply::CopyFrom (
    const EnrollReply & from )
```

7.233.3.18 default_instance()

```
static const EnrollReply& briar::EnrollReply::default_instance ( ) [inline], [static]
```

7.233.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollReply::descriptor ( ) [inline], [static]
```

7.233.3.20 detect_reply()

```
const ::briar::DetectReply & briar::EnrollReply::detect_reply ( ) const [inline]
```

7.233.3.21 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection > & briar::EnrollReply::detections ( ) const [inline]
```

7.233.3.22 detections() [2/2]

```
const ::briar::Detection & briar::EnrollReply::detections ( int index ) const [inline]
```

7.233.3.23 detections_size()

```
int briar::EnrollReply::detections_size ( ) const [inline]
```

7.233.3.24 durations()

```
const ::briar::BriarDurations & briar::EnrollReply::durations ( ) const [inline]
```

7.233.3.25 enrollments() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::EnrollmentInfo> & briar::Enroll->
Reply::enrollments( ) const [inline]
```

7.233.3.26 enrollments() [2/2]

```
const ::briar::EnrollmentInfo & briar::EnrollReply::enrollments(
    int index) const [inline]
```

7.233.3.27 enrollments_size()

```
int briar::EnrollReply::enrollments_size( ) const [inline]
```

7.233.3.28 errors()

```
const ::briar::BriarErrors & briar::EnrollReply::errors( ) const [inline]
```

7.233.3.29 extract_reply()

```
const ::briar::ExtractReply & briar::EnrollReply::extract_reply( ) const [inline]
```

7.233.3.30 frame_id()

```
int64_t briar::EnrollReply::frame_id( ) const [inline]
```

7.233.3.31 GetCachedSize()

```
int briar::EnrollReply::GetCachedSize( ) const [inline], [final]
```

7.233.3.32 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnrollReply::GetClassData() const  
[final]
```

7.233.3.33 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollReply::GetDescriptor() [inline],  
[static]
```

7.233.3.34 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnrollReply::GetMetadata() const [final]
```

7.233.3.35 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnrollReply::GetReflection() [inline],  
[static]
```

7.233.3.36 has_detect_reply()

```
bool briar::EnrollReply::has_detect_reply() const [inline]
```

7.233.3.37 has_durations()

```
bool briar::EnrollReply::has_durations() const [inline]
```

7.233.3.38 has_errors()

```
bool briar::EnrollReply::has_errors() const [inline]
```

7.233.3.39 has_extract_reply()

```
bool briar::EnrollReply::has_extract_reply ( ) const [inline]
```

7.233.3.40 has_progress()

```
bool briar::EnrollReply::has_progress ( ) const [inline]
```

7.233.3.41 has_track_reply()

```
bool briar::EnrollReply::has_track_reply ( ) const [inline]
```

7.233.3.42 internal_default_instance()

```
static const EnrollReply* briar::EnrollReply::internal_default_instance ( ) [inline], [static]
```

7.233.3.43 IsInitialized()

```
bool briar::EnrollReply::IsInitialized ( ) const [final]
```

7.233.3.44 MergeFrom()

```
void briar::EnrollReply::MergeFrom (
    const EnrollReply & from )
```

7.233.3.45 mutable_detect_reply()

```
briar::DetectReply * briar::EnrollReply::mutable_detect_reply ( ) [inline]
```

7.233.3.46 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::EnrollReply::mutable_detections( ) [inline]
```

7.233.3.47 mutable_detections() [2/2]

```
briar::Detection * briar::EnrollReply::mutable_detections( int index ) [inline]
```

7.233.3.48 mutable_durations()

```
briar::BriarDurations * briar::EnrollReply::mutable_durations( ) [inline]
```

7.233.3.49 mutable_enrollments() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::EnrollmentInfo> * briar::EnrollReply::mutable_enrollments( ) [inline]
```

7.233.3.50 mutable_enrollments() [2/2]

```
briar::EnrollmentInfo * briar::EnrollReply::mutable_enrollments( int index ) [inline]
```

7.233.3.51 mutable_errors()

```
briar::BriarErrors * briar::EnrollReply::mutable_errors( ) [inline]
```

7.233.3.52 mutable_extract_reply()

```
briar::ExtractReply * briar::EnrollReply::mutable_extract_reply( ) [inline]
```

7.233.3.53 mutable_progress()

```
briar::BriarProgress * briar::EnrollReply::mutable_progress ( ) [inline]
```

7.233.3.54 mutable_track_reply()

```
briar::TrackReply * briar::EnrollReply::mutable_track_reply ( ) [inline]
```

7.233.3.55 New()

```
EnrollReply* briar::EnrollReply::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.233.3.56 operator=() [1/2]

```
EnrollReply& briar::EnrollReply::operator= ( const EnrollReply & from ) [inline]
```

7.233.3.57 operator=() [2/2]

```
EnrollReply& briar::EnrollReply::operator= ( EnrollReply && from ) [inline], [noexcept]
```

7.233.3.58 progress()

```
const ::briar::BriarProgress & briar::EnrollReply::progress ( ) const [inline]
```

7.233.3.59 progress_only_reply()

```
bool briar::EnrollReply::progress_only_reply ( ) const [inline]
```

7.233.3.60 release_detect_reply()

```
briar::DetectReply * briar::EnrollReply::release_detect_reply ( ) [inline]
```

7.233.3.61 release_durations()

```
briar::BriarDurations * briar::EnrollReply::release_durations ( ) [inline]
```

7.233.3.62 release_errors()

```
briar::BriarErrors * briar::EnrollReply::release_errors ( ) [inline]
```

7.233.3.63 release_extract_reply()

```
briar::ExtractReply * briar::EnrollReply::release_extract_reply ( ) [inline]
```

7.233.3.64 release_progress()

```
briar::BriarProgress * briar::EnrollReply::release_progress ( ) [inline]
```

7.233.3.65 release_track_reply()

```
briar::TrackReply * briar::EnrollReply::release_track_reply ( ) [inline]
```

7.233.3.66 set_allocated_detect_reply()

```
void briar::EnrollReply::set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.233.3.67 set_allocated_durations()

```
void briar::EnrollReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.233.3.68 set_allocated_errors()

```
void briar::EnrollReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.233.3.69 set_allocated_extract_reply()

```
void briar::EnrollReply::set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.233.3.70 set_allocated_progress()

```
void briar::EnrollReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.233.3.71 set_allocated_track_reply()

```
void briar::EnrollReply::set_allocated_track_reply (
    ::briar::TrackReply * track_reply ) [inline]
```

7.233.3.72 set_frame_id()

```
void briar::EnrollReply::set_frame_id (
    int64_t value ) [inline]
```

7.233.3.73 set_progress_only_reply()

```
void briar::EnrollReply::set_progress_only_reply (
    bool value ) [inline]
```

7.233.3.74 Swap()

```
void briar::EnrollReply::Swap (
    EnrollReply * other ) [inline]
```

7.233.3.75 track_reply()

```
const ::briar::TrackReply & briar::EnrollReply::track_reply ( ) const [inline]
```

7.233.3.76 unsafe_arena_release_detect_reply()

```
briar::DetectReply * briar::EnrollReply::unsafe_arena_release_detect_reply ( ) [inline]
```

7.233.3.77 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::EnrollReply::unsafe_arena_release_durations ( ) [inline]
```

7.233.3.78 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::EnrollReply::unsafe_arena_release_errors ( ) [inline]
```

7.233.3.79 unsafe_arena_release_extract_reply()

```
briar::ExtractReply * briar::EnrollReply::unsafe_arena_release_extract_reply ( ) [inline]
```

7.233.3.80 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::EnrollReply::unsafe_arena_release_progress ( ) [inline]
```

7.233.3.81 unsafe_arena_release_track_reply()

```
briar::TrackReply * briar::EnrollReply::unsafe_arena_release_track_reply ( ) [inline]
```

7.233.3.82 unsafe_arena_set_allocated_detect_reply()

```
void briar::EnrollReply::unsafe_arena_set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.233.3.83 unsafe_arena_set_allocated_durations()

```
void briar::EnrollReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.233.3.84 unsafe_arena_set_allocated_errors()

```
void briar::EnrollReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.233.3.85 unsafe_arena_set_allocated_extract_reply()

```
void briar::EnrollReply::unsafe_arena_set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.233.3.86 unsafe_arena_set_allocated_progress()

```
void briar::EnrollReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.233.3.87 unsafe_arena_set_allocated_track_reply()

```
void briar::EnrollReply::unsafe_arena_set_allocated_track_reply (
    ::briar::TrackReply * track_reply ) [inline]
```

7.233.3.88 UnsafeArenaSwap()

```
void briar::EnrollReply::UnsafeArenaSwap (
    EnrollReply * other ) [inline]
```

7.233.4 Friends And Related Function Documentation

7.233.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.233.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.233.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото [friend]
```

7.233.4.4 swap

```
void swap (
    EnrollReply & a,
    EnrollReply & b ) [friend]
```

7.233.5 Member Data Documentation

7.233.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnrollReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnrollReply::MergeImpl
}
```

7.233.5.2 kIndexInFileMessages

```
constexpr int briar::EnrollReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

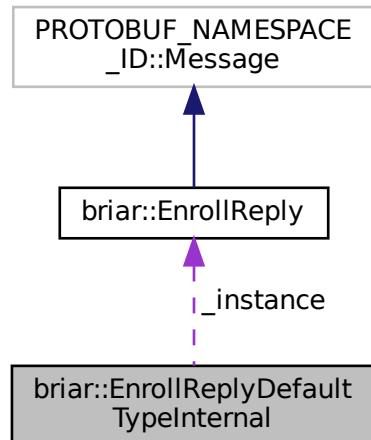
```
= 36
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.234 briar::EnrollReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnrollReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR `EnrollReplyDefaultTypeInternal ()`
- `~EnrollReplyDefaultTypeInternal ()`

Public Attributes

- union {
 `EnrollReply _instance`
};

7.234.1 Constructor & Destructor Documentation

7.234.1.1 EnrollReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnrollReplyDefaultTypeInternal::EnrollReplyDefaultTypeInternal ( )  
[inline]
```

7.234.1.2 ~EnrollReplyDefaultTypeInternal()

```
briar::EnrollReplyDefaultTypeInternal::~EnrollReplyDefaultTypeInternal ( ) [inline]
```

7.234.2 Member Data Documentation

7.234.2.1

```
union { ... }
```

7.234.2.2 _instance

```
EnrollReply briar::EnrollReplyDefaultTypeInternal::_instance
```

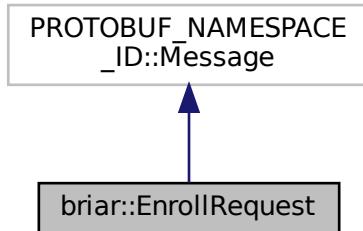
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

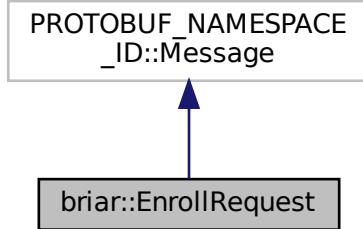
7.235 briar::EnrollRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::EnrollRequest:



Collaboration diagram for briar::EnrollRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kSubjectIdsFieldNumber](#) = 5 , [kTracksFieldNumber](#) = 8 , [kDetectionsFieldNumber](#) = 10 , [kMediaIdFieldNumber](#) = 4 ,
 [kMediaFieldNumber](#) = 1 , [kDatabaseFieldNumber](#) = 3 , [kTemplateFieldNumber](#) = 11 , [kRecordFieldNumber](#) = 12 ,
 [kDurationsFieldNumber](#) = 13 , [kDetectOptionsFieldNumber](#) = 14 , [kExtractOptionsFieldNumber](#) = 15 ,
 [kEnrollOptionsFieldNumber](#) = 16 ,
 [kFrameFieldNumber](#) = 2 , [kEnrollFlagFieldNumber](#) = 9 , [kSubjectIdIntegerFieldNumber](#) = 17 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * [add_detections](#) ()
- std::string * [add_subject_ids](#) ()
- void [add_subject_ids](#) (const char *value)
- void [add_subject_ids](#) (const char *value, size_t size)
- void [add_subject_ids](#) (const std::string &value)
- void [add_subject_ids](#) (std::string &&value)
- ::briar::Tracklet * [add_tracks](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_detect_options](#) ()
- void [clear_detections](#) ()
- void [clear_durations](#) ()
- void [clear_enroll_flag](#) ()
- void [clear_enroll_options](#) ()
- void [clear_extract_options](#) ()
- void [clear_frame](#) ()
- void [clear_media](#) ()
- void [clear_media_id](#) ()
- void [clear_record](#) ()
- void [clear_subject_id_integer](#) ()
- void [clear_subject_ids](#) ()
- void [clear_template_](#) ()
- void [clear_tracks](#) ()
- void [CopyFrom](#) (const EnrollRequest &from)
- const ::briar::BriarDatabase & [database](#) () const
- const ::briar::DetectionOptions & [detect_options](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [detections](#) () const
- const ::briar::Detection & [detections](#) (int index) const
- int [detections_size](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- ::briar::EnrollFlags [enroll_flag](#) () const
- const ::briar::EnrollOptions & [enroll_options](#) () const
- [EnrollRequest](#) ()
- PROTOBUF_CONSTEXPR [EnrollRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [EnrollRequest](#) (const [EnrollRequest](#) &from)
- [EnrollRequest](#) ([EnrollRequest](#) &&from) noexcept
- const ::briar::ExtractOptions & [extract_options](#) () const
- int32_t [frame](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_detect_options](#) () const
- bool [has_durations](#) () const
- bool [has_enroll_options](#) () const
- bool [has_extract_options](#) () const
- bool [has_media](#) () const
- bool [has_record](#) () const

- bool `has_template_()` const
- bool `IsInitialized()` const final
- const `::briar::BriarMedia & media()` const
- const std::string & `media_id()` const
- void `MergeFrom(const EnrollRequest &from)`
- `::briar::BriarDatabase * mutable_database()`
- `::briar::DetectionOptions * mutable_detect_options()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * mutable_detections()`
- `::briar::Detection * mutable_detections(int index)`
- `::briar::BriarDurations * mutable_durations()`
- `::briar::EnrollOptions * mutable_enroll_options()`
- `::briar::ExtractOptions * mutable_extract_options()`
- `::briar::BriarMedia * mutable_media()`
- std::string * `mutable_media_id()`
- `::briar::Record * mutable_record()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * mutable_subject_ids()`
- std::string * `mutable_subject_ids(int index)`
- `::briar::Template * mutable_template_()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Tracklet > * mutable_tracks()`
- `::briar::Tracklet * mutable_tracks(int index)`
- `EnrollRequest * New(::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr)` const final
- `EnrollRequest & operator=(const EnrollRequest &from)`
- `EnrollRequest & operator=(EnrollRequest &&from)` noexcept
- const `::briar::Record & record()` const
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_database()`
- `PROTOBUF_NODISCARD ::briar::DetectionOptions * release_detect_options()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations()`
- `PROTOBUF_NODISCARD ::briar::EnrollOptions * release_enroll_options()`
- `PROTOBUF_NODISCARD ::briar::ExtractOptions * release_extract_options()`
- `PROTOBUF_NODISCARD ::briar::BriarMedia * release_media()`
- `PROTOBUF_NODISCARD std::string * release_media_id()`
- `PROTOBUF_NODISCARD ::briar::Record * release_record()`
- `PROTOBUF_NODISCARD ::briar::Template * release_template_()`
- void `set_allocated_database(::briar::BriarDatabase *database)`
- void `set_allocated_detect_options(::briar::DetectionOptions *detect_options)`
- void `set_allocated_durations(::briar::BriarDurations *durations)`
- void `set_allocated_enroll_options(::briar::EnrollOptions *enroll_options)`
- void `set_allocated_extract_options(::briar::ExtractOptions *extract_options)`
- void `set_allocated_media(::briar::BriarMedia *media)`
- void `set_allocated_media_id(std::string *media_id)`
- void `set_allocated_record(::briar::Record *record)`
- void `set_allocated_template_(::briar::Template *template_)`
- void `set_enroll_flag(::briar::EnrollFlags value)`
- void `set_frame(int32_t value)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_media_id(ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0, typename... ArgT>
`PROTOBUF_ALWAYS_INLINE void set_media_id(ArgT0 &&arg0, ArgT... args)`
- void `set_subject_id_integer(int32_t value)`
- void `set_subject_ids(int index, const char *value)`
- void `set_subject_ids(int index, const char *value, size_t size)`
- void `set_subject_ids(int index, const std::string &value)`
- void `set_subject_ids(int index, std::string &&value)`
- int32_t `subject_id_integer()` const
- const `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & subject_ids()` const

- const std::string & `subject_ids` (int index) const
- int `subject_ids_size` () const
- void `Swap` (EnrollRequest *other)
- const ::briar::Template & `template_` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Tracklet > & `tracks` () const
- const ::briar::Tracklet & `tracks` (int index) const
- int `tracks_size` () const
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::EnrollOptions * `unsafe_arena_release_enroll_options` ()
- ::briar::ExtractOptions * `unsafe_arena_release_extract_options` ()
- ::briar::BriarMedia * `unsafe_arena_release_media` ()
- ::briar::Record * `unsafe_arena_release_record` ()
- ::briar::Template * `unsafe_arena_release_template_` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *`database`)
- void `unsafe_arena_set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_enroll_options` (::briar::EnrollOptions *`enroll_options`)
- void `unsafe_arena_set_allocated_extract_options` (::briar::ExtractOptions *`extract_options`)
- void `unsafe_arena_set_allocated_media` (::briar::BriarMedia *`media`)
- void `unsafe_arena_set_allocated_record` (::briar::Record *`record`)
- void `unsafe_arena_set_allocated_template_` (::briar::Template *`template_`)
- void `UnsafeArenaSwap` (EnrollRequest *other)
- `~EnrollRequest` () override

Static Public Member Functions

- static const EnrollRequest & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const EnrollRequest * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `EnrollRequest` (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned=false`)

Friends

- template<typename T>
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
- void `swap` (EnrollRequest &a, EnrollRequest &b)

7.235.1 Member Enumeration Documentation

7.235.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubjectIdsFieldNumber
kTracksFieldNumber
kDetectionsFieldNumber
kMediaIdFieldNumber
kMediaFieldNumber
kDatabaseFieldNumber
kTemplateFieldNumber
kRecordFieldNumber
kDurationsFieldNumber
kDetectOptionsFieldNumber
kExtractOptionsFieldNumber
kEnrollOptionsFieldNumber
kFrameFieldNumber
kEnrollFlagFieldNumber
kSubjectIdIntegerFieldNumber

7.235.2 Constructor & Destructor Documentation

7.235.2.1 EnrollRequest() [1/5]

```
briar::EnrollRequest::EnrollRequest ( ) [inline]
```

7.235.2.2 ~EnrollRequest()

```
briar::EnrollRequest::~EnrollRequest ( ) [override]
```

7.235.2.3 EnrollRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::EnrollRequest::EnrollRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.235.2.4 EnrollRequest() [3/5]

```
briar::EnrollRequest::EnrollRequest (
    const EnrollRequest & from )
```

7.235.2.5 EnrollRequest() [4/5]

```
briar::EnrollRequest::EnrollRequest (
    EnrollRequest && from ) [inline], [noexcept]
```

7.235.2.6 EnrollRequest() [5/5]

```
briar::EnrollRequest::EnrollRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.235.3 Member Function Documentation

7.235.3.1 _InternalParse()

```
const char * briar::EnrollRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.235.3.2 _InternalSerialize()

```
uint8_t * briar::EnrollRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.235.3.3 add_detections()

```
briar::Detection * briar::EnrollRequest::add_detections () [inline]
```

7.235.3.4 add_subject_ids() [1/5]

```
std::string * briar::EnrollRequest::add_subject_ids ( ) [inline]
```

7.235.3.5 add_subject_ids() [2/5]

```
void briar::EnrollRequest::add_subject_ids (
    const char * value ) [inline]
```

7.235.3.6 add_subject_ids() [3/5]

```
void briar::EnrollRequest::add_subject_ids (
    const char * value,
    size_t size ) [inline]
```

7.235.3.7 add_subject_ids() [4/5]

```
void briar::EnrollRequest::add_subject_ids (
    const std::string & value ) [inline]
```

7.235.3.8 add_subject_ids() [5/5]

```
void briar::EnrollRequest::add_subject_ids (
    std::string && value ) [inline]
```

7.235.3.9 add_tracks()

```
briar::Tracklet * briar::EnrollRequest::add_tracks ( ) [inline]
```

7.235.3.10 ByteSizeLong()

```
size_t briar::EnrollRequest::ByteSizeLong ( ) const [final]
```

7.235.3.11 Clear()

```
void briar::EnrollRequest::Clear ( ) [final]
```

7.235.3.12 clear_database()

```
void briar::EnrollRequest::clear_database ( )
```

7.235.3.13 clear_detect_options()

```
void briar::EnrollRequest::clear_detect_options ( )
```

7.235.3.14 clear_detections()

```
void briar::EnrollRequest::clear_detections ( )
```

7.235.3.15 clear_durations()

```
void briar::EnrollRequest::clear_durations ( )
```

7.235.3.16 clear_enroll_flag()

```
void briar::EnrollRequest::clear_enroll_flag ( ) [inline]
```

7.235.3.17 clear_enroll_options()

```
void briar::EnrollRequest::clear_enroll_options ( )
```

7.235.3.18 clear_extract_options()

```
void briar::EnrollRequest::clear_extract_options ( )
```

7.235.3.19 clear_frame()

```
void briar::EnrollRequest::clear_frame ( ) [inline]
```

7.235.3.20 clear_media()

```
void briar::EnrollRequest::clear_media ( )
```

7.235.3.21 clear_media_id()

```
void briar::EnrollRequest::clear_media_id ( ) [inline]
```

7.235.3.22 clear_record()

```
void briar::EnrollRequest::clear_record ( )
```

7.235.3.23 clear_subject_id_integer()

```
void briar::EnrollRequest::clear_subject_id_integer ( ) [inline]
```

7.235.3.24 clear_subject_ids()

```
void briar::EnrollRequest::clear_subject_ids ( ) [inline]
```

7.235.3.25 clear_template_()

```
void briar::EnrollRequest::clear_template_ ( )
```

7.235.3.26 clear_tracks()

```
void briar::EnrollRequest::clear_tracks ( )
```

7.235.3.27 CopyFrom()

```
void briar::EnrollRequest::CopyFrom (
    const EnrollRequest & from )
```

7.235.3.28 database()

```
const ::briar::BriarDatabase & briar::EnrollRequest::database ( ) const [inline]
```

7.235.3.29 default_instance()

```
static const EnrollRequest& briar::EnrollRequest::default_instance ( ) [inline], [static]
```

7.235.3.30 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollRequest::descriptor ( ) [inline], [static]
```

7.235.3.31 detect_options()

```
const ::briar::DetectionOptions & briar::EnrollRequest::detect_options ( ) const [inline]
```

7.235.3.32 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::EnrollRequest::detections ( ) const [inline]
```

7.235.3.33 detections() [2/2]

```
const ::briar::Detection & briar::EnrollRequest::detections (
    int index ) const [inline]
```

7.235.3.34 detections_size()

```
int briar::EnrollRequest::detections_size ( ) const [inline]
```

7.235.3.35 durations()

```
const ::briar::BriarDurations & briar::EnrollRequest::durations ( ) const [inline]
```

7.235.3.36 enroll_flag()

```
briar::EnrollFlags briar::EnrollRequest::enroll_flag ( ) const [inline]
```

7.235.3.37 enroll_options()

```
const ::briar::EnrollOptions & briar::EnrollRequest::enroll_options ( ) const [inline]
```

7.235.3.38 extract_options()

```
const ::briar::ExtractOptions & briar::EnrollRequest::extract_options ( ) const [inline]
```

7.235.3.39 frame()

```
int32_t briar::EnrollRequest::frame ( ) const [inline]
```

7.235.3.40 GetCachedSize()

```
int briar::EnrollRequest::GetCachedSize ( ) const [inline], [final]
```

7.235.3.41 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::EnrollRequest::GetClassData ( )
const [final]
```

7.235.3.42 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::EnrollRequest::GetDescriptor ( )  
[inline], [static]
```

7.235.3.43 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::EnrollRequest::GetMetadata ( ) const [final]
```

7.235.3.44 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::EnrollRequest::GetReflection ( )  
[inline], [static]
```

7.235.3.45 has_database()

```
bool briar::EnrollRequest::has_database ( ) const [inline]
```

7.235.3.46 has_detect_options()

```
bool briar::EnrollRequest::has_detect_options ( ) const [inline]
```

7.235.3.47 has_durations()

```
bool briar::EnrollRequest::has_durations ( ) const [inline]
```

7.235.3.48 has_enroll_options()

```
bool briar::EnrollRequest::has_enroll_options ( ) const [inline]
```

7.235.3.49 has_extract_options()

```
bool briar::EnrollRequest::has_extract_options ( ) const [inline]
```

7.235.3.50 has_media()

```
bool briar::EnrollRequest::has_media ( ) const [inline]
```

7.235.3.51 has_record()

```
bool briar::EnrollRequest::has_record ( ) const [inline]
```

7.235.3.52 has_template_()

```
bool briar::EnrollRequest::has_template_ ( ) const [inline]
```

7.235.3.53 internal_default_instance()

```
static const EnrollRequest* briar::EnrollRequest::internal_default_instance ( ) [inline],  
[static]
```

7.235.3.54 IsInitialized()

```
bool briar::EnrollRequest::IsInitialized ( ) const [final]
```

7.235.3.55 media()

```
const ::briar::BriarMedia & briar::EnrollRequest::media ( ) const [inline]
```

7.235.3.56 media_id()

```
const std::string & briar::EnrollRequest::media_id ( ) const [inline]
```

7.235.3.57 MergeFrom()

```
void briar::EnrollRequest::MergeFrom (
    const EnrollRequest & from )
```

7.235.3.58 mutable_database()

```
briar::BriarDatabase * briar::EnrollRequest::mutable_database ( ) [inline]
```

7.235.3.59 mutable_detect_options()

```
briar::DetectionOptions * briar::EnrollRequest::mutable_detect_options ( ) [inline]
```

7.235.3.60 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::EnrollRequest::mutable_detections ( ) [inline]
```

7.235.3.61 mutable_detections() [2/2]

```
briar::Detection * briar::EnrollRequest::mutable_detections (
    int index ) [inline]
```

7.235.3.62 mutable_durations()

```
briar::BriarDurations * briar::EnrollRequest::mutable_durations ( ) [inline]
```

7.235.3.63 mutable_enroll_options()

```
briar::EnrollOptions * briar::EnrollRequest::mutable_enroll_options ( ) [inline]
```

7.235.3.64 mutable_extract_options()

```
briar::ExtractOptions * briar::EnrollRequest::mutable_extract_options ( ) [inline]
```

7.235.3.65 mutable_media()

```
briar::BriarMedia * briar::EnrollRequest::mutable_media ( ) [inline]
```

7.235.3.66 mutable_media_id()

```
std::string * briar::EnrollRequest::mutable_media_id ( ) [inline]
```

7.235.3.67 mutable_record()

```
briar::Record * briar::EnrollRequest::mutable_record ( ) [inline]
```

7.235.3.68 mutable_subject_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::EnrollRequest::mutable_<-->
subject_ids ( ) [inline]
```

7.235.3.69 mutable_subject_ids() [2/2]

```
std::string * briar::EnrollRequest::mutable_subject_ids (
    int index ) [inline]
```

7.235.3.70 mutable_template_()

```
briar::Template * briar::EnrollRequest::mutable_template_() [inline]
```

7.235.3.71 mutable_tracks() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Tracklet> * briar::EnrollRequest::mutable_tracks() [inline]
```

7.235.3.72 mutable_tracks() [2/2]

```
briar::Tracklet * briar::EnrollRequest::mutable_tracks( int index ) [inline]
```

7.235.3.73 New()

```
EnrollRequest* briar::EnrollRequest::New( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.235.3.74 operator=() [1/2]

```
EnrollRequest& briar::EnrollRequest::operator=( const EnrollRequest & from ) [inline]
```

7.235.3.75 operator=() [2/2]

```
EnrollRequest& briar::EnrollRequest::operator=( EnrollRequest && from ) [inline], [noexcept]
```

7.235.3.76 record()

```
const ::briar::Record & briar::EnrollRequest::record() const [inline]
```

7.235.3.77 release_database()

```
briar::BriarDatabase * briar::EnrollRequest::release_database ( ) [inline]
```

7.235.3.78 release_detect_options()

```
briar::DetectionOptions * briar::EnrollRequest::release_detect_options ( ) [inline]
```

7.235.3.79 release_durations()

```
briar::BriarDurations * briar::EnrollRequest::release_durations ( ) [inline]
```

7.235.3.80 release_enroll_options()

```
briar::EnrollOptions * briar::EnrollRequest::release_enroll_options ( ) [inline]
```

7.235.3.81 release_extract_options()

```
briar::ExtractOptions * briar::EnrollRequest::release_extract_options ( ) [inline]
```

7.235.3.82 release_media()

```
briar::BriarMedia * briar::EnrollRequest::release_media ( ) [inline]
```

7.235.3.83 release_media_id()

```
std::string * briar::EnrollRequest::release_media_id ( ) [inline]
```

7.235.3.84 release_record()

```
briar::Record * briar::EnrollRequest::release_record ( ) [inline]
```

7.235.3.85 release_template_()

```
briar::Template * briar::EnrollRequest::release_template_ ( ) [inline]
```

7.235.3.86 set_allocated_database()

```
void briar::EnrollRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.235.3.87 set_allocated_detect_options()

```
void briar::EnrollRequest::set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.235.3.88 set_allocated_durations()

```
void briar::EnrollRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.235.3.89 set_allocated_enroll_options()

```
void briar::EnrollRequest::set_allocated_enroll_options (
    ::briar::EnrollOptions * enroll_options ) [inline]
```

7.235.3.90 set_allocated_extract_options()

```
void briar::EnrollRequest::set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.235.3.91 set_allocated_media()

```
void briar::EnrollRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.235.3.92 set_allocated_media_id()

```
void briar::EnrollRequest::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.235.3.93 set_allocated_record()

```
void briar::EnrollRequest::set_allocated_record (
    ::briar::Record * record ) [inline]
```

7.235.3.94 set_allocated_template_()

```
void briar::EnrollRequest::set_allocated_template_ (
    ::briar::Template * template_ ) [inline]
```

7.235.3.95 set_enroll_flag()

```
void briar::EnrollRequest::set_enroll_flag (
    ::briar::EnrollFlags value ) [inline]
```

7.235.3.96 set_frame()

```
void briar::EnrollRequest::set_frame (
    int32_t value ) [inline]
```

7.235.3.97 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::EnrollRequest::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.235.3.98 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::EnrollRequest::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.235.3.99 set_subject_id_integer()

```
void briar::EnrollRequest::set_subject_id_integer (
    int32_t value ) [inline]
```

7.235.3.100 set_subject_ids() [1/4]

```
void briar::EnrollRequest::set_subject_ids (
    int index,
    const char * value ) [inline]
```

7.235.3.101 set_subject_ids() [2/4]

```
void briar::EnrollRequest::set_subject_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.235.3.102 set_subject_ids() [3/4]

```
void briar::EnrollRequest::set_subject_ids (
    int index,
    const std::string & value ) [inline]
```

7.235.3.103 set_subject_ids() [4/4]

```
void briar::EnrollRequest::set_subject_ids (
    int index,
    std::string && value ) [inline]
```

7.235.3.104 subject_id_integer()

```
int32_t briar::EnrollRequest::subject_id_integer ( ) const [inline]
```

7.235.3.105 subject_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::EnrollRequest::subject_ids ( ) const [inline]
```

7.235.3.106 subject_ids() [2/2]

```
const std::string & briar::EnrollRequest::subject_ids ( int index ) const [inline]
```

7.235.3.107 subject_ids_size()

```
int briar::EnrollRequest::subject_ids_size ( ) const [inline]
```

7.235.3.108 Swap()

```
void briar::EnrollRequest::Swap ( EnrollRequest * other ) [inline]
```

7.235.3.109 template_()

```
const ::briar::Template & briar::EnrollRequest::template_ ( ) const [inline]
```

7.235.3.110 tracks() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Tracklet> & briar::EnrollRequest::tracks ( ) const [inline]
```

7.235.3.111 tracks() [2/2]

```
const ::briar::Tracklet & briar::EnrollRequest::tracks (
    int index ) const [inline]
```

7.235.3.112 tracks_size()

```
int briar::EnrollRequest::tracks_size ( ) const [inline]
```

7.235.3.113 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::EnrollRequest::unsafe_arena_release_database ( ) [inline]
```

7.235.3.114 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::EnrollRequest::unsafe_arena_release_detect_options ( ) [inline]
```

7.235.3.115 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::EnrollRequest::unsafe_arena_release_durations ( ) [inline]
```

7.235.3.116 unsafe_arena_release_enroll_options()

```
briar::EnrollOptions * briar::EnrollRequest::unsafe_arena_release_enroll_options ( ) [inline]
```

7.235.3.117 unsafe_arena_release_extract_options()

```
briar::ExtractOptions * briar::EnrollRequest::unsafe_arena_release_extract_options ( ) [inline]
```

7.235.3.118 unsafe_arena_release_media()

```
briar::BriarMedia * briar::EnrollRequest::unsafe_arena_release_media ( ) [inline]
```

7.235.3.119 unsafe_arena_release_record()

```
briar::Record * briar::EnrollRequest::unsafe_arena_release_record ( ) [inline]
```

7.235.3.120 unsafe_arena_release_template_()

```
briar::Template * briar::EnrollRequest::unsafe_arena_release_template_ ( ) [inline]
```

7.235.3.121 unsafe_arena_set_allocated_database()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.235.3.122 unsafe_arena_set_allocated_detect_options()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.235.3.123 unsafe_arena_set_allocated_durations()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.235.3.124 unsafe_arena_set_allocated_enroll_options()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_enroll_options (
    ::briar::EnrollOptions * enroll_options ) [inline]
```

7.235.3.125 unsafe_arena_set_allocated_extract_options()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.235.3.126 unsafe_arena_set_allocated_media()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.235.3.127 unsafe_arena_set_allocated_record()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_record (
    ::briar::Record * record ) [inline]
```

7.235.3.128 unsafe_arena_set_allocated_template_()

```
void briar::EnrollRequest::unsafe_arena_set_allocated_template_ (
    ::briar::Template * template_ ) [inline]
```

7.235.3.129 UnsafeArenaSwap()

```
void briar::EnrollRequest::UnsafeArenaSwap (
    EnrollRequest * other ) [inline]
```

7.235.4 Friends And Related Function Documentation**7.235.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.235.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.235.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot [friend]
```

7.235.4.4 swap

```
void swap (
    EnrollRequest & a,
    EnrollRequest & b ) [friend]
```

7.235.5 Member Data Documentation

7.235.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::EnrollRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    EnrollRequest::MergeImpl
}
```

7.235.5.2 kIndexInFileMessages

```
constexpr int briar::EnrollRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

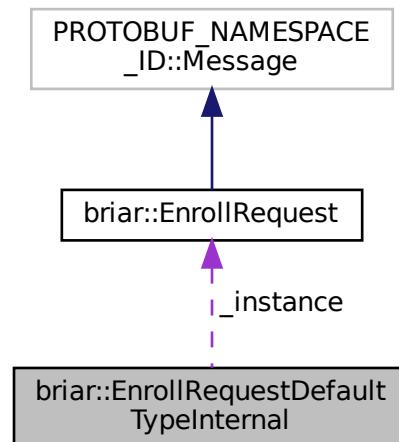
```
= 35
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.236 briar::EnrollRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::EnrollRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR EnrollRequestDefaultTypeInternal ()
- ~EnrollRequestDefaultTypeInternal ()

Public Attributes

- union {
 EnrollRequest _instance
};

7.236.1 Constructor & Destructor Documentation

7.236.1.1 EnrollRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::EnrollRequestDefaultTypeInternal::EnrollRequestDefaultTypeInternal ( ) [inline]
```

7.236.1.2 ~EnrollRequestDefaultTypeInternal()

```
briar::EnrollRequestDefaultTypeInternal::~EnrollRequestDefaultTypeInternal ( ) [inline]
```

7.236.2 Member Data Documentation

7.236.2.1

```
union { ... }
```

7.236.2.2 _instance

```
EnrollRequest briar::EnrollRequestDefaultTypeInternal::_instance
```

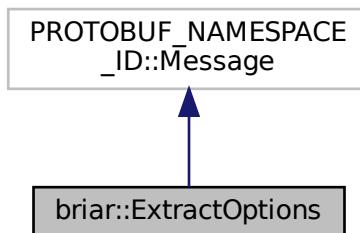
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

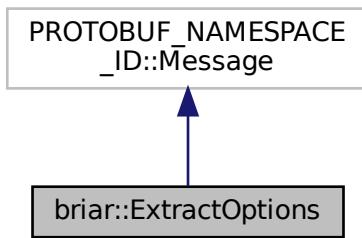
7.237 briar::ExtractOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::ExtractOptions:



Collaboration diagram for briar::ExtractOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kAttributesFieldNumber](#) = 8 , [kAlgorithmIdFieldNumber](#) = 1 , [kDebugFieldNumber](#) = 2 , [kExtractBatchFieldNumber](#) = 4 ,
 [kReturnMediaFieldNumber](#) = 6 , [kFlagFieldNumber](#) = 3 , [kModalityFieldNumber](#) = 5 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::briar::StringOption & [algorithm_id](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_algorithm_id](#) ()
- void [clear_attributes](#) ()
- void [clear_debug](#) ()
- void [clear_extract_batch](#) ()
- void [clear_flag](#) ()
- void [clear_modality](#) ()
- void [clear_return_media](#) ()
- void [CopyFrom](#) (const [ExtractOptions](#) &from)
- const ::briar::BoolOption & [debug](#) () const
- const ::briar::IntOption & [extract_batch](#) () const
- [ExtractOptions](#) ()

- PROTOBUF_CONSTEXPR ExtractOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- ExtractOptions (const ExtractOptions &from)
- ExtractOptions (ExtractOptions &&from) noexcept
- ::briar::ExtractFlags flag () const
- int GetCachedSize () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * GetClassData () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final
- bool has_algorithm_id () const
- bool has_debug () const
- bool has_extract_batch () const
- bool has_return_media () const
- bool IsInitialized () const final
- void MergeFrom (const ExtractOptions &from)
- ::briar::BiometricModality modality () const
- ::briar::StringOption * mutable_algorithm_id ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * mutable_attributes ()
- ::briar::Attribute * mutable_attributes (int index)
- ::briar::BoolOption * mutable_debug ()
- ::briar::IntOption * mutable_extract_batch ()
- ::briar::BoolOption * mutable_return_media ()
- ExtractOptions * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- ExtractOptions & operator= (const ExtractOptions &from)
- ExtractOptions & operator= (ExtractOptions &&from) noexcept
- PROTOBUF_NODISCARD ::briar::StringOption * release_algorithm_id ()
- PROTOBUF_NODISCARD ::briar::BoolOption * release_debug ()
- PROTOBUF_NODISCARD ::briar::IntOption * release_extract_batch ()
- PROTOBUF_NODISCARD ::briar::BoolOption * release_return_media ()
- const ::briar::BoolOption & return_media () const
- void set_allocated_algorithm_id (::briar::StringOption *algorithm_id)
- void set_allocated_debug (::briar::BoolOption *debug)
- void set_allocated_extract_batch (::briar::IntOption *extract_batch)
- void set_allocated_return_media (::briar::BoolOption *return_media)
- void set_flag (::briar::ExtractFlags value)
- void set_modality (::briar::BiometricModality value)
- void Swap (ExtractOptions *other)
- ::briar::StringOption * unsafe_arena_release_algorithm_id ()
- ::briar::BoolOption * unsafe_arena_release_debug ()
- ::briar::IntOption * unsafe_arena_release_extract_batch ()
- ::briar::BoolOption * unsafe_arena_release_return_media ()
- void unsafe_arena_set_allocated_algorithm_id (::briar::StringOption *algorithm_id)
- void unsafe_arena_set_allocated_debug (::briar::BoolOption *debug)
- void unsafe_arena_set_allocated_extract_batch (::briar::IntOption *extract_batch)
- void unsafe_arena_set_allocated_return_media (::briar::BoolOption *return_media)
- void UnsafeArenaSwap (ExtractOptions *other)
- ~ExtractOptions () override

Static Public Member Functions

- static const ExtractOptions & default_instance ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()
- static const ExtractOptions * internal_default_instance ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [ExtractOptions](#) (:PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto
- void [swap](#) ([ExtractOptions](#) &a, [ExtractOptions](#) &b)

7.237.1 Member Enumeration Documentation

7.237.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kAttributesFieldNumber	
kAlgorithmIdFieldNumber	
kDebugFieldNumber	
kExtractBatchFieldNumber	
kReturnMediaFieldNumber	
kFlagFieldNumber	
kModalityFieldNumber	

7.237.2 Constructor & Destructor Documentation

7.237.2.1 ExtractOptions() [1/5]

```
briar::ExtractOptions::ExtractOptions ( ) [inline]
```

7.237.2.2 ~ExtractOptions()

```
briar::ExtractOptions::~ExtractOptions ( ) [override]
```

7.237.2.3 ExtractOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::ExtractOptions::ExtractOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.237.2.4 ExtractOptions() [3/5]

```
briar::ExtractOptions::ExtractOptions (
    const ExtractOptions & from )
```

7.237.2.5 ExtractOptions() [4/5]

```
briar::ExtractOptions::ExtractOptions (
    ExtractOptions && from ) [inline], [noexcept]
```

7.237.2.6 ExtractOptions() [5/5]

```
briar::ExtractOptions::ExtractOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.237.3 Member Function Documentation

7.237.3.1 _InternalParse()

```
const char * briar::ExtractOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.237.3.2 `_InternalSerialize()`

```
uint8_t * briar::ExtractOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.237.3.3 `add_attributes()`

```
briar::Attribute * briar::ExtractOptions::add_attributes () const [inline]
```

7.237.3.4 `algorithm_id()`

```
const ::briar::StringOption & briar::ExtractOptions::algorithm_id () const [inline]
```

7.237.3.5 `attributes() [1/2]`

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::ExtractOptions::attributes () const [inline]
```

7.237.3.6 `attributes() [2/2]`

```
const ::briar::Attribute & briar::ExtractOptions::attributes (
    int index ) const [inline]
```

7.237.3.7 `attributes_size()`

```
int briar::ExtractOptions::attributes_size () const [inline]
```

7.237.3.8 `ByteSizeLong()`

```
size_t briar::ExtractOptions::ByteSizeLong () const [final]
```

7.237.3.9 `Clear()`

```
void briar::ExtractOptions::Clear ( ) [final]
```

7.237.3.10 `clear_algorithm_id()`

```
void briar::ExtractOptions::clear_algorithm_id ( ) [inline]
```

7.237.3.11 `clear_attributes()`

```
void briar::ExtractOptions::clear_attributes ( ) [inline]
```

7.237.3.12 `clear_debug()`

```
void briar::ExtractOptions::clear_debug ( ) [inline]
```

7.237.3.13 `clear_extract_batch()`

```
void briar::ExtractOptions::clear_extract_batch ( ) [inline]
```

7.237.3.14 `clear_flag()`

```
void briar::ExtractOptions::clear_flag ( ) [inline]
```

7.237.3.15 `clear_modality()`

```
void briar::ExtractOptions::clear_modality ( ) [inline]
```

7.237.3.16 `clear_return_media()`

```
void briar::ExtractOptions::clear_return_media ( ) [inline]
```

7.237.3.17 CopyFrom()

```
void briar::ExtractOptions::CopyFrom (
    const ExtractOptions & from )
```

7.237.3.18 debug()

```
const ::briar::BoolOption & briar::ExtractOptions::debug ( ) const [inline]
```

7.237.3.19 default_instance()

```
static const ExtractOptions& briar::ExtractOptions::default_instance ( ) [inline], [static]
```

7.237.3.20 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractOptions::descriptor ( ) [inline], [static]
```

7.237.3.21 extract_batch()

```
const ::briar::IntOption & briar::ExtractOptions::extract_batch ( ) const [inline]
```

7.237.3.22 flag()

```
briar::ExtractFlags briar::ExtractOptions::flag ( ) const [inline]
```

7.237.3.23 GetCachedSize()

```
int briar::ExtractOptions::GetCachedSize ( ) const [inline], [final]
```

7.237.3.24 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ExtractOptions::GetClassData ( )
const [final]
```

7.237.3.25 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractOptions::GetDescriptor ( )
[inline], [static]
```

7.237.3.26 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ExtractOptions::GetMetadata ( ) const [final]
```

7.237.3.27 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ExtractOptions::GetReflection ( )
[inline], [static]
```

7.237.3.28 has_algorithm_id()

```
bool briar::ExtractOptions::has_algorithm_id ( ) const [inline]
```

7.237.3.29 has_debug()

```
bool briar::ExtractOptions::has_debug ( ) const [inline]
```

7.237.3.30 has_extract_batch()

```
bool briar::ExtractOptions::has_extract_batch ( ) const [inline]
```

7.237.3.31 has_return_media()

```
bool briar::ExtractOptions::has_return_media () const [inline]
```

7.237.3.32 internal_default_instance()

```
static const ExtractOptions* briar::ExtractOptions::internal_default_instance () [inline],  
[static]
```

7.237.3.33 IsInitialized()

```
bool briar::ExtractOptions::IsInitialized () const [final]
```

7.237.3.34 MergeFrom()

```
void briar::ExtractOptions::MergeFrom (  
    const ExtractOptions & from )
```

7.237.3.35 modality()

```
briar::BiometricModality briar::ExtractOptions::modality () const [inline]
```

7.237.3.36 mutable_algorithm_id()

```
briar::StringOption * briar::ExtractOptions::mutable_algorithm_id () [inline]
```

7.237.3.37 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::ExtractOptions::mutable_attributes () [inline]
```

7.237.3.38 mutable_attributes() [2/2]

```
briar::Attribute * briar::ExtractOptions::mutable_attributes (
    int index )  [inline]
```

7.237.3.39 mutable_debug()

```
briar::BoolOption * briar::ExtractOptions::mutable_debug ( )  [inline]
```

7.237.3.40 mutable_extract_batch()

```
briar::IntOption * briar::ExtractOptions::mutable_extract_batch ( )  [inline]
```

7.237.3.41 mutable_return_media()

```
briar::BoolOption * briar::ExtractOptions::mutable_return_media ( )  [inline]
```

7.237.3.42 New()

```
ExtractOptions* briar::ExtractOptions::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const  [inline], [final]
```

7.237.3.43 operator=() [1/2]

```
ExtractOptions& briar::ExtractOptions::operator= (
    const ExtractOptions & from )  [inline]
```

7.237.3.44 operator=() [2/2]

```
ExtractOptions& briar::ExtractOptions::operator= (
    ExtractOptions && from )  [inline], [noexcept]
```

7.237.3.45 release_algorithm_id()

```
briar::StringOption * briar::ExtractOptions::release_algorithm_id ( ) [inline]
```

7.237.3.46 release_debug()

```
briar::BoolOption * briar::ExtractOptions::release_debug ( ) [inline]
```

7.237.3.47 release_extract_batch()

```
briar::IntOption * briar::ExtractOptions::release_extract_batch ( ) [inline]
```

7.237.3.48 release_return_media()

```
briar::BoolOption * briar::ExtractOptions::release_return_media ( ) [inline]
```

7.237.3.49 return_media()

```
const ::briar::BoolOption & briar::ExtractOptions::return_media ( ) const [inline]
```

7.237.3.50 set_allocated_algorithm_id()

```
void briar::ExtractOptions::set_allocated_algorithm_id ( ::briar::StringOption * algorithm_id ) [inline]
```

7.237.3.51 set_allocated_debug()

```
void briar::ExtractOptions::set_allocated_debug ( ::briar::BoolOption * debug ) [inline]
```

7.237.3.52 set_allocated_extract_batch()

```
void briar::ExtractOptions::set_allocated_extract_batch (
    ::briar::IntOption * extract_batch ) [inline]
```

7.237.3.53 set_allocated_return_media()

```
void briar::ExtractOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.237.3.54 set_flag()

```
void briar::ExtractOptions::set_flag (
    ::briar::ExtractFlags value ) [inline]
```

7.237.3.55 set_modality()

```
void briar::ExtractOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.237.3.56 Swap()

```
void briar::ExtractOptions::Swap (
    ExtractOptions * other ) [inline]
```

7.237.3.57 unsafe_arena_release_algorithm_id()

```
briar::StringOption * briar::ExtractOptions::unsafe_arena_release_algorithm_id ( ) [inline]
```

7.237.3.58 unsafe_arena_release_debug()

```
briar::BoolOption * briar::ExtractOptions::unsafe_arena_release_debug ( ) [inline]
```

7.237.3.59 unsafe_arena_release_extract_batch()

```
briar::IntOption * briar::ExtractOptions::unsafe_arena_release_extract_batch ( ) [inline]
```

7.237.3.60 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::ExtractOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.237.3.61 unsafe_arena_set_allocated_algorithm_id()

```
void briar::ExtractOptions::unsafe_arena_set_allocated_algorithm_id (  
    ::briar::StringOption * algorithm_id ) [inline]
```

7.237.3.62 unsafe_arena_set_allocated_debug()

```
void briar::ExtractOptions::unsafe_arena_set_allocated_debug (   
    ::briar::BoolOption * debug ) [inline]
```

7.237.3.63 unsafe_arena_set_allocated_extract_batch()

```
void briar::ExtractOptions::unsafe_arena_set_allocated_extract_batch (   
    ::briar::IntOption * extract_batch ) [inline]
```

7.237.3.64 unsafe_arena_set_allocated_return_media()

```
void briar::ExtractOptions::unsafe_arena_set_allocated_return_media (   
    ::briar::BoolOption * return_media ) [inline]
```

7.237.3.65 UnsafeArenaSwap()

```
void briar::ExtractOptions::UnsafeArenaSwap (   
    ExtractOptions * other ) [inline]
```

7.237.4 Friends And Related Function Documentation

7.237.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.237.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.237.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.237.4.4 swap

```
void swap (
    ExtractOptions & a,
    ExtractOptions & b ) [friend]
```

7.237.5 Member Data Documentation

7.237.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ExtractOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ExtractOptions::MergeImpl
}
```

7.237.5.2 kIndexInFileMessages

```
constexpr int briar::ExtractOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

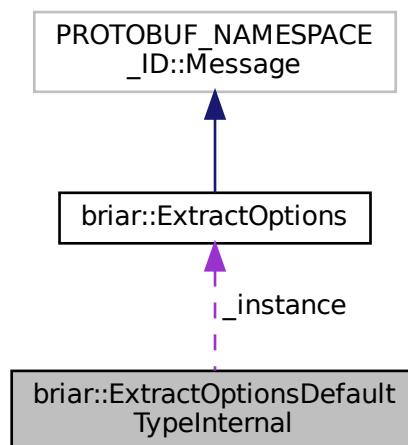
```
= 22
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.238 briar::ExtractOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ExtractOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ExtractOptionsDefaultTypeInternal ()
- ~ExtractOptionsDefaultTypeInternal ()

Public Attributes

- union {
 ExtractOptions _instance
 };

7.238.1 Constructor & Destructor Documentation

7.238.1.1 ExtractOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ExtractOptionsDefaultTypeInternal::ExtractOptionsDefaultTypeInternal  
( ) [inline]
```

7.238.1.2 ~ExtractOptionsDefaultTypeInternal()

```
briar::ExtractOptionsDefaultTypeInternal::~ExtractOptionsDefaultTypeInternal ( ) [inline]
```

7.238.2 Member Data Documentation

7.238.2.1

```
union { ... }
```

7.238.2.2 _instance

```
ExtractOptions briar::ExtractOptionsDefaultTypeInternal::_instance
```

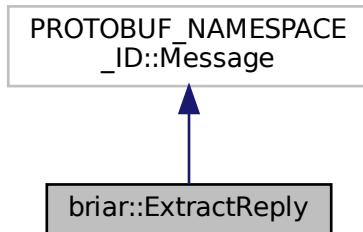
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

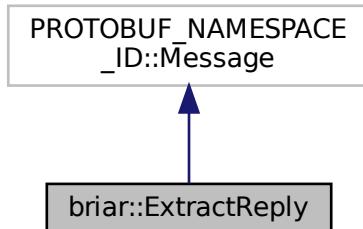
7.239 briar::ExtractReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::ExtractReply:



Collaboration diagram for briar::ExtractReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kTemplatesFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 4 , [kDetectReplyFieldNumber](#) = 6 , [kTrackReplyFieldNumber](#) = 7 ,
 [kErrorsFieldNumber](#) = 8 , [kProgressFieldNumber](#) = 9 , [kFrameIdFieldNumber](#) = 3 , [kModalityFieldNumber](#) = 5 ,
 [kProgressOnlyReplyFieldNumber](#) = 10 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Template * `add_templates` ()
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_detect_reply` ()
- void `clear_durations` ()
- void `clear_errors` ()
- void `clear_frame_id` ()
- void `clear_modality` ()
- void `clear_progress` ()
- void `clear_progress_only_reply` ()
- void `clear_templates` ()
- void `clear_track_reply` ()
- void `CopyFrom` (const `ExtractReply` &from)
- const ::briar::DetectReply & `detect_reply` () const
- const ::briar::BriarDurations & `durations` () const
- const ::briar::BriarErrors & `errors` () const
- `ExtractReply` ()
- PROTOBUF_CONSTEXPR `ExtractReply` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `ExtractReply` (const `ExtractReply` &from)
- `ExtractReply` (`ExtractReply` &&from) noexcept
- int64_t `frame_id` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_detect_reply` () const
- bool `has_durations` () const
- bool `has_errors` () const
- bool `has_progress` () const
- bool `has_track_reply` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `ExtractReply` &from)
- ::briar::BiometricModality `modality` () const
- ::briar::DetectReply * `mutable_detect_reply` ()
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarErrors * `mutable_errors` ()
- ::briar::BriarProgress * `mutable_progress` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Template > * `mutable_templates` ()
- ::briar::Template * `mutable_templates` (int index)
- ::briar::TrackReply * `mutable_track_reply` ()
- `ExtractReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `ExtractReply` & `operator=` (const `ExtractReply` &from)
- `ExtractReply` & `operator=` (`ExtractReply` &&from) noexcept
- const ::briar::BriarProgress & `progress` () const
- bool `progress_only_reply` () const
- PROTOBUF_NODISCARD ::briar::DetectReply * `release_detect_reply` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * `release_errors` ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * `release_progress` ()
- PROTOBUF_NODISCARD ::briar::TrackReply * `release_track_reply` ()

- void `set_allocated_detect_reply` (::briar::DetectReply *`detect_reply`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `set_allocated_progress` (::briar::BriarProgress *`progress`)
- void `set_allocated_track_reply` (::briar::TrackReply *`track_reply`)
- void `set_frame_id` (int64_t `value`)
- void `set_modality` (::briar::BiometricModality `value`)
- void `set_progress_only_reply` (bool `value`)
- void `Swap` (ExtractReply *`other`)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Template > & `templates` () const
- const ::briar::Template & `templates` (int `index`) const
- int `templates_size` () const
- const ::briar::TrackReply & `track_reply` () const
- ::briar::DetectReply * `unsafe_arena_release_detect_reply` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarErrors * `unsafe_arena_release_errors` ()
- ::briar::BriarProgress * `unsafe_arena_release_progress` ()
- ::briar::TrackReply * `unsafe_arena_release_track_reply` ()
- void `unsafe_arena_set_allocated_detect_reply` (::briar::DetectReply *`detect_reply`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_errors` (::briar::BriarErrors *`errors`)
- void `unsafe_arena_set_allocated_progress` (::briar::BriarProgress *`progress`)
- void `unsafe_arena_set_allocated_track_reply` (::briar::TrackReply *`track_reply`)
- void `UnsafeArenaSwap` (ExtractReply *`other`)
- ~ExtractReply () override

Static Public Member Functions

- static const ExtractReply & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const ExtractReply * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- ExtractReply (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned=false`)

Friends

- template<typename T>
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2zproto
- void `swap` (ExtractReply &`a`, ExtractReply &`b`)

7.239.1 Member Enumeration Documentation

7.239.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kTemplatesFieldNumber	
kDurationsFieldNumber	
kDetectReplyFieldNumber	
kTrackReplyFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	
kFrameIdFieldNumber	
kModalityFieldNumber	
kProgressOnlyReplyFieldNumber	

7.239.2 Constructor & Destructor Documentation

7.239.2.1 ExtractReply() [1/5]

```
briar::ExtractReply::ExtractReply ( ) [inline]
```

7.239.2.2 ~ExtractReply()

```
briar::ExtractReply::~ExtractReply ( ) [override]
```

7.239.2.3 ExtractReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::ExtractReply::ExtractReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.239.2.4 ExtractReply() [3/5]

```
briar::ExtractReply::ExtractReply (
    const ExtractReply & from )
```

7.239.2.5 ExtractReply() [4/5]

```
briar::ExtractReply::ExtractReply (
    ExtractReply && from ) [inline], [noexcept]
```

7.239.2.6 ExtractReply() [5/5]

```
briar::ExtractReply::ExtractReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.239.3 Member Function Documentation

7.239.3.1 _InternalParse()

```
const char * briar::ExtractReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.239.3.2 _InternalSerialize()

```
uint8_t * briar::ExtractReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.239.3.3 add_templates()

```
briar::Template * briar::ExtractReply::add_templates () [inline]
```

7.239.3.4 ByteSizeLong()

```
size_t briar::ExtractReply::ByteSizeLong ( ) const [final]
```

7.239.3.5 Clear()

```
void briar::ExtractReply::Clear ( ) [final]
```

7.239.3.6 clear_detect_reply()

```
void briar::ExtractReply::clear_detect_reply ( ) [inline]
```

7.239.3.7 clear_durations()

```
void briar::ExtractReply::clear_durations ( )
```

7.239.3.8 clear_errors()

```
void briar::ExtractReply::clear_errors ( )
```

7.239.3.9 clear_frame_id()

```
void briar::ExtractReply::clear_frame_id ( ) [inline]
```

7.239.3.10 clear_modality()

```
void briar::ExtractReply::clear_modality ( ) [inline]
```

7.239.3.11 clear_progress()

```
void briar::ExtractReply::clear_progress ( )
```

7.239.3.12 clear_progress_only_reply()

```
void briar::ExtractReply::clear_progress_only_reply ( ) [inline]
```

7.239.3.13 clear_templates()

```
void briar::ExtractReply::clear_templates ( )
```

7.239.3.14 clear_track_reply()

```
void briar::ExtractReply::clear_track_reply ( ) [inline]
```

7.239.3.15 CopyFrom()

```
void briar::ExtractReply::CopyFrom (
    const ExtractReply & from )
```

7.239.3.16 default_instance()

```
static const ExtractReply& briar::ExtractReply::default_instance ( ) [inline], [static]
```

7.239.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractReply::descriptor ( ) [inline],
[static]
```

7.239.3.18 detect_reply()

```
const ::briar::DetectReply & briar::ExtractReply::detect_reply ( ) const [inline]
```

7.239.3.19 durations()

```
const ::briar::BriarDurations & briar::ExtractReply::durations ( ) const [inline]
```

7.239.3.20 errors()

```
const ::briar::BriarErrors & briar::ExtractReply::errors ( ) const [inline]
```

7.239.3.21 frame_id()

```
int64_t briar::ExtractReply::frame_id ( ) const [inline]
```

7.239.3.22 GetCachedSize()

```
int briar::ExtractReply::GetCachedSize ( ) const [inline], [final]
```

7.239.3.23 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ExtractReply::GetClassData ( ) const [final]
```

7.239.3.24 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractReply::GetDescriptor ( ) [inline], [static]
```

7.239.3.25 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ExtractReply::GetMetadata ( ) const [final]
```

7.239.3.26 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ExtractReply::GetReflection() [inline],  
[static]
```

7.239.3.27 has_detect_reply()

```
bool briar::ExtractReply::has_detect_reply() const [inline]
```

7.239.3.28 has_durations()

```
bool briar::ExtractReply::has_durations() const [inline]
```

7.239.3.29 has_errors()

```
bool briar::ExtractReply::has_errors() const [inline]
```

7.239.3.30 has_progress()

```
bool briar::ExtractReply::has_progress() const [inline]
```

7.239.3.31 has_track_reply()

```
bool briar::ExtractReply::has_track_reply() const [inline]
```

7.239.3.32 internal_default_instance()

```
static const ExtractReply* briar::ExtractReply::internal_default_instance() [inline], [static]
```

7.239.3.33 IsInitialized()

```
bool briar::ExtractReply::IsInitialized ( ) const [final]
```

7.239.3.34 MergeFrom()

```
void briar::ExtractReply::MergeFrom (
    const ExtractReply & from )
```

7.239.3.35 modality()

```
briar::BiometricModality briar::ExtractReply::modality ( ) const [inline]
```

7.239.3.36 mutable_detect_reply()

```
briar::DetectReply * briar::ExtractReply::mutable_detect_reply ( ) [inline]
```

7.239.3.37 mutable_durations()

```
briar::BriarDurations * briar::ExtractReply::mutable_durations ( ) [inline]
```

7.239.3.38 mutable_errors()

```
briar::BriarErrors * briar::ExtractReply::mutable_errors ( ) [inline]
```

7.239.3.39 mutable_progress()

```
briar::BriarProgress * briar::ExtractReply::mutable_progress ( ) [inline]
```

7.239.3.40 mutable_templates() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Template> * briar::ExtractReply::mutable_<-
templates () [inline]
```

7.239.3.41 mutable_templates() [2/2]

```
briar::Template * briar::ExtractReply::mutable_templates (
    int index ) [inline]
```

7.239.3.42 mutable_track_reply()

```
briar::TrackReply * briar::ExtractReply::mutable_track_reply () [inline]
```

7.239.3.43 New()

```
ExtractReply* briar::ExtractReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.239.3.44 operator=() [1/2]

```
ExtractReply& briar::ExtractReply::operator= (
    const ExtractReply & from ) [inline]
```

7.239.3.45 operator=() [2/2]

```
ExtractReply& briar::ExtractReply::operator= (
    ExtractReply && from ) [inline], [noexcept]
```

7.239.3.46 progress()

```
const ::briar::BriarProgress & briar::ExtractReply::progress () const [inline]
```

7.239.3.47 progress_only_reply()

```
bool briar::ExtractReply::progress_only_reply ( ) const [inline]
```

7.239.3.48 release_detect_reply()

```
briar::DetectReply * briar::ExtractReply::release_detect_reply ( ) [inline]
```

7.239.3.49 release_durations()

```
briar::BriarDurations * briar::ExtractReply::release_durations ( ) [inline]
```

7.239.3.50 release_errors()

```
briar::BriarErrors * briar::ExtractReply::release_errors ( ) [inline]
```

7.239.3.51 release_progress()

```
briar::BriarProgress * briar::ExtractReply::release_progress ( ) [inline]
```

7.239.3.52 release_track_reply()

```
briar::TrackReply * briar::ExtractReply::release_track_reply ( ) [inline]
```

7.239.3.53 set_allocated_detect_reply()

```
void briar::ExtractReply::set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.239.3.54 set_allocated_durations()

```
void briar::ExtractReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.239.3.55 set_allocated_errors()

```
void briar::ExtractReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.239.3.56 set_allocated_progress()

```
void briar::ExtractReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.239.3.57 set_allocated_track_reply()

```
void briar::ExtractReply::set_allocated_track_reply (
    ::briar::TrackReply * track_reply ) [inline]
```

7.239.3.58 set_frame_id()

```
void briar::ExtractReply::set_frame_id (
    int64_t value ) [inline]
```

7.239.3.59 set_modality()

```
void briar::ExtractReply::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.239.3.60 set_progress_only_reply()

```
void briar::ExtractReply::set_progress_only_reply (
    bool value ) [inline]
```

7.239.3.61 Swap()

```
void briar::ExtractReply::Swap (
    ExtractReply * other ) [inline]
```

7.239.3.62 templates() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Template> & briar::ExtractReply::templates () const [inline]
```

7.239.3.63 templates() [2/2]

```
const ::briar::Template & briar::ExtractReply::templates (
    int index ) const [inline]
```

7.239.3.64 templates_size()

```
int briar::ExtractReply::templates_size () const [inline]
```

7.239.3.65 track_reply()

```
const ::briar::TrackReply & briar::ExtractReply::track_reply () const [inline]
```

7.239.3.66 unsafe_arena_release_detect_reply()

```
briar::DetectReply * briar::ExtractReply::unsafe_arena_release_detect_reply () [inline]
```

7.239.3.67 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::ExtractReply::unsafe_arena_release_durations () [inline]
```

7.239.3.68 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::ExtractReply::unsafe_arena_release_errors ( ) [inline]
```

7.239.3.69 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::ExtractReply::unsafe_arena_release_progress ( ) [inline]
```

7.239.3.70 unsafe_arena_release_track_reply()

```
briar::TrackReply * briar::ExtractReply::unsafe_arena_release_track_reply ( ) [inline]
```

7.239.3.71 unsafe_arena_set_allocated_detect_reply()

```
void briar::ExtractReply::unsafe_arena_set_allocated_detect_reply (  
    ::briar::DetectReply * detect_reply ) [inline]
```

7.239.3.72 unsafe_arena_set_allocated_durations()

```
void briar::ExtractReply::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.239.3.73 unsafe_arena_set_allocated_errors()

```
void briar::ExtractReply::unsafe_arena_set_allocated_errors (   
    ::briar::BriarErrors * errors ) [inline]
```

7.239.3.74 unsafe_arena_set_allocated_progress()

```
void briar::ExtractReply::unsafe_arena_set_allocated_progress (   
    ::briar::BriarProgress * progress ) [inline]
```

7.239.3.75 unsafe_arena_set_allocated_track_reply()

```
void briar::ExtractReply::unsafe_arena_set_allocated_track_reply (
    ::briar::TrackReply * track_reply ) [inline]
```

7.239.3.76 UnsafeArenaSwap()

```
void briar::ExtractReply::UnsafeArenaSwap (
    ExtractReply * other ) [inline]
```

7.239.4 Friends And Related Function Documentation

7.239.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.239.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.239.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.239.4.4 swap

```
void swap (
    ExtractReply & a,
    ExtractReply & b ) [friend]
```

7.239.5 Member Data Documentation

7.239.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ExtractReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ExtractReply::MergeImpl
}
```

7.239.5.2 `kIndexInFileMessages`

```
constexpr int briar::ExtractReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

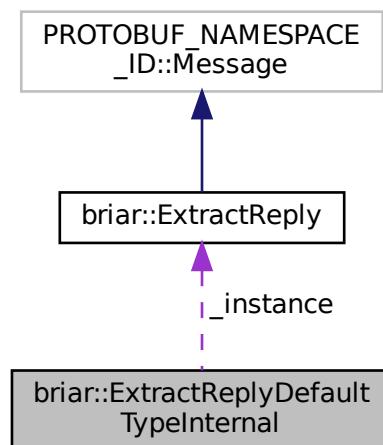
```
= 31
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.240 briar::ExtractReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ExtractReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ExtractReplyDefaultTypeInternal ()
- ~ExtractReplyDefaultTypeInternal ()

Public Attributes

- union {
 [ExtractReply _instance](#)
};

7.240.1 Constructor & Destructor Documentation

7.240.1.1 [ExtractReplyDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::ExtractReplyDefaultTypeInternal::ExtractReplyDefaultTypeInternal ( )  
[inline]
```

7.240.1.2 [~ExtractReplyDefaultTypeInternal\(\)](#)

```
briar::ExtractReplyDefaultTypeInternal::~ExtractReplyDefaultTypeInternal ( ) [inline]
```

7.240.2 Member Data Documentation

7.240.2.1

```
union { ... }
```

7.240.2.2 [_instance](#)

```
ExtractReply briar::ExtractReplyDefaultTypeInternal::_instance
```

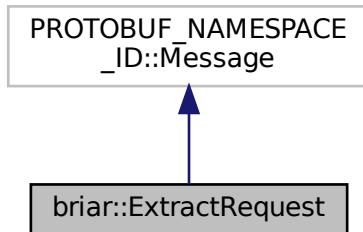
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

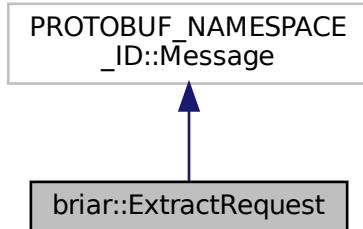
7.241 briar::ExtractRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::ExtractRequest:



Collaboration diagram for briar::ExtractRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kDetectionsFieldNumber](#) = 3, [kMediaFieldNumber](#) = 1, [kDurationsFieldNumber](#) = 2, [kDetectOptionsFieldNumber](#) = 4,
 [kExtractOptionsFieldNumber](#) = 5 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * `add_detections` ()
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_detect_options` ()
- void `clear_detections` ()
- void `clear_durations` ()
- void `clear_extract_options` ()
- void `clear_media` ()
- void `CopyFrom` (const `ExtractRequest` &from)
- const ::briar::DetectionOptions & `detect_options` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & `detections` () const
- const ::briar::Detection & `detections` (int index) const
- int `detections_size` () const
- const ::briar::BriarDurations & `durations` () const
- const ::briar::ExtractOptions & `extract_options` () const
- `ExtractRequest` ()
- PROTOBUF_CONSTEXPR `ExtractRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `ExtractRequest` (const `ExtractRequest` &from)
- `ExtractRequest` (`ExtractRequest` &&from) noexcept
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_detect_options` () const
- bool `has_durations` () const
- bool `has_extract_options` () const
- bool `has_media` () const
- bool `IsInitialized` () const final
- const ::briar::BriarMedia & `media` () const
- void `MergeFrom` (const `ExtractRequest` &from)
- ::briar::DetectionOptions * `mutable_detect_options` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * `mutable_detections` ()
- ::briar::Detection * `mutable_detections` (int index)
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::ExtractOptions * `mutable_extract_options` ()
- ::briar::BriarMedia * `mutable_media` ()
- `ExtractRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `ExtractRequest` & `operator=` (const `ExtractRequest` &from)
- `ExtractRequest` & `operator=` (`ExtractRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::DetectionOptions * `release_detect_options` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::ExtractOptions * `release_extract_options` ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media` ()
- void `set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_extract_options` (::briar::ExtractOptions *`extract_options`)
- void `set_allocated_media` (::briar::BriarMedia *`media`)
- void `Swap` (`ExtractRequest` *other)
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()

- `::briar::ExtractOptions * unsafe_arena_release_extract_options ()`
- `::briar::BriarMedia * unsafe_arena_release_media ()`
- `void unsafe_arena_set_allocated_detect_options (::briar::DetectionOptions *detect_options)`
- `void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- `void unsafe_arena_set_allocated_extract_options (::briar::ExtractOptions *extract_options)`
- `void unsafe_arena_set_allocated_media (::briar::BriarMedia *media)`
- `void UnsafeArenaSwap (ExtractRequest *other)`
- `~ExtractRequest () override`

Static Public Member Functions

- `static const ExtractRequest & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const ExtractRequest * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `ExtractRequest (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
`class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- `void swap (ExtractRequest &a, ExtractRequest &b)`

7.241.1 Member Enumeration Documentation

7.241.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kDetectionsFieldNumber</code>	
<code>kMediaFieldNumber</code>	
<code>kDurationsFieldNumber</code>	
<code>kDetectOptionsFieldNumber</code>	
<code>kExtractOptionsFieldNumber</code>	

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7.241.2 Constructor & Destructor Documentation

7.241.2.1 ExtractRequest() [1/5]

```
briar::ExtractRequest::ExtractRequest ( ) [inline]
```

7.241.2.2 ~ExtractRequest()

```
briar::ExtractRequest::~ExtractRequest ( ) [override]
```

7.241.2.3 ExtractRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::ExtractRequest::ExtractRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.241.2.4 ExtractRequest() [3/5]

```
briar::ExtractRequest::ExtractRequest (
    const ExtractRequest & from )
```

7.241.2.5 ExtractRequest() [4/5]

```
briar::ExtractRequest::ExtractRequest (
    ExtractRequest && from ) [inline], [noexcept]
```

7.241.2.6 ExtractRequest() [5/5]

```
briar::ExtractRequest::ExtractRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.241.3 Member Function Documentation

7.241.3.1 `_InternalParse()`

```
const char * briar::ExtractRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.241.3.2 `_InternalSerialize()`

```
uint8_t * briar::ExtractRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.241.3.3 `add_detections()`

```
briar::Detection * briar::ExtractRequest::add_detections () [inline]
```

7.241.3.4 `ByteSizeLong()`

```
size_t briar::ExtractRequest::ByteSizeLong () const [final]
```

7.241.3.5 `Clear()`

```
void briar::ExtractRequest::Clear () [final]
```

7.241.3.6 `clear_detect_options()`

```
void briar::ExtractRequest::clear_detect_options ()
```

7.241.3.7 `clear_detections()`

```
void briar::ExtractRequest::clear_detections ()
```

7.241.3.8 clear_durations()

```
void briar::ExtractRequest::clear_durations ( )
```

7.241.3.9 clear_extract_options()

```
void briar::ExtractRequest::clear_extract_options ( )
```

7.241.3.10 clear_media()

```
void briar::ExtractRequest::clear_media ( )
```

7.241.3.11 CopyFrom()

```
void briar::ExtractRequest::CopyFrom (
    const ExtractRequest & from )
```

7.241.3.12 default_instance()

```
static const ExtractRequest& briar::ExtractRequest::default_instance ( ) [inline], [static]
```

7.241.3.13 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractRequest::descriptor ( ) [inline], [static]
```

7.241.3.14 detect_options()

```
const ::briar::DetectionOptions & briar::ExtractRequest::detect_options ( ) const [inline]
```

7.241.3.15 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::ExtractRequest::detections() const [inline]
```

7.241.3.16 detections() [2/2]

```
const ::briar::Detection & briar::ExtractRequest::detections(int index) const [inline]
```

7.241.3.17 detections_size()

```
int briar::ExtractRequest::detections_size() const [inline]
```

7.241.3.18 durations()

```
const ::briar::BriarDurations & briar::ExtractRequest::durations() const [inline]
```

7.241.3.19 extract_options()

```
const ::briar::ExtractOptions & briar::ExtractRequest::extract_options() const [inline]
```

7.241.3.20 GetCachedSize()

```
int briar::ExtractRequest::GetCachedSize() const [inline], [final]
```

7.241.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::ExtractRequest::GetClassData() const [final]
```

7.241.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::ExtractRequest::GetDescriptor ( )  
[inline], [static]
```

7.241.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::ExtractRequest::GetMetadata ( ) const [final]
```

7.241.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::ExtractRequest::GetReflection ( )  
[inline], [static]
```

7.241.3.25 has_detect_options()

```
bool briar::ExtractRequest::has_detect_options ( ) const [inline]
```

7.241.3.26 has_durations()

```
bool briar::ExtractRequest::has_durations ( ) const [inline]
```

7.241.3.27 has_extract_options()

```
bool briar::ExtractRequest::has_extract_options ( ) const [inline]
```

7.241.3.28 has_media()

```
bool briar::ExtractRequest::has_media ( ) const [inline]
```

7.241.3.29 internal_default_instance()

```
static const ExtractRequest* briar::ExtractRequest::internal_default_instance ( ) [inline],  
[static]
```

7.241.3.30 IsInitialized()

```
bool briar::ExtractRequest::IsInitialized ( ) const [final]
```

7.241.3.31 media()

```
const ::briar::BriarMedia & briar::ExtractRequest::media ( ) const [inline]
```

7.241.3.32 MergeFrom()

```
void briar::ExtractRequest::MergeFrom (const ExtractRequest & from)
```

7.241.3.33 mutable_detect_options()

```
briar::DetectionOptions * briar::ExtractRequest::mutable_detect_options ( ) [inline]
```

7.241.3.34 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::ExtractRequest::mutable_detections ( ) [inline]
```

7.241.3.35 mutable_detections() [2/2]

```
briar::Detection * briar::ExtractRequest::mutable_detections (int index) [inline]
```

7.241.3.36 `mutable_durations()`

```
briar::BriarDurations * briar::ExtractRequest::mutable_durations ( ) [inline]
```

7.241.3.37 `mutable_extract_options()`

```
briar::ExtractOptions * briar::ExtractRequest::mutable_extract_options ( ) [inline]
```

7.241.3.38 `mutable_media()`

```
briar::BriarMedia * briar::ExtractRequest::mutable_media ( ) [inline]
```

7.241.3.39 `New()`

```
ExtractRequest* briar::ExtractRequest::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.241.3.40 `operator=() [1/2]`

```
ExtractRequest& briar::ExtractRequest::operator= ( const ExtractRequest & from ) [inline]
```

7.241.3.41 `operator=() [2/2]`

```
ExtractRequest& briar::ExtractRequest::operator= ( ExtractRequest && from ) [inline], [noexcept]
```

7.241.3.42 `release_detect_options()`

```
briar::DetectionOptions * briar::ExtractRequest::release_detect_options ( ) [inline]
```

7.241.3.43 release_durations()

```
briar::BriarDurations * briar::ExtractRequest::release_durations ( ) [inline]
```

7.241.3.44 release_extract_options()

```
briar::ExtractOptions * briar::ExtractRequest::release_extract_options ( ) [inline]
```

7.241.3.45 release_media()

```
briar::BriarMedia * briar::ExtractRequest::release_media ( ) [inline]
```

7.241.3.46 set_allocated_detect_options()

```
void briar::ExtractRequest::set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.241.3.47 set_allocated_durations()

```
void briar::ExtractRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.241.3.48 set_allocated_extract_options()

```
void briar::ExtractRequest::set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.241.3.49 set_allocated_media()

```
void briar::ExtractRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.241.3.50 Swap()

```
void briar::ExtractRequest::Swap (
    ExtractRequest * other ) [inline]
```

7.241.3.51 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::ExtractRequest::unsafe_arena_release_detect_options ( ) [inline]
```

7.241.3.52 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::ExtractRequest::unsafe_arena_release_durations ( ) [inline]
```

7.241.3.53 unsafe_arena_release_extract_options()

```
briar::ExtractOptions * briar::ExtractRequest::unsafe_arena_release_extract_options ( ) [inline]
```

7.241.3.54 unsafe_arena_release_media()

```
briar::BriarMedia * briar::ExtractRequest::unsafe_arena_release_media ( ) [inline]
```

7.241.3.55 unsafe_arena_set_allocated_detect_options()

```
void briar::ExtractRequest::unsafe_arena_set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.241.3.56 unsafe_arena_set_allocated_durations()

```
void briar::ExtractRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.241.3.57 unsafe_arena_set_allocated_extract_options()

```
void briar::ExtractRequest::unsafe_arena_set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.241.3.58 unsafe_arena_set_allocated_media()

```
void briar::ExtractRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.241.3.59 UnsafeArenaSwap()

```
void briar::ExtractRequest::UnsafeArenaSwap (
    ExtractRequest * other ) [inline]
```

7.241.4 Friends And Related Function Documentation**7.241.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.241.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.241.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.241.4.4 swap

```
void swap (
    ExtractRequest & a,
    ExtractRequest & b ) [friend]
```

7.241.5 Member Data Documentation

7.241.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::ExtractRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    ExtractRequest::MergeImpl
}
```

7.241.5.2 `kIndexInFileMessages`

```
constexpr int briar::ExtractRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

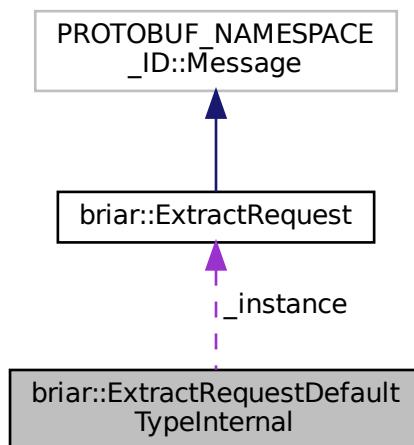
```
=  
30
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.242 briar::ExtractRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::ExtractRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR ExtractRequestDefaultTypeInternal ()
- ~ExtractRequestDefaultTypeInternal ()

Public Attributes

- union {
 ExtractRequest _instance
};

7.242.1 Constructor & Destructor Documentation

7.242.1.1 ExtractRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::ExtractRequestDefaultTypeInternal::ExtractRequestDefaultTypeInternal
( ) [inline]
```

7.242.1.2 ~ExtractRequestDefaultTypeInternal()

```
briar::ExtractRequestDefaultTypeInternal::~ExtractRequestDefaultTypeInternal ( ) [inline]
```

7.242.2 Member Data Documentation

7.242.2.1

```
union { ... }
```

7.242.2.2 _instance

```
ExtractRequest briar::ExtractRequestDefaultTypeInternal::_instance
```

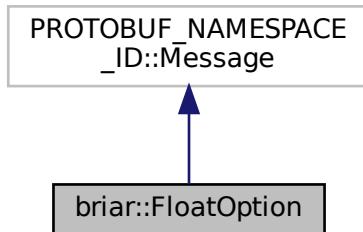
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

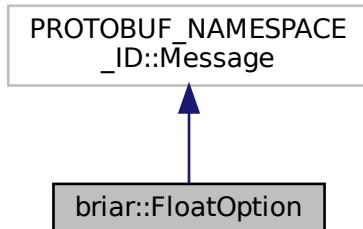
7.243 briar::FloatOption Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::FloatOption:



Collaboration diagram for briar::FloatOption:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kOverrideDefaultFieldNumber](#) = 1 , [kValueFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_RELAXED void [Clear](#) () final
- void [clear_override_default](#) ()
- void [clear_value](#) ()
- void [CopyFrom](#) (const [FloatOption](#) &from)
- [FloatOption](#) ()
- PROTOBUF_CONSTEXPR [FloatOption](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [FloatOption](#) (const [FloatOption](#) &from)
- [FloatOption](#) ([FloatOption](#) &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [FloatOption](#) &from)
- [FloatOption](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [FloatOption](#) & [operator=](#) (const [FloatOption](#) &from)
- [FloatOption](#) & [operator=](#) ([FloatOption](#) &&from) noexcept
- bool [override_default](#) () const
- void [set_override_default](#) (bool [value](#))
- void [set_value](#) (float [value](#))
- void [Swap](#) ([FloatOption](#) *other)
- void [UnsafeArenaSwap](#) ([FloatOption](#) *other)
- float [value](#) () const
- [~FloatOption](#) () override

Static Public Member Functions

- static const [FloatOption](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [FloatOption](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [FloatOption](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned=false\)](#)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (FloatOption &a, FloatOption &b)

7.243.1 Member Enumeration Documentation

7.243.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kOverrideDefaultFieldNumber	
kValueFieldNumber	

7.243.2 Constructor & Destructor Documentation

7.243.2.1 `FloatOption()` [1/5]

```
briar::FloatOption::FloatOption ( ) [inline]
```

7.243.2.2 `~FloatOption()`

```
briar::FloatOption::~FloatOption ( ) [override]
```

7.243.2.3 `FloatOption()` [2/5]

```
PROTOBUF_CONSTEXPR briar::FloatOption::FloatOption ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.243.2.4 `FloatOption()` [3/5]

```
briar::FloatOption::FloatOption (
    const FloatOption & from )
```

7.243.2.5 `FloatOption()` [4/5]

```
briar::FloatOption::FloatOption (
    FloatOption && from ) [inline], [noexcept]
```

7.243.2.6 `FloatOption()` [5/5]

```
briar::FloatOption::FloatOption (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false) [explicit], [protected]
```

7.243.3 Member Function Documentation

7.243.3.1 `_InternalParse()`

```
const char * briar::FloatOption::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx) [final]
```

7.243.3.2 `_InternalSerialize()`

```
uint8_t * briar::FloatOption::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream) const [final]
```

7.243.3.3 `ByteSizeLong()`

```
size_t briar::FloatOption::ByteSizeLong () const [final]
```

7.243.3.4 Clear()

```
void briar::FloatOption::Clear ( ) [final]
```

7.243.3.5 clear_override_default()

```
void briar::FloatOption::clear_override_default ( ) [inline]
```

7.243.3.6 clear_value()

```
void briar::FloatOption::clear_value ( ) [inline]
```

7.243.3.7 CopyFrom()

```
void briar::FloatOption::CopyFrom (
    const FloatOption & from )
```

7.243.3.8 default_instance()

```
static const FloatOption& briar::FloatOption::default_instance ( ) [inline], [static]
```

7.243.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::FloatOption::descriptor ( ) [inline], [static]
```

7.243.3.10 GetCachedSize()

```
int briar::FloatOption::GetCachedSize ( ) const [inline], [final]
```

7.243.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::FloatOption::GetClassData ( ) const  
[final]
```

7.243.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::FloatOption::GetDescriptor ( ) [inline],  
[static]
```

7.243.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::FloatOption::GetMetadata ( ) const [final]
```

7.243.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::FloatOption::GetReflection ( ) [inline],  
[static]
```

7.243.3.15 internal_default_instance()

```
static const FloatOption* briar::FloatOption::internal_default_instance ( ) [inline], [static]
```

7.243.3.16 IsInitialized()

```
bool briar::FloatOption::IsInitialized ( ) const [final]
```

7.243.3.17 MergeFrom()

```
void briar::FloatOption::MergeFrom (   
    const FloatOption & from )
```

7.243.3.18 New()

```
FloatOption* briar::FloatOption::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.243.3.19 operator=() [1/2]

```
FloatOption& briar::FloatOption::operator= (
    const FloatOption & from ) [inline]
```

7.243.3.20 operator=() [2/2]

```
FloatOption& briar::FloatOption::operator= (
    FloatOption && from ) [inline], [noexcept]
```

7.243.3.21 override_default()

```
bool briar::FloatOption::override_default ( ) const [inline]
```

7.243.3.22 set_override_default()

```
void briar::FloatOption::set_override_default (
    bool value ) [inline]
```

7.243.3.23 set_value()

```
void briar::FloatOption::set_value (
    float value ) [inline]
```

7.243.3.24 Swap()

```
void briar::FloatOption::Swap (
    FloatOption * other ) [inline]
```

7.243.3.25 UnsafeArenaSwap()

```
void briar::FloatOption::UnsafeArenaSwap (
    FloatOption * other ) [inline]
```

7.243.3.26 value()

```
float briar::FloatOption::value () const [inline]
```

7.243.4 Friends And Related Function Documentation

7.243.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.243.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.243.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.243.4.4 swap

```
void swap (
    FloatOption & a,
    FloatOption & b ) [friend]
```

7.243.5 Member Data Documentation

7.243.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::FloatOption::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    FloatOption::MergeImpl
}
```

7.243.5.2 `kIndexInFileMessages`

```
constexpr int briar::FloatOption::kIndexInFileMessages [static], [constexpr]
```

Initial value:

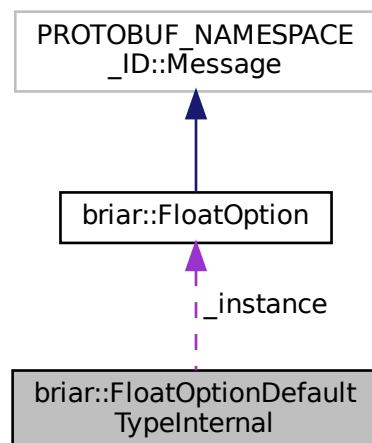
```
=
4
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.244 briar::FloatOptionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::FloatOptionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [FloatOptionDefaultTypeInternal \(\)](#)
- [~FloatOptionDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [FloatOption _instance](#)
};

7.244.1 Constructor & Destructor Documentation

7.244.1.1 [FloatOptionDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::FloatOptionDefaultTypeInternal::FloatOptionDefaultTypeInternal ( )  
[inline]
```

7.244.1.2 [~FloatOptionDefaultTypeInternal\(\)](#)

```
briar::FloatOptionDefaultTypeInternal::~FloatOptionDefaultTypeInternal ( ) [inline]
```

7.244.2 Member Data Documentation

7.244.2.1

```
union { ... }
```

7.244.2.2 [_instance](#)

```
FloatOption briar::FloatOptionDefaultTypeInternal::_instance
```

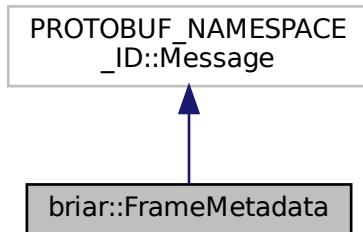
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

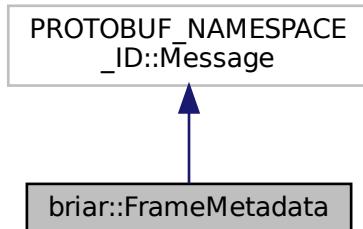
7.245 briar::FrameMetadata Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::FrameMetadata:



Collaboration diagram for briar::FrameMetadata:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kAttributesFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_attributes](#) ()
- void [CopyFrom](#) (const FrameMetadata &from)
- FrameMetadata ()
- PROTOBUF_CONSTEXPR FrameMetadata (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- FrameMetadata (const FrameMetadata &from)
- FrameMetadata (FrameMetadata &&from) noexcept
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const FrameMetadata &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()
- ::briar::Attribute * [mutable_attributes](#) (int index)
- FrameMetadata * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- FrameMetadata & [operator=](#) (const FrameMetadata &from)
- FrameMetadata & [operator=](#) (FrameMetadata &&from) noexcept
- void [Swap](#) (FrameMetadata *other)
- void [UnsafeArenaSwap](#) (FrameMetadata *other)
- [~FrameMetadata](#) () override

Static Public Member Functions

- static const FrameMetadata & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const FrameMetadata * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- FrameMetadata (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (FrameMetadata &a, FrameMetadata &b)

7.245.1 Member Enumeration Documentation

7.245.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

KAttributesFieldNumber	<input type="button" value=""/>
------------------------	---------------------------------

7.245.2 Constructor & Destructor Documentation

7.245.2.1 FrameMetadata() [1/5]

```
briar::FrameMetadata::FrameMetadata ( ) [inline]
```

7.245.2.2 ~FrameMetadata()

```
briar::FrameMetadata::~FrameMetadata ( ) [override]
```

7.245.2.3 FrameMetadata() [2/5]

```
PROTOBUF_CONSTEXPR briar::FrameMetadata::FrameMetadata (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.245.2.4 FrameMetadata() [3/5]

```
briar::FrameMetadata::FrameMetadata (
    const FrameMetadata & from )
```

7.245.2.5 FrameMetadata() [4/5]

```
briar::FrameMetadata::FrameMetadata (
    FrameMetadata && from ) [inline], [noexcept]
```

7.245.2.6 FrameMetadata() [5/5]

```
briar::FrameMetadata::FrameMetadata (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.245.3 Member Function Documentation

7.245.3.1 _InternalParse()

```
const char * briar::FrameMetadata::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.245.3.2 _InternalSerialize()

```
uint8_t * briar::FrameMetadata::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.245.3.3 add_attributes()

```
briar::Attribute * briar::FrameMetadata::add_attributes () [inline]
```

7.245.3.4 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::FrameMetadata::attributes () const [inline]
```

7.245.3.5 attributes() [2/2]

```
const ::briar::Attribute & briar::FrameMetadata::attributes (int index) const [inline]
```

7.245.3.6 attributes_size()

```
int briar::FrameMetadata::attributes_size () const [inline]
```

7.245.3.7 ByteSizeLong()

```
size_t briar::FrameMetadata::ByteSizeLong () const [final]
```

7.245.3.8 Clear()

```
void briar::FrameMetadata::Clear () [final]
```

7.245.3.9 clear_attributes()

```
void briar::FrameMetadata::clear_attributes () [inline]
```

7.245.3.10 CopyFrom()

```
void briar::FrameMetadata::CopyFrom (const FrameMetadata & from)
```

7.245.3.11 default_instance()

```
static const FrameMetadata& briar::FrameMetadata::default_instance ( ) [inline], [static]
```

7.245.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::FrameMetadata::descriptor ( ) [inline], [static]
```

7.245.3.13 GetCachedSize()

```
int briar::FrameMetadata::GetCachedSize ( ) const [inline], [final]
```

7.245.3.14 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::FrameMetadata::GetClassData ( ) const [final]
```

7.245.3.15 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::FrameMetadata::GetDescriptor ( ) [inline], [static]
```

7.245.3.16 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::FrameMetadata::GetMetadata ( ) const [final]
```

7.245.3.17 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::FrameMetadata::GetReflection ( ) [inline], [static]
```

7.245.3.18 internal_default_instance()

```
static const FrameMetadata* briar::FrameMetadata::internal_default_instance ( ) [inline],  
[static]
```

7.245.3.19 IsInitialized()

```
bool briar::FrameMetadata::IsInitialized ( ) const [final]
```

7.245.3.20 MergeFrom()

```
void briar::FrameMetadata::MergeFrom (const FrameMetadata & from)
```

7.245.3.21 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::FrameMetadata::mutable_attributes ( ) [inline]
```

7.245.3.22 mutable_attributes() [2/2]

```
briar::Attribute * briar::FrameMetadata::mutable_attributes (int index) [inline]
```

7.245.3.23 New()

```
FrameMetadata* briar::FrameMetadata::New (::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.245.3.24 operator=() [1/2]

```
FrameMetadata& briar::FrameMetadata::operator= (const FrameMetadata & from) [inline]
```

7.245.3.25 operator=() [2/2]

```
FrameMetadata& briar::FrameMetadata::operator= (
    FrameMetadata && from )  [inline], [noexcept]
```

7.245.3.26 Swap()

```
void briar::FrameMetadata::Swap (
    FrameMetadata * other )  [inline]
```

7.245.3.27 UnsafeArenaSwap()

```
void briar::FrameMetadata::UnsafeArenaSwap (
    FrameMetadata * other )  [inline]
```

7.245.4 Friends And Related Function Documentation

7.245.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper  [friend]
```

7.245.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata  [friend]
```

7.245.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto  [friend]
```

7.245.4.4 swap

```
void swap (
    FrameMetadata & a,
    FrameMetadata & b )  [friend]
```

7.245.5 Member Data Documentation

7.245.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::FrameMetadata::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    FrameMetadata::MergeImpl
}
```

7.245.5.2 `kIndexInFileMessages`

```
constexpr int briar::FrameMetadata::kIndexInFileMessages [static], [constexpr]
```

Initial value:

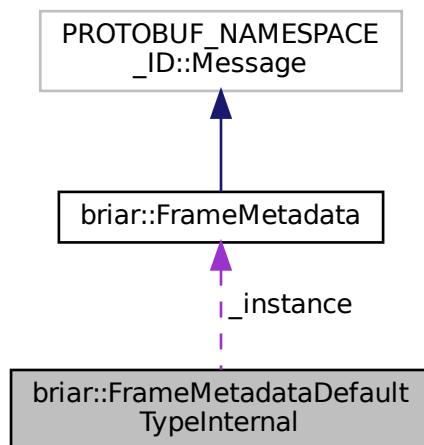
```
= 15
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.246 briar::FrameMetadataDefaultTypeInternal Struct Reference

Collaboration diagram for briar::FrameMetadataDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR FrameMetadataDefaultTypeInternal ()
- ~FrameMetadataDefaultTypeInternal ()

Public Attributes

- union {
 FrameMetadata _instance
};

7.246.1 Constructor & Destructor Documentation

7.246.1.1 FrameMetadataDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::FrameMetadataDefaultTypeInternal::FrameMetadataDefaultTypeInternal ( ) [inline]
```

7.246.1.2 ~FrameMetadataDefaultTypeInternal()

```
briar::FrameMetadataDefaultTypeInternal::~FrameMetadataDefaultTypeInternal ( ) [inline]
```

7.246.2 Member Data Documentation

7.246.2.1

```
union { ... }
```

7.246.2.2 _instance

```
FrameMetadata briar::FrameMetadataDefaultTypeInternal::_instance
```

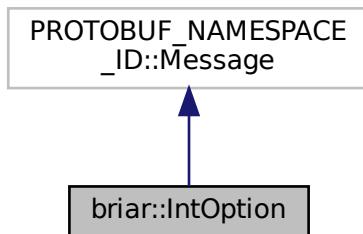
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

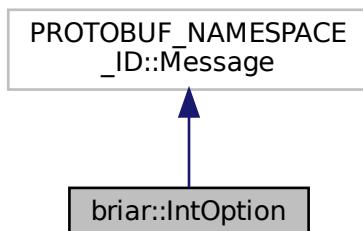
7.247 briar::IntOption Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::IntOption:



Collaboration diagram for briar::IntOption:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kValueFieldNumber = 2](#) , [kOverrideDefaultFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_RELAXED void [Clear](#) () final
- void [clear_override_default](#) ()
- void [clear_value](#) ()
- void [CopyFrom](#) (const [IntOption](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- [IntOption](#) ()
- PROTOBUF_CONSTEXPR [IntOption](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [IntOption](#) (const [IntOption](#) &from)
- [IntOption](#) ([IntOption](#) &&from) noexcept
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [IntOption](#) &from)
- [IntOption](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [IntOption](#) & [operator=](#) (const [IntOption](#) &from)
- [IntOption](#) & [operator=](#) ([IntOption](#) &&from) noexcept
- bool [override_default](#) () const
- void [set_override_default](#) (bool [value](#))
- void [set_value](#) (int64_t [value](#))
- void [Swap](#) ([IntOption](#) *other)
- void [UnsafeArenaSwap](#) ([IntOption](#) *other)
- int64_t [value](#) () const
- [~IntOption](#) () override

Static Public Member Functions

- static const [IntOption](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [IntOption](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [IntOption](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool [is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (IntOption &a, IntOption &b)

7.247.1 Member Enumeration Documentation

7.247.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kValueFieldNumber	
kOverrideDefaultFieldNumber	

7.247.2 Constructor & Destructor Documentation

7.247.2.1 IntOption() [1/5]

```
briar::IntOption::IntOption ( ) [inline]
```

7.247.2.2 ~IntOption()

```
briar::IntOption::~IntOption ( ) [override]
```

7.247.2.3 IntOption() [2/5]

```
PROTOBUF_CONSTEXPR briar::IntOption::IntOption (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.247.2.4 IntOption() [3/5]

```
briar::IntOption::IntOption (
    const IntOption & from )
```

7.247.2.5 IntOption() [4/5]

```
briar::IntOption::IntOption (
    IntOption && from ) [inline], [noexcept]
```

7.247.2.6 IntOption() [5/5]

```
briar::IntOption::IntOption (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.247.3 Member Function Documentation

7.247.3.1 _InternalParse()

```
const char * briar::IntOption::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.247.3.2 _InternalSerialize()

```
uint8_t * briar::IntOption::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.247.3.3 ByteSizeLong()

```
size_t briar::IntOption::ByteSizeLong ( ) const [final]
```

7.247.3.4 Clear()

```
void briar::IntOption::Clear ( ) [final]
```

7.247.3.5 clear_override_default()

```
void briar::IntOption::clear_override_default ( ) [inline]
```

7.247.3.6 clear_value()

```
void briar::IntOption::clear_value ( ) [inline]
```

7.247.3.7 CopyFrom()

```
void briar::IntOption::CopyFrom (
    const IntOption & from )
```

7.247.3.8 default_instance()

```
static const IntOption& briar::IntOption::default_instance ( ) [inline], [static]
```

7.247.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::IntOption::descriptor ( ) [inline],
[static]
```

7.247.3.10 GetCachedSize()

```
int briar::IntOption::GetCachedSize ( ) const [inline], [final]
```

7.247.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::IntOption::GetClassData ( ) const  
[final]
```

7.247.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::IntOption::GetDescriptor ( ) [inline],  
[static]
```

7.247.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::IntOption::GetMetadata ( ) const [final]
```

7.247.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::IntOption::GetReflection ( ) [inline],  
[static]
```

7.247.3.15 internal_default_instance()

```
static const IntOption* briar::IntOption::internal_default_instance ( ) [inline], [static]
```

7.247.3.16 IsInitialized()

```
bool briar::IntOption::IsInitialized ( ) const [final]
```

7.247.3.17 MergeFrom()

```
void briar::IntOption::MergeFrom (   
    const IntOption & from )
```

7.247.3.18 New()

```
IntOption* briar::IntOption::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.247.3.19 operator=() [1/2]

```
IntOption& briar::IntOption::operator= (
    const IntOption & from ) [inline]
```

7.247.3.20 operator=() [2/2]

```
IntOption& briar::IntOption::operator= (
    IntOption && from ) [inline], [noexcept]
```

7.247.3.21 override_default()

```
bool briar::IntOption::override_default ( ) const [inline]
```

7.247.3.22 set_override_default()

```
void briar::IntOption::set_override_default (
    bool value ) [inline]
```

7.247.3.23 set_value()

```
void briar::IntOption::set_value (
    int64_t value ) [inline]
```

7.247.3.24 Swap()

```
void briar::IntOption::Swap (
    IntOption * other ) [inline]
```

7.247.3.25 UnsafeArenaSwap()

```
void briar::IntOption::UnsafeArenaSwap (
    IntOption * other ) [inline]
```

7.247.3.26 value()

```
int64_t briar::IntOption::value () const [inline]
```

7.247.4 Friends And Related Function Documentation

7.247.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.247.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.247.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.247.4.4 swap

```
void swap (
    IntOption & a,
    IntOption & b ) [friend]
```

7.247.5 Member Data Documentation

7.247.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::IntOption::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    IntOption::MergeImpl
}
```

7.247.5.2 `kIndexInFileMessages`

```
constexpr int briar::IntOption::kIndexInFileMessages [static], [constexpr]
```

Initial value:

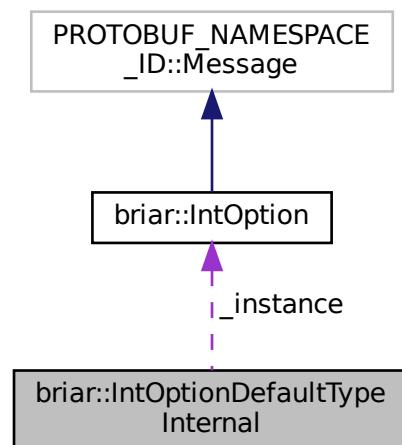
```
= 3
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.248 briar::IntOptionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::IntOptionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [IntOptionDefaultTypeInternal \(\)](#)
- [~IntOptionDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [IntOption _instance](#)
};

7.248.1 Constructor & Destructor Documentation

7.248.1.1 [IntOptionDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::IntOptionDefaultTypeInternal::IntOptionDefaultTypeInternal() [inline]
```

7.248.1.2 [~IntOptionDefaultTypeInternal\(\)](#)

```
briar::IntOptionDefaultTypeInternal::~IntOptionDefaultTypeInternal() [inline]
```

7.248.2 Member Data Documentation

7.248.2.1

```
union { ... }
```

7.248.2.2 [_instance](#)

```
IntOption briar::IntOptionDefaultTypeInternal::_instance
```

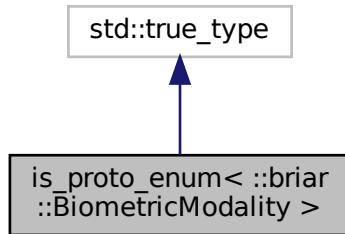
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

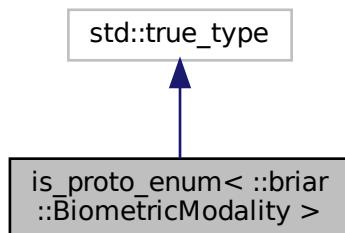
7.249 `is_proto_enum< ::briar::BiometricModality >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::BiometricModality >`:



Collaboration diagram for `is_proto_enum< ::briar::BiometricModality >`:



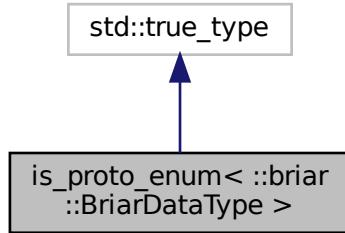
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

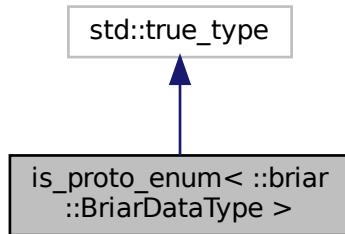
7.250 `is_proto_enum< ::briar::BriarDataType >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::BriarDataType >`:



Collaboration diagram for `is_proto_enum< ::briar::BriarDataType >`:



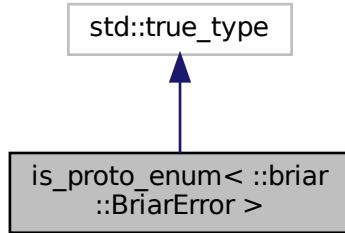
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

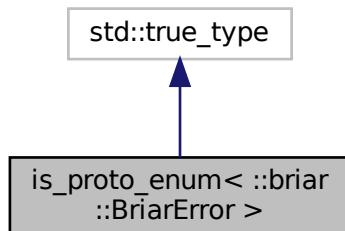
7.251 `is_proto_enum< ::briar::BriarError >` Struct Reference

```
#include <briar_error.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::BriarError >`:



Collaboration diagram for `is_proto_enum< ::briar::BriarError >`:



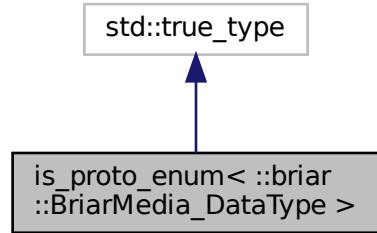
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_error.pb.h](#)

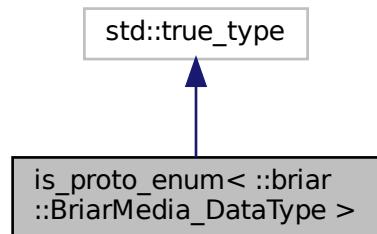
7.252 `is_proto_enum< ::briar::BriarMedia_DataType >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::BriarMedia_DataType >`:



Collaboration diagram for `is_proto_enum< ::briar::BriarMedia_DataType >`:



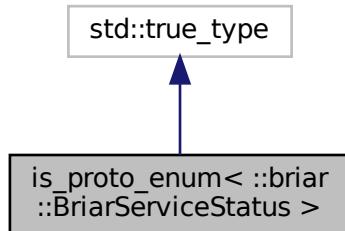
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

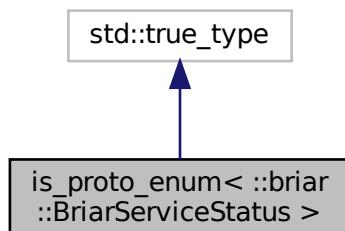
7.253 `is_proto_enum< ::briar::BriarServiceStatus >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::BriarServiceStatus >`:



Collaboration diagram for `is_proto_enum< ::briar::BriarServiceStatus >`:



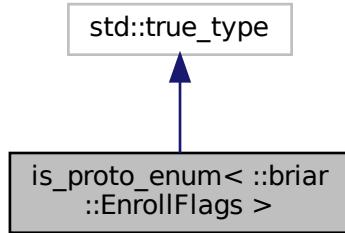
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

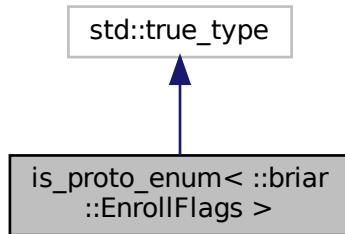
7.254 `is_proto_enum< ::briar::EnrollFlags >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::EnrollFlags >`:



Collaboration diagram for `is_proto_enum< ::briar::EnrollFlags >`:



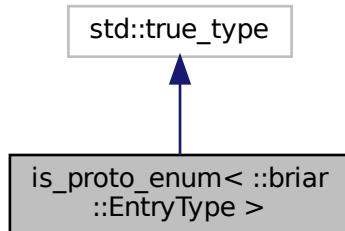
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

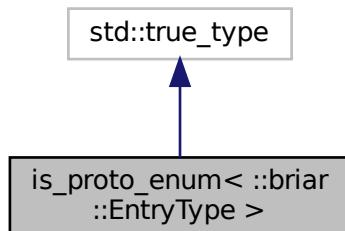
7.255 `is_proto_enum< ::briar::EntryType >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::EntryType >`:



Collaboration diagram for `is_proto_enum< ::briar::EntryType >`:



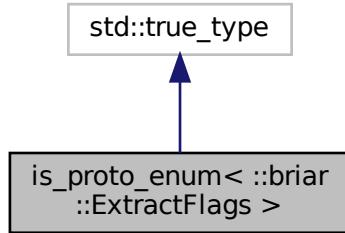
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

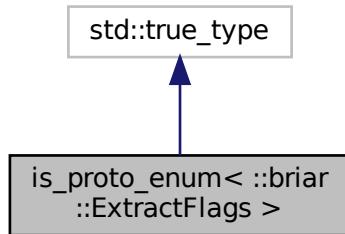
7.256 `is_proto_enum< ::briar::ExtractFlags >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::ExtractFlags >`:



Collaboration diagram for `is_proto_enum< ::briar::ExtractFlags >`:



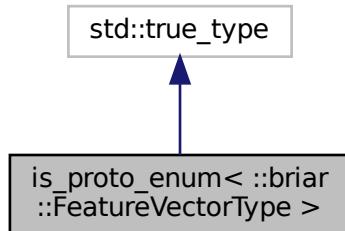
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

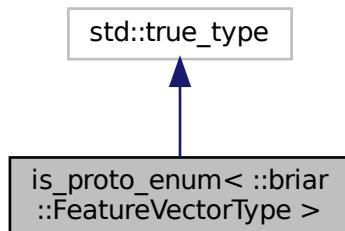
7.257 `is_proto_enum< ::briar::FeatureVectorType >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::FeatureVectorType >`:



Collaboration diagram for `is_proto_enum< ::briar::FeatureVectorType >`:



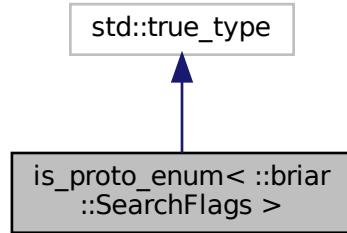
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

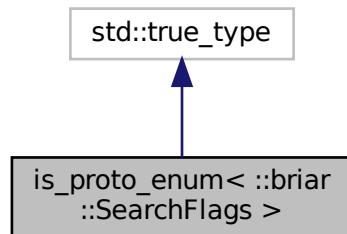
7.258 `is_proto_enum< ::briar::SearchFlags >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::SearchFlags >`:



Collaboration diagram for `is_proto_enum< ::briar::SearchFlags >`:



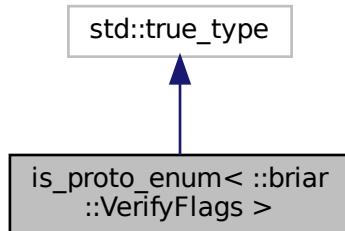
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

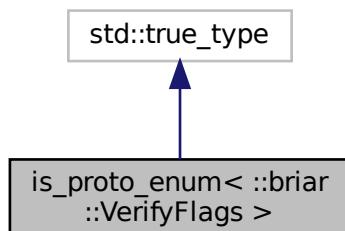
7.259 `is_proto_enum< ::briar::VerifyFlags >` Struct Reference

```
#include <briar.pb.h>
```

Inheritance diagram for `is_proto_enum< ::briar::VerifyFlags >`:



Collaboration diagram for `is_proto_enum< ::briar::VerifyFlags >`:



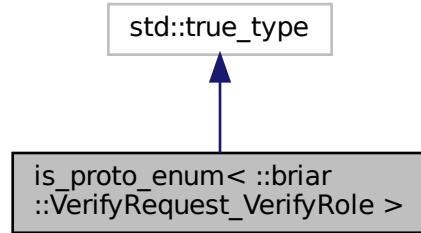
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)

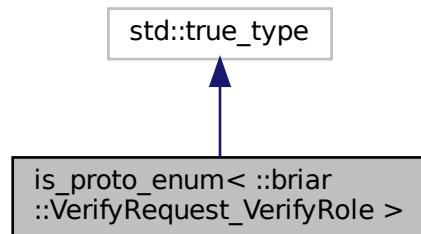
7.260 `is_proto_enum< ::briar::VerifyRequest_VerifyRole >` Struct Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for is_proto_enum< ::briar::VerifyRequest_VerifyRole >:



Collaboration diagram for is_proto_enum< ::briar::VerifyRequest_VerifyRole >:



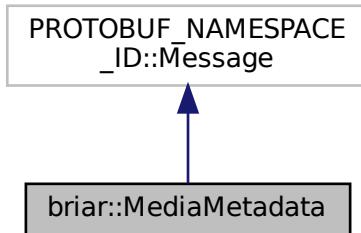
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)

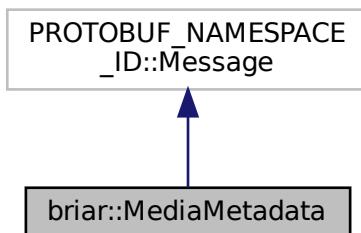
7.261 briar::MediaMetadata Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::MediaMetadata:



Collaboration diagram for briar::MediaMetadata:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kAttributesFieldNumber](#) = 1 , [kFrameMetadataFieldNumber](#) = 2 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- ::briar::FrameMetadata * [add_frame_metadata](#) ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const

- const ::briar::Attribute & **attributes** (int index) const
- int **attributes_size** () const
- size_t **ByteSizeLong** () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void **Clear** () final
- void **clear_attributes** ()
- void **clear_frame_metadata** ()
- void **CopyFrom** (const MediaMetadata &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::FrameMetadata > & **frame_metadata** () const
- const ::briar::FrameMetadata & **frame_metadata** (int index) const
- int **frame_metadata_size** () const
- int **GetCachedSize** () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * **GetClassData** () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata **GetMetadata** () const final
- bool **IsInitialized** () const final
- **MediaMetadata** ()
- PROTOBUF_CONSTEXPR MediaMetadata (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- **MediaMetadata** (const MediaMetadata &from)
- **MediaMetadata** (MediaMetadata &&from) noexcept
- void **MergeFrom** (const MediaMetadata &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * **mutable_attributes** ()
- ::briar::Attribute * **mutable_attributes** (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::FrameMetadata > * **mutable_frame_metadata** ()
- ::briar::FrameMetadata * **mutable_frame_metadata** (int index)
- **MediaMetadata** * **New** (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- **MediaMetadata** & **operator=** (const MediaMetadata &from)
- **MediaMetadata** & **operator=** (MediaMetadata &&from) noexcept
- void **Swap** (MediaMetadata *other)
- void **UnsafeArenaSwap** (MediaMetadata *other)
- **~MediaMetadata** () override

Static Public Member Functions

- static const MediaMetadata & **default_instance** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **descriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **GetDescriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * **GetReflection** ()
- static const MediaMetadata * **internal_default_instance** ()

Static Public Attributes

- static const ClassData **_class_data_**
- static constexpr int **kIndexInFileMessages**

Protected Member Functions

- **MediaMetadata** (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void swap (MediaMetadata &a, MediaMetadata &b)

7.261.1 Member Enumeration Documentation

7.261.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kAttributesFieldNumber	
kFrameMetadataFieldNumber	

7.261.2 Constructor & Destructor Documentation

7.261.2.1 MediaMetadata() [1/5]

```
briar::MediaMetadata::MediaMetadata ( ) [inline]
```

7.261.2.2 ~MediaMetadata()

```
briar::MediaMetadata::~MediaMetadata ( ) [override]
```

7.261.2.3 MediaMetadata() [2/5]

```
PROTOBUF_CONSTEXPR briar::MediaMetadata::MediaMetadata (   
  ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.261.2.4 MediaMetadata() [3/5]

```
briar::MediaMetadata::MediaMetadata (
    const MediaMetadata & from )
```

7.261.2.5 MediaMetadata() [4/5]

```
briar::MediaMetadata::MediaMetadata (
    MediaMetadata && from ) [inline], [noexcept]
```

7.261.2.6 MediaMetadata() [5/5]

```
briar::MediaMetadata::MediaMetadata (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.261.3 Member Function Documentation

7.261.3.1 _InternalParse()

```
const char * briar::MediaMetadata::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.261.3.2 _InternalSerialize()

```
uint8_t * briar::MediaMetadata::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.261.3.3 add_attributes()

```
briar::Attribute * briar::MediaMetadata::add_attributes () [inline]
```

7.261.3.4 add_frame_metadata()

```
briar::FrameMetadata * briar::MediaMetadata::add_frame_metadata ( ) [inline]
```

7.261.3.5 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::MediaMetadata::attributes ( ) const [inline]
```

7.261.3.6 attributes() [2/2]

```
const ::briar::Attribute & briar::MediaMetadata::attributes ( int index ) const [inline]
```

7.261.3.7 attributes_size()

```
int briar::MediaMetadata::attributes_size ( ) const [inline]
```

7.261.3.8 ByteSizeLong()

```
size_t briar::MediaMetadata::ByteSizeLong ( ) const [final]
```

7.261.3.9 Clear()

```
void briar::MediaMetadata::Clear ( ) [final]
```

7.261.3.10 clear_attributes()

```
void briar::MediaMetadata::clear_attributes ( ) [inline]
```

7.261.3.11 clear_frame_metadata()

```
void briar::MediaMetadata::clear_frame_metadata ( ) [inline]
```

7.261.3.12 CopyFrom()

```
void briar::MediaMetadata::CopyFrom (
    const MediaMetadata & from )
```

7.261.3.13 default_instance()

```
static const MediaMetadata& briar::MediaMetadata::default_instance ( ) [inline], [static]
```

7.261.3.14 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::MediaMetadata::descriptor ( ) [inline], [static]
```

7.261.3.15 frame_metadata() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::FrameMetadata> & briar::MediaMetadata::frame_metadata ( ) const [inline]
```

7.261.3.16 frame_metadata() [2/2]

```
const ::briar::FrameMetadata & briar::MediaMetadata::frame_metadata (
    int index ) const [inline]
```

7.261.3.17 frame_metadata_size()

```
int briar::MediaMetadata::frame_metadata_size ( ) const [inline]
```

7.261.3.18 GetCachedSize()

```
int briar::MediaMetadata::GetCachedSize ( ) const [inline], [final]
```

7.261.3.19 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::MediaMetadata::GetClassData ( )  
const [final]
```

7.261.3.20 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::MediaMetadata::GetDescriptor ( )  
[inline], [static]
```

7.261.3.21 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::MediaMetadata::GetMetadata ( ) const [final]
```

7.261.3.22 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::MediaMetadata::GetReflection ( )  
[inline], [static]
```

7.261.3.23 internal_default_instance()

```
static const MediaMetadata* briar::MediaMetadata::internal_default_instance ( ) [inline],  
[static]
```

7.261.3.24 IsInitialized()

```
bool briar::MediaMetadata::IsInitialized ( ) const [final]
```

7.261.3.25 MergeFrom()

```
void briar::MediaMetadata::MergeFrom (
    const MediaMetadata & from )
```

7.261.3.26 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::MediaMetadata::mutable_attributes ( ) [inline]
```

7.261.3.27 mutable_attributes() [2/2]

```
briar::Attribute * briar::MediaMetadata::mutable_attributes (
    int index ) [inline]
```

7.261.3.28 mutable_frame_metadata() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::FrameMetadata> * briar::MediaMetadata::mutable_frame_metadata ( ) [inline]
```

7.261.3.29 mutable_frame_metadata() [2/2]

```
briar::FrameMetadata * briar::MediaMetadata::mutable_frame_metadata (
    int index ) [inline]
```

7.261.3.30 New()

```
MediaMetadata* briar::MediaMetadata::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.261.3.31 operator=() [1/2]

```
MediaMetadata& briar::MediaMetadata::operator= (
    const MediaMetadata & from ) [inline]
```

7.261.3.32 operator=() [2/2]

```
MediaMetadata& briar::MediaMetadata::operator= (
    MediaMetadata && from )  [inline], [noexcept]
```

7.261.3.33 Swap()

```
void briar::MediaMetadata::Swap (
    MediaMetadata * other )  [inline]
```

7.261.3.34 UnsafeArenaSwap()

```
void briar::MediaMetadata::UnsafeArenaSwap (
    MediaMetadata * other )  [inline]
```

7.261.4 Friends And Related Function Documentation

7.261.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper  [friend]
```

7.261.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata  [friend]
```

7.261.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto  [friend]
```

7.261.4.4 swap

```
void swap (
    MediaMetadata & a,
    MediaMetadata & b )  [friend]
```

7.261.5 Member Data Documentation

7.261.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::MediaMetadata::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    MediaMetadata::MergeImpl
}
```

7.261.5.2 `kIndexInFileMessages`

```
constexpr int briar::MediaMetadata::kIndexInFileMessages [static], [constexpr]
```

Initial value:

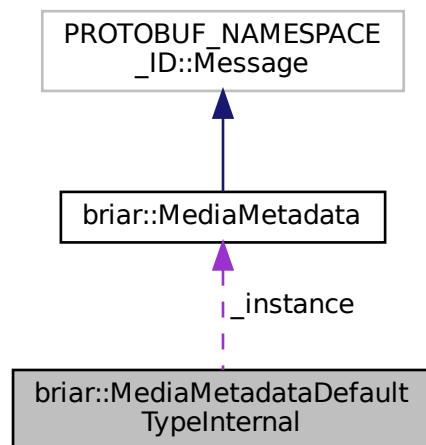
```
= 16
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.262 briar::MediaMetadataDefaultTypeInternal Struct Reference

Collaboration diagram for briar::MediaMetadataDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR MediaMetadataDefaultTypeInternal ()
- ~MediaMetadataDefaultTypeInternal ()

Public Attributes

- union {
 MediaMetadata _instance
};

7.262.1 Constructor & Destructor Documentation

7.262.1.1 MediaMetadataDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::MediaMetadataDefaultTypeInternal::MediaMetadataDefaultTypeInternal ( ) [inline]
```

7.262.1.2 ~MediaMetadataDefaultTypeInternal()

```
briar::MediaMetadataDefaultTypeInternal::~MediaMetadataDefaultTypeInternal ( ) [inline]
```

7.262.2 Member Data Documentation

7.262.2.1

```
union { ... }
```

7.262.2.2 _instance

```
MediaMetadata briar::MediaMetadataDefaultTypeInternal::_instance
```

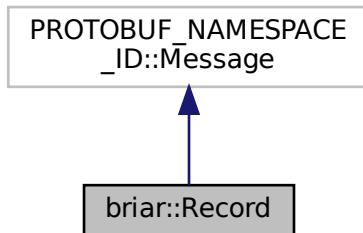
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

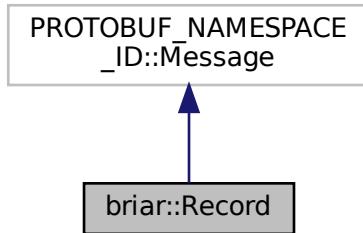
7.263 briar::Record Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Record:



Collaboration diagram for briar::Record:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kSourceIdFieldNumber = 6 , **kMediaPreviewsFieldNumber** = 9 , **kSubjectPreviewsFieldNumber** = 10 ,
 kAttributesFieldNumber = 13 ,
 kEntryIdFieldNumber = 2 , **kSubjectIdFieldNumber** = 4 , **kNameFieldNumber** = 5 , **kAlgorithmFieldNumber** =
 7 ,
 kNotesFieldNumber = 8 , **kTemplatesFieldNumber** = 11 , **kTrackletsFieldNumber** = 12 , **kSourceFieldNumber**
 = 15 ,
 kMediaIdFieldNumber = 17 , **kDatabaseIdFieldNumber** = 1 , **kDetectionFieldNumber** = 14 , **kEntryTypeFieldNumber**
 = 3 ,
 kModalityFieldNumber = 16 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_attributes` ()
- std::string * `add_source_id` ()
- void `add_source_id` (const char *value)
- void `add_source_id` (const char *value, size_t size)
- void `add_source_id` (const std::string &value)
- void `add_source_id` (std::string &&value)
- const std::string & `algorithm` () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `attributes` () const
- const ::briar::Attribute & `attributes` (int index) const
- int `attributes_size` () const
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_algorithm` ()
- void `clear_attributes` ()
- void `clear_database_id` ()
- void `clear_detection` ()
- void `clear_entry_id` ()
- void `clear_entry_type` ()
- void `clear_media_id` ()
- void `clear_media_previews` ()
- void `clear_modality` ()
- void `clear_name` ()
- void `clear_notes` ()
- void `clear_source` ()
- void `clear_source_id` ()
- void `clear_subject_id` ()
- void `clear_subject_previews` ()
- void `clear_templates` ()
- void `clear_tracklets` ()
- void `CopyFrom` (const Record &from)
- const ::briar::BriarDatabase & `database_id` () const
- const ::briar::Detection & `detection` () const
- const std::string & `entry_id` () const
- ::briar::EntryType `entry_type` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_database_id` () const
- bool `has_detection` () const
- bool `IsInitialized` () const final
- const std::string & `media_id` () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > & `media_previews` () const
- int `media_previews_size` () const
- void `MergeFrom` (const Record &from)
- ::briar::BiometricModality `modality` () const
- std::string * `mutable_algorithm` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_attributes` ()
- ::briar::Attribute * `mutable_attributes` (int index)
- ::briar::BriarDatabase * `mutable_database_id` ()

- `::briar::Detection * mutable_detection ()`
- `std::string * mutable_entry_id ()`
- `std::string * mutable_media_id ()`
- `::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > * mutable_media_previews ()`
- `std::string * mutable_name ()`
- `std::string * mutable_notes ()`
- `std::string * mutable_source ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * mutable_source_id ()`
- `std::string * mutable_source_id (int index)`
- `std::string * mutable_subject_id ()`
- `::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > * mutable_subject_previews ()`
- `std::string * mutable_templates ()`
- `std::string * mutable_tracklets ()`
- `const std::string & name () const`
- `Record * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `const std::string & notes () const`
- `Record & operator= (const Record &from)`
- `Record & operator= (Record &&from) noexcept`
- `Record ()`
- `PROTOBUF_CONSTEXPR Record (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `Record (const Record &from)`
- `Record (Record &&from) noexcept`
- `PROTOBUF_NODISCARD std::string * release_algorithm ()`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_database_id ()`
- `PROTOBUF_NODISCARD ::briar::Detection * release_detection ()`
- `PROTOBUF_NODISCARD std::string * release_entry_id ()`
- `PROTOBUF_NODISCARD std::string * release_media_id ()`
- `PROTOBUF_NODISCARD std::string * release_name ()`
- `PROTOBUF_NODISCARD std::string * release_notes ()`
- `PROTOBUF_NODISCARD std::string * release_source ()`
- `PROTOBUF_NODISCARD std::string * release_subject_id ()`
- `PROTOBUF_NODISCARD std::string * release_templates ()`
- `PROTOBUF_NODISCARD std::string * release_tracklets ()`
- `template<typename ArgT0 = const std::string&, typename... ArgT>`
`void set_algorithm (ArgT0 &&arg0, ArgT... args)`
- `template<typename ArgT0 , typename... ArgT>`
`PROTOBUF_ALWAYS_INLINE void set_algorithm (ArgT0 &&arg0, ArgT... args)`
- `void set_allocated_algorithm (std::string *algorithm)`
- `void set_allocated_database_id (::briar::BriarDatabase *database_id)`
- `void set_allocated_detection (::briar::Detection *detection)`
- `void set_allocated_entry_id (std::string *entry_id)`
- `void set_allocated_media_id (std::string *media_id)`
- `void set_allocated_name (std::string *name)`
- `void set_allocated_notes (std::string *notes)`
- `void set_allocated_source (std::string *source)`
- `void set_allocated_subject_id (std::string *subject_id)`
- `void set_allocated_templates (std::string *templates)`
- `void set_allocated_tracklets (std::string *tracklets)`
- `template<typename ArgT0 = const std::string&, typename... ArgT>`
`void set_entry_id (ArgT0 &&arg0, ArgT... args)`
- `template<typename ArgT0 , typename... ArgT>`
`PROTOBUF_ALWAYS_INLINE void set_entry_id (ArgT0 &&arg0, ArgT... args)`
- `void set_entry_type (::briar::EntryType value)`
- `template<typename ArgT0 = const std::string&, typename... ArgT>`
`void set_media_id (ArgT0 &&arg0, ArgT... args)`

- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_media_id** (ArgT0 &&arg0, ArgT... args)
- void **set_modality** (::briar::BiometricModality value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_name** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_name** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_notes** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_notes** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_source** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_source** (ArgT0 &&arg0, ArgT... args)
- void **set_source_id** (int index, const char *value)
- void **set_source_id** (int index, const char *value, size_t size)
- void **set_source_id** (int index, const std::string &value)
- void **set_source_id** (int index, std::string &&value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_subject_id** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_subject_id** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_templates** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_templates** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void **set_tracklets** (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void **set_tracklets** (ArgT0 &&arg0, ArgT... args)
- const std::string & **source** () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & **source_id** () const
- const std::string & **source_id** (int index) const
- int **source_id_size** () const
- const std::string & **subject_id** () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > & **subject_previews** () const
- int **subject_previews_size** () const
- void **Swap** (Record *other)
- const std::string & **templates** () const
- const std::string & **tracklets** () const
- ::briar::BriarDatabase * **unsafe_arena_release_database_id** ()
- ::briar::Detection * **unsafe_arena_release_detection** ()
- void **unsafe_arena_set_allocated_database_id** (::briar::BriarDatabase *database_id)
- void **unsafe_arena_set_allocated_detection** (::briar::Detection *detection)
- void **UnsafeArenaSwap** (Record *other)
- ~**Record** () override

Static Public Member Functions

- static const Record & **default_instance** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **descriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * **GetDescriptor** ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * **GetReflection** ()
- static const Record * **internal_default_instance** ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [Record \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2proto
- void [swap \(Record &a, Record &b\)](#)

7.263.1 Member Enumeration Documentation

7.263.1.1 anonymous enum

anonymous enum : int

Enumerator

kSourceIdFieldNumber	
kMediaPreviewsFieldNumber	
kSubjectPreviewsFieldNumber	
kAttributesFieldNumber	
kEntryIdFieldNumber	
kSubjectIdFieldNumber	
kNameFieldNumber	
kAlgorithmFieldNumber	
kNotesFieldNumber	
kTemplatesFieldNumber	
kTrackletsFieldNumber	
kSourceFieldNumber	
kMediaIdFieldNumber	
kDatabaseIdFieldNumber	
kDetectionFieldNumber	
kEntryTypeFieldNumber	
kModalityFieldNumber	

7.263.2 Constructor & Destructor Documentation

7.263.2.1 Record() [1/5]

```
briar::Record::Record ( ) [inline]
```

7.263.2.2 ~Record()

```
briar::Record::~Record ( ) [override]
```

7.263.2.3 Record() [2/5]

```
PROTOBUF_CONSTEXPR briar::Record::Record ( : :PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.263.2.4 Record() [3/5]

```
briar::Record::Record ( const Record & from )
```

7.263.2.5 Record() [4/5]

```
briar::Record::Record ( Record && from ) [inline], [noexcept]
```

7.263.2.6 Record() [5/5]

```
briar::Record::Record ( : :PROTOBUF_NAMESPACE_ID::Arena * arena, bool is_message_owned = false ) [explicit], [protected]
```

7.263.3 Member Function Documentation

7.263.3.1 `_InternalParse()`

```
const char * briar::Record::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.263.3.2 `_InternalSerialize()`

```
uint8_t * briar::Record::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.263.3.3 `add_attributes()`

```
briar::Attribute * briar::Record::add_attributes () [inline]
```

7.263.3.4 `add_source_id() [1/5]`

```
std::string * briar::Record::add_source_id () [inline]
```

7.263.3.5 `add_source_id() [2/5]`

```
void briar::Record::add_source_id (
    const char * value ) [inline]
```

7.263.3.6 `add_source_id() [3/5]`

```
void briar::Record::add_source_id (
    const char * value,
    size_t size ) [inline]
```

7.263.3.7 `add_source_id() [4/5]`

```
void briar::Record::add_source_id (
    const std::string & value ) [inline]
```

7.263.3.8 add_source_id() [5/5]

```
void briar::Record::add_source_id (
    std::string && value )  [inline]
```

7.263.3.9 algorithm()

```
const std::string & briar::Record::algorithm () const  [inline]
```

7.263.3.10 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::Record::attributes
() const  [inline]
```

7.263.3.11 attributes() [2/2]

```
const ::briar::Attribute & briar::Record::attributes (
    int index ) const  [inline]
```

7.263.3.12 attributes_size()

```
int briar::Record::attributes_size () const  [inline]
```

7.263.3.13 ByteSizeLong()

```
size_t briar::Record::ByteSizeLong () const  [final]
```

7.263.3.14 Clear()

```
void briar::Record::Clear ()  [final]
```

7.263.3.15 clear_algorithm()

```
void briar::Record::clear_algorithm ( ) [inline]
```

7.263.3.16 clear_attributes()

```
void briar::Record::clear_attributes ( ) [inline]
```

7.263.3.17 clear_database_id()

```
void briar::Record::clear_database_id ( ) [inline]
```

7.263.3.18 clear_detection()

```
void briar::Record::clear_detection ( ) [inline]
```

7.263.3.19 clear_entry_id()

```
void briar::Record::clear_entry_id ( ) [inline]
```

7.263.3.20 clear_entry_type()

```
void briar::Record::clear_entry_type ( ) [inline]
```

7.263.3.21 clear_media_id()

```
void briar::Record::clear_media_id ( ) [inline]
```

7.263.3.22 clear_media_previews()

```
void briar::Record::clear_media_previews ( ) [inline]
```

7.263.3.23 clear_modality()

```
void briar::Record::clear_modality ( ) [inline]
```

7.263.3.24 clear_name()

```
void briar::Record::clear_name ( ) [inline]
```

7.263.3.25 clear_notes()

```
void briar::Record::clear_notes ( ) [inline]
```

7.263.3.26 clear_source()

```
void briar::Record::clear_source ( ) [inline]
```

7.263.3.27 clear_source_id()

```
void briar::Record::clear_source_id ( ) [inline]
```

7.263.3.28 clear_subject_id()

```
void briar::Record::clear_subject_id ( ) [inline]
```

7.263.3.29 clear_subject_previews()

```
void briar::Record::clear_subject_previews ( ) [inline]
```

7.263.3.30 clear_templates()

```
void briar::Record::clear_templates ( ) [inline]
```

7.263.3.31 clear_tracklets()

```
void briar::Record::clear_tracklets ( ) [inline]
```

7.263.3.32 CopyFrom()

```
void briar::Record::CopyFrom (
    const Record & from )
```

7.263.3.33 database_id()

```
const ::briar::BriarDatabase & briar::Record::database_id ( ) const [inline]
```

7.263.3.34 default_instance()

```
static const Record& briar::Record::default_instance ( ) [inline], [static]
```

7.263.3.35 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Record::descriptor ( ) [inline],
[static]
```

7.263.3.36 detection()

```
const ::briar::Detection & briar::Record::detection ( ) const [inline]
```

7.263.3.37 entry_id()

```
const std::string & briar::Record::entry_id ( ) const [inline]
```

7.263.3.38 entry_type()

```
briar::EntryType briar::Record::entry_type () const [inline]
```

7.263.3.39 GetCachedSize()

```
int briar::Record::GetCachedSize () const [inline], [final]
```

7.263.3.40 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Record::GetClassData () const [final]
```

7.263.3.41 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Record::GetDescriptor () [inline], [static]
```

7.263.3.42 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Record::GetMetadata () const [final]
```

7.263.3.43 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Record::GetReflection () [inline], [static]
```

7.263.3.44 has_database_id()

```
bool briar::Record::has_database_id () const [inline]
```

7.263.3.45 has_detection()

```
bool briar::Record::has_detection () const [inline]
```

7.263.3.46 internal_default_instance()

```
static const Record* briar::Record::internal_default_instance () [inline], [static]
```

7.263.3.47 IsInitialized()

```
bool briar::Record::IsInitialized () const [final]
```

7.263.3.48 media_id()

```
const std::string & briar::Record::media_id () const [inline]
```

7.263.3.49 media_previews()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > & briar::Record::media←
_previews () const [inline]
```

7.263.3.50 media_previews_size()

```
int briar::Record::media_previews_size () const [inline]
```

7.263.3.51 MergeFrom()

```
void briar::Record::MergeFrom (
    const Record & from )
```

7.263.3.52 modality()

```
briar::BiometricModality briar::Record::modality () const [inline]
```

7.263.3.53 mutable_algorithm()

```
std::string * briar::Record::mutable_algorithm () [inline]
```

7.263.3.54 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::Record::mutable_attributes () [inline]
```

7.263.3.55 mutable_attributes() [2/2]

```
briar::Attribute * briar::Record::mutable_attributes (int index) [inline]
```

7.263.3.56 mutable_database_id()

```
briar::BriarDatabase * briar::Record::mutable_database_id () [inline]
```

7.263.3.57 mutable_detection()

```
briar::Detection * briar::Record::mutable_detection () [inline]
```

7.263.3.58 mutable_entry_id()

```
std::string * briar::Record::mutable_entry_id () [inline]
```

7.263.3.59 mutable_media_id()

```
std::string * briar::Record::mutable_media_id ( ) [inline]
```

7.263.3.60 mutable_media_previews()

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > * briar::Record::mutable_media←
_previews ( ) [inline]
```

7.263.3.61 mutable_name()

```
std::string * briar::Record::mutable_name ( ) [inline]
```

7.263.3.62 mutable_notes()

```
std::string * briar::Record::mutable_notes ( ) [inline]
```

7.263.3.63 mutable_source()

```
std::string * briar::Record::mutable_source ( ) [inline]
```

7.263.3.64 mutable_source_id() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::Record::mutable_source_id ( )
[inline]
```

7.263.3.65 mutable_source_id() [2/2]

```
std::string * briar::Record::mutable_source_id (
    int index ) [inline]
```

7.263.3.66 mutable_subject_id()

```
std::string * briar::Record::mutable_subject_id ( ) [inline]
```

7.263.3.67 mutable_subject_previews()

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > * briar::Record::mutable_<--  
subject_previews ( ) [inline]
```

7.263.3.68 mutable_templates()

```
std::string * briar::Record::mutable_templates ( ) [inline]
```

7.263.3.69 mutable_tracklets()

```
std::string * briar::Record::mutable_tracklets ( ) [inline]
```

7.263.3.70 name()

```
const std::string & briar::Record::name ( ) const [inline]
```

7.263.3.71 New()

```
Record* briar::Record::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.263.3.72 notes()

```
const std::string & briar::Record::notes ( ) const [inline]
```

7.263.3.73 operator=() [1/2]

```
Record& briar::Record::operator= (
    const Record & from ) [inline]
```

7.263.3.74 operator=() [2/2]

```
Record& briar::Record::operator= (
    Record && from ) [inline], [noexcept]
```

7.263.3.75 release_algorithm()

```
std::string * briar::Record::release_algorithm () [inline]
```

7.263.3.76 release_database_id()

```
briar::BriarDatabase * briar::Record::release_database_id () [inline]
```

7.263.3.77 release_detection()

```
briar::Detection * briar::Record::release_detection () [inline]
```

7.263.3.78 release_entry_id()

```
std::string * briar::Record::release_entry_id () [inline]
```

7.263.3.79 release_media_id()

```
std::string * briar::Record::release_media_id () [inline]
```

7.263.3.80 release_name()

```
std::string * briar::Record::release_name ( ) [inline]
```

7.263.3.81 release_notes()

```
std::string * briar::Record::release_notes ( ) [inline]
```

7.263.3.82 release_source()

```
std::string * briar::Record::release_source ( ) [inline]
```

7.263.3.83 release_subject_id()

```
std::string * briar::Record::release_subject_id ( ) [inline]
```

7.263.3.84 release_templates()

```
std::string * briar::Record::release_templates ( ) [inline]
```

7.263.3.85 release_tracklets()

```
std::string * briar::Record::release_tracklets ( ) [inline]
```

7.263.3.86 set_algorithm() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_algorithm (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.87 set_algorithm() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_algorithm (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.88 set_allocated_algorithm()

```
void briar::Record::set_allocated_algorithm (
    std::string * algorithm ) [inline]
```

7.263.3.89 set_allocated_database_id()

```
void briar::Record::set_allocated_database_id (
    ::briar::BriarDatabase * database_id ) [inline]
```

7.263.3.90 set_allocated_detection()

```
void briar::Record::set_allocated_detection (
    ::briar::Detection * detection ) [inline]
```

7.263.3.91 set_allocated_entry_id()

```
void briar::Record::set_allocated_entry_id (
    std::string * entry_id ) [inline]
```

7.263.3.92 set_allocated_media_id()

```
void briar::Record::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.263.3.93 set_allocated_name()

```
void briar::Record::set_allocated_name (
    std::string * name ) [inline]
```

7.263.3.94 set_allocated_notes()

```
void briar::Record::set_allocated_notes (
    std::string * notes ) [inline]
```

7.263.3.95 set_allocated_source()

```
void briar::Record::set_allocated_source (
    std::string * source ) [inline]
```

7.263.3.96 set_allocated_subject_id()

```
void briar::Record::set_allocated_subject_id (
    std::string * subject_id ) [inline]
```

7.263.3.97 set_allocated_templates()

```
void briar::Record::set_allocated_templates (
    std::string * templates ) [inline]
```

7.263.3.98 set_allocated_tracklets()

```
void briar::Record::set_allocated_tracklets (
    std::string * tracklets ) [inline]
```

7.263.3.99 set_entry_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_entry_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.100 set_entry_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_entry_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.101 set_entry_type()

```
void briar::Record::set_entry_type (
    ::briar::EntryType value ) [inline]
```

7.263.3.102 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.103 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.104 set_modality()

```
void briar::Record::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.263.3.105 set_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.106 set_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.107 set_notes() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_notes (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.108 set_notes() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_notes (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.109 set_source() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_source (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.110 set_source() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_source (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.111 set_source_id() [1/4]

```
void briar::Record::set_source_id (
    int index,
    const char * value ) [inline]
```

7.263.3.112 set_source_id() [2/4]

```
void briar::Record::set_source_id (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.263.3.113 set_source_id() [3/4]

```
void briar::Record::set_source_id (
    int index,
    const std::string & value ) [inline]
```

7.263.3.114 set_source_id() [4/4]

```
void briar::Record::set_source_id (
    int index,
    std::string && value ) [inline]
```

7.263.3.115 set_subject_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_subject_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.116 set_subject_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_subject_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.117 set_templates() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_templates (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.118 set_templates() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_templates (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.119 set_tracklets() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Record::set_tracklets (
    ArgT0 && arg0,
    ArgT... args )
```

7.263.3.120 set_tracklets() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Record::set_tracklets (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.263.3.121 source()

```
const std::string & briar::Record::source () const [inline]
```

7.263.3.122 source_id() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::Record::source_id ()
const [inline]
```

7.263.3.123 source_id() [2/2]

```
const std::string & briar::Record::source_id (
    int index ) const [inline]
```

7.263.3.124 source_id_size()

```
int briar::Record::source_id_size () const [inline]
```

7.263.3.125 subject_id()

```
const std::string & briar::Record::subject_id () const [inline]
```

7.263.3.126 subject_previews()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::BriarMedia > & briar::Record::subject_previews () const [inline]
```

7.263.3.127 subject_previews_size()

```
int briar::Record::subject_previews_size () const [inline]
```

7.263.3.128 Swap()

```
void briar::Record::Swap (
    Record * other ) [inline]
```

7.263.3.129 templates()

```
const std::string & briar::Record::templates () const [inline]
```

7.263.3.130 tracklets()

```
const std::string & briar::Record::tracklets () const [inline]
```

7.263.3.131 `unsafe_arena_release_database_id()`

```
briar::BriarDatabase * briar::Record::unsafe_arena_release_database_id ( ) [inline]
```

7.263.3.132 `unsafe_arena_release_detection()`

```
briar::Detection * briar::Record::unsafe_arena_release_detection ( ) [inline]
```

7.263.3.133 `unsafe_arena_set_allocated_database_id()`

```
void briar::Record::unsafe_arena_set_allocated_database_id (
    ::briar::BriarDatabase * database_id ) [inline]
```

7.263.3.134 `unsafe_arena_set_allocated_detection()`

```
void briar::Record::unsafe_arena_set_allocated_detection (
    ::briar::Detection * detection ) [inline]
```

7.263.3.135 `UnsafeArenaSwap()`

```
void briar::Record::UnsafeArenaSwap (
    Record * other ) [inline]
```

7.263.4 Friends And Related Function Documentation

7.263.4.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.263.4.2 `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.263.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.263.4.4 swap

```
void swap (
    Record & a,
    Record & b ) [friend]
```

7.263.5 Member Data Documentation

7.263.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Record::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    Record::MergeImpl
}
```

7.263.5.2 kIndexInFileMessages

```
constexpr int briar::Record::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 31
```

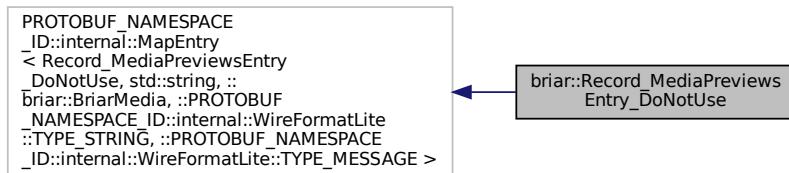
The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

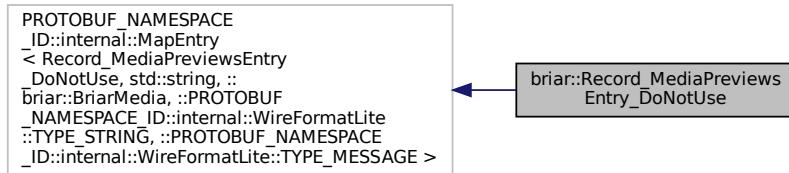
7.264 briar::Record_MediaPreviewsEntry_DoNotUse Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Record_MediaPreviewsEntry_DoNotUse:



Collaboration diagram for briar::Record_MediaPreviewsEntry_DoNotUse:



Public Types

- typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry< Record_MediaPreviewsEntry_DoNotUse, std::string, ::briar::BriarMedia, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE > SuperType

Public Member Functions

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [Record_MediaPreviewsEntry_DoNotUse](#) &other)
- [Record_MediaPreviewsEntry_DoNotUse](#) ()
- [Record_MediaPreviewsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena)
- PROTOBUF_CONSTEXPR [Record_MediaPreviewsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)

Static Public Member Functions

- static const [Record_MediaPreviewsEntry_DoNotUse](#) * [internal_default_instance](#) ()
- static bool [ValidateKey](#) (std::string *s)
- static bool [ValidateValue](#) (void *)

Friends

- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

7.264.1 Member Typedef Documentation

7.264.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<Record_MediaPreviewsEntry_DoNotUse, std::string, ::briar::BriarMedia, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::Record_MediaPreviewsEntry_DoNotUse::S
```

7.264.2 Constructor & Destructor Documentation

7.264.2.1 Record_MediaPreviewsEntry_DoNotUse() [1/3]

```
briar::Record_MediaPreviewsEntry_DoNotUse::Record_MediaPreviewsEntry_DoNotUse()
```

7.264.2.2 Record_MediaPreviewsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::Record_MediaPreviewsEntry_DoNotUse::Record_MediaPreviewsEntry_DoNotUse()
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.264.2.3 Record_MediaPreviewsEntry_DoNotUse() [3/3]

```
briar::Record_MediaPreviewsEntry_DoNotUse::Record_MediaPreviewsEntry_DoNotUse(
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.264.3 Member Function Documentation

7.264.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Record_MediaPreviewsEntry_DoNotUse::GetMetadata ( )
const [final]
```

7.264.3.2 internal_default_instance()

```
static const Record_MediaPreviewsEntry_DoNotUse* briar::Record_MediaPreviewsEntry_DoNotUse<-->
::internal_default_instance ( ) [inline], [static]
```

7.264.3.3 MergeFrom()

```
void briar::Record_MediaPreviewsEntry_DoNotUse::MergeFrom (
    const Record_MediaPreviewsEntry_DoNotUse & other )
```

7.264.3.4 ValidateKey()

```
static bool briar::Record_MediaPreviewsEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.264.3.5 ValidateValue()

```
static bool briar::Record_MediaPreviewsEntry_DoNotUse::ValidateValue (
    void * ) [inline], [static]
```

7.264.4 Friends And Related Function Documentation

7.264.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

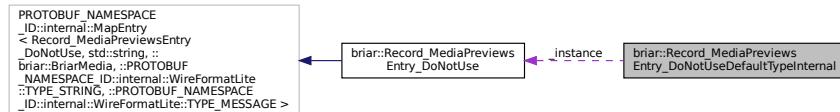
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.265 briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal ()
- [~Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [Record_MediaPreviewsEntry_DoNotUse _instance](#)
};

7.265.1 Constructor & Destructor Documentation

7.265.1.1 Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.265.1.2 ~Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal()

```
briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal::~Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.265.2 Member Data Documentation

7.265.2.1

```
union { ... }
```

7.265.2.2 _instance

```
Record_MediaPreviewsEntry_DoNotUse briar::Record_MediaPreviewsEntry_DoNotUseDefaultType<-
Internal::_instance
```

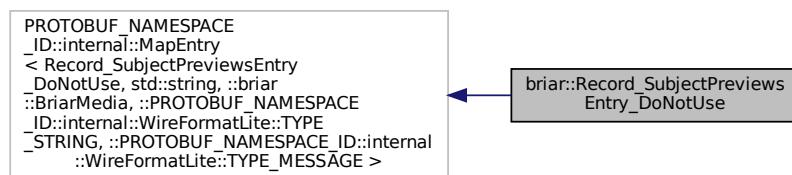
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

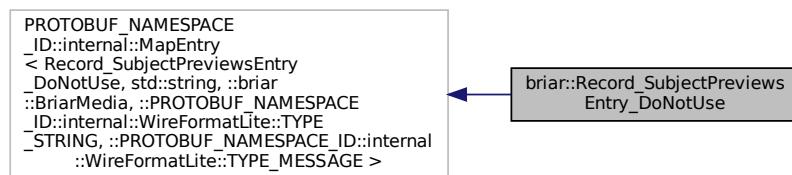
7.266 briar::Record_SubjectPreviewsEntry_DoNotUse Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Record_SubjectPreviewsEntry_DoNotUse:



Collaboration diagram for briar::Record_SubjectPreviewsEntry_DoNotUse:



Public Types

- `typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry< Record_SubjectPreviewsEntry_DoNotUse, std::string, ::briar::BriarMedia, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE > SuperType`

Public Member Functions

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [Record_SubjectPreviewsEntry_DoNotUse](#) &other)
- [Record_SubjectPreviewsEntry_DoNotUse](#) ()
- [Record_SubjectPreviewsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena)
- PROTOBUF_CONSTEXPR [Record_SubjectPreviewsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)

Static Public Member Functions

- static const [Record_SubjectPreviewsEntry_DoNotUse](#) * [internal_default_instance](#) ()
- static bool [ValidateKey](#) (std::string *s)
- static bool [ValidateValue](#) (void *)

Friends

- struct [::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto](#)

7.266.1 Member Typedef Documentation

7.266.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<Record\_SubjectPreviewsEntry\_DoNotUse,
std::string, ::briar::BriarMedia, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_←
STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::Record\_SubjectPreviewsEntry\_DoNotUse
```

7.266.2 Constructor & Destructor Documentation

7.266.2.1 Record_SubjectPreviewsEntry_DoNotUse() [1/3]

```
briar::Record_SubjectPreviewsEntry_DoNotUse::Record_SubjectPreviewsEntry_DoNotUse ( )
```

7.266.2.2 Record_SubjectPreviewsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::Record_SubjectPreviewsEntry_DoNotUse::Record_SubjectPreviewsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.266.2.3 Record_SubjectPreviewsEntry_DoNotUse() [3/3]

```
briar::Record_SubjectPreviewsEntry_DoNotUse::Record_SubjectPreviewsEntry_DoNotUse (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena )  [explicit]
```

7.266.3 Member Function Documentation

7.266.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Record_SubjectPreviewsEntry_DoNotUse::GetMetadata ( )  
const  [final]
```

7.266.3.2 internal_default_instance()

```
static const Record_SubjectPreviewsEntry_DoNotUse* briar::Record_SubjectPreviewsEntry_DoNotUse::internal_default_instance ( )  [inline], [static]
```

7.266.3.3 MergeFrom()

```
void briar::Record_SubjectPreviewsEntry_DoNotUse::MergeFrom (   
    const Record_SubjectPreviewsEntry_DoNotUse & other )
```

7.266.3.4 ValidateKey()

```
static bool briar::Record_SubjectPreviewsEntry_DoNotUse::ValidateKey (   
    std::string * s )  [inline], [static]
```

7.266.3.5 ValidateValue()

```
static bool briar::Record_SubjectPreviewsEntry_DoNotUse::ValidateValue (   
    void *  )  [inline], [static]
```

7.266.4 Friends And Related Function Documentation

7.266.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

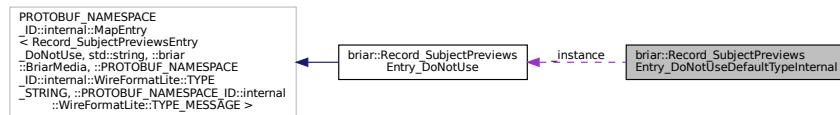
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.267 briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal ()
- ~Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal ()

Public Attributes

- union {
 Record_SubjectPreviewsEntry_DoNotUse _instance
 };

7.267.1 Constructor & Destructor Documentation

7.267.1.1 Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.267.1.2 ~Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal()

```
briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal::~Record_SubjectPreviewsEntryDoNotUseDefaultTypeInternal ( ) [inline]
```

7.267.2 Member Data Documentation

7.267.2.1

```
union { ... }
```

7.267.2.2 _instance

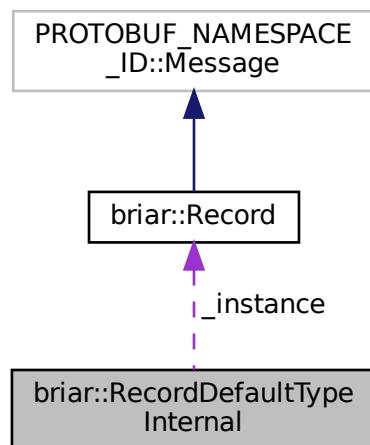
```
Record_SubjectPreviewsEntry_DoNotUse briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.268 briar::RecordDefaultTypeInternal Struct Reference

Collaboration diagram for briar::RecordDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR RecordDefaultTypeInternal ()
- ~RecordDefaultTypeInternal ()

Public Attributes

- union {
 Record _instance
};

7.268.1 Constructor & Destructor Documentation

7.268.1.1 RecordDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::RecordDefaultTypeInternal::RecordDefaultTypeInternal ( ) [inline]
```

7.268.1.2 ~RecordDefaultTypeInternal()

```
briar::RecordDefaultTypeInternal::~RecordDefaultTypeInternal ( ) [inline]
```

7.268.2 Member Data Documentation

7.268.2.1

```
union { ... }
```

7.268.2.2 _instance

```
Record briar::RecordDefaultTypeInternal::_instance
```

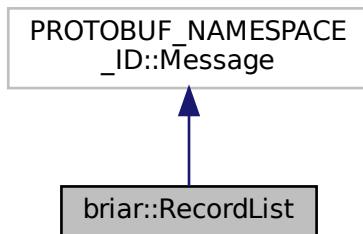
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

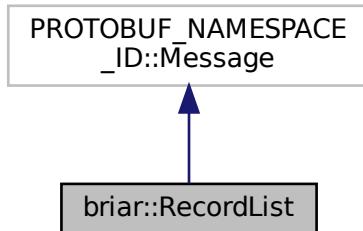
7.269 briar::RecordList Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::RecordList:



Collaboration diagram for briar::RecordList:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kRecordsFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Record * [add_records](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_records](#) ()
- void [CopyFrom](#) (const RecordList &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const RecordList &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Record > * [mutable_records](#) ()
- ::briar::Record * [mutable_records](#) (int index)
- RecordList * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- RecordList & [operator=](#) (const RecordList &from)
- RecordList & [operator=](#) (RecordList &&from) noexcept
- RecordList ()
- PROTOBUF_CONSTEXPR RecordList (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- RecordList (const RecordList &from)
- RecordList (RecordList &&from) noexcept
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Record > & [records](#) () const
- const ::briar::Record & [records](#) (int index) const
- int [records_size](#) () const
- void [Swap](#) (RecordList *other)
- void [UnsafeArenaSwap](#) (RecordList *other)
- [~RecordList](#) () override

Static Public Member Functions

- static const RecordList & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const RecordList * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)_
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- RecordList (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void swap (RecordList &a, RecordList &b)

7.269.1 Member Enumeration Documentation

7.269.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kRecordsFieldNumber	
---------------------	--

7.269.2 Constructor & Destructor Documentation

7.269.2.1 RecordList() [1/5]

```
briar::RecordList::RecordList ( ) [inline]
```

7.269.2.2 ~RecordList()

```
briar::RecordList::~RecordList ( ) [override]
```

7.269.2.3 RecordList() [2/5]

```
PROTOBUF_CONSTEXPR briar::RecordList::RecordList ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.269.2.4 RecordList() [3/5]

```
briar::RecordList::RecordList (
    const RecordList & from )
```

7.269.2.5 RecordList() [4/5]

```
briar::RecordList::RecordList (
    RecordList && from ) [inline], [noexcept]
```

7.269.2.6 RecordList() [5/5]

```
briar::RecordList::RecordList (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.269.3 Member Function Documentation

7.269.3.1 _InternalParse()

```
const char * briar::RecordList::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.269.3.2 _InternalSerialize()

```
uint8_t * briar::RecordList::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.269.3.3 add_records()

```
briar::Record * briar::RecordList::add_records ( ) [inline]
```

7.269.3.4 ByteSizeLong()

```
size_t briar::RecordList::ByteSizeLong ( ) const [final]
```

7.269.3.5 Clear()

```
void briar::RecordList::Clear ( ) [final]
```

7.269.3.6 clear_records()

```
void briar::RecordList::clear_records ( ) [inline]
```

7.269.3.7 CopyFrom()

```
void briar::RecordList::CopyFrom (
    const RecordList & from )
```

7.269.3.8 default_instance()

```
static const RecordList& briar::RecordList::default_instance ( ) [inline], [static]
```

7.269.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::RecordList::descriptor ( ) [inline],
[static]
```

7.269.3.10 GetCachedSize()

```
int briar::RecordList::GetCachedSize ( ) const [inline], [final]
```

7.269.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::RecordList::GetClassData ( ) const  
[final]
```

7.269.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::RecordList::GetDescriptor ( ) [inline],  
[static]
```

7.269.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::RecordList::GetMetadata ( ) const [final]
```

7.269.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::RecordList::GetReflection ( ) [inline],  
[static]
```

7.269.3.15 internal_default_instance()

```
static const RecordList* briar::RecordList::internal_default_instance ( ) [inline], [static]
```

7.269.3.16 IsInitialized()

```
bool briar::RecordList::IsInitialized ( ) const [final]
```

7.269.3.17 MergeFrom()

```
void briar::RecordList::MergeFrom (   
    const RecordList & from )
```

7.269.3.18 mutable_records() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Record> * briar::RecordList::mutable_records  
( ) [inline]
```

7.269.3.19 mutable_records() [2/2]

```
briar::Record * briar::RecordList::mutable_records (int index) [inline]
```

7.269.3.20 New()

```
RecordList* briar::RecordList::New (::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.269.3.21 operator=() [1/2]

```
RecordList& briar::RecordList::operator= (const RecordList & from) [inline]
```

7.269.3.22 operator=() [2/2]

```
RecordList& briar::RecordList::operator= (RecordList && from) [inline], [noexcept]
```

7.269.3.23 records() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Record> & briar::RecordList::records ( ) const [inline]
```

7.269.3.24 records() [2/2]

```
const ::briar::Record & briar::RecordList::records (int index) const [inline]
```

7.269.3.25 records_size()

```
int briar::RecordList::records_size ( ) const [inline]
```

7.269.3.26 Swap()

```
void briar::RecordList::Swap (
    RecordList * other ) [inline]
```

7.269.3.27 UnsafeArenaSwap()

```
void briar::RecordList::UnsafeArenaSwap (
    RecordList * other ) [inline]
```

7.269.4 Friends And Related Function Documentation**7.269.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.269.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.269.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.269.4.4 swap

```
void swap (
    RecordList & a,
    RecordList & b ) [friend]
```

7.269.5 Member Data Documentation

7.269.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::RecordList::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    RecordList::MergeImpl
}
```

7.269.5.2 `kIndexInFileMessages`

```
constexpr int briar::RecordList::kIndexInFileMessages [static], [constexpr]
```

Initial value:

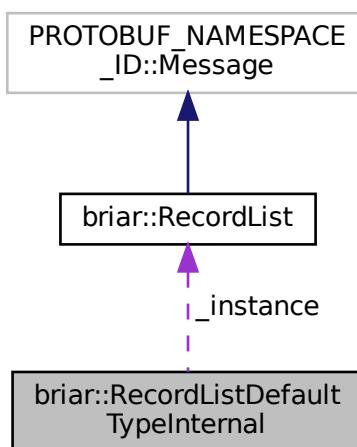
```
= 32
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.270 briar::RecordListDefaultTypeInternal Struct Reference

Collaboration diagram for briar::RecordListDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR RecordListDefaultTypeInternal ()
- ~RecordListDefaultTypeInternal ()

Public Attributes

- union {
 RecordList _instance
};

7.270.1 Constructor & Destructor Documentation

7.270.1.1 RecordListDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::RecordListDefaultTypeInternal::RecordListDefaultTypeInternal ( )  
[inline]
```

7.270.1.2 ~RecordListDefaultTypeInternal()

```
briar::RecordListDefaultTypeInternal::~RecordListDefaultTypeInternal ( ) [inline]
```

7.270.2 Member Data Documentation

7.270.2.1

```
union { ... }
```

7.270.2.2 _instance

```
RecordList briar::RecordListDefaultTypeInternal::_instance
```

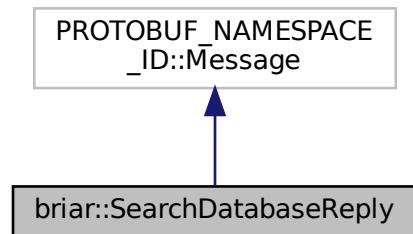
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

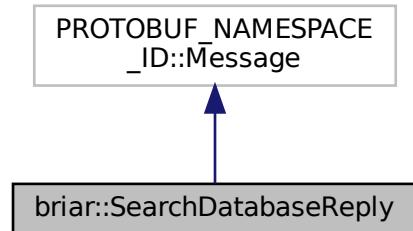
7.271 briar::SearchDatabaseReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::SearchDatabaseReply:



Collaboration diagram for briar::SearchDatabaseReply:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kSimilaritiesFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 3 , [kErrorsFieldNumber](#) = 6 , [kProgressFieldNumber](#) = 7 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::BriarDurations * [add_durations](#) ()
- ::briar::SearchMatchList * [add_similarities](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_progress](#) ()
- void [clear_similarities](#) ()
- void [CopyFrom](#) (const [SearchDatabaseReply](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDurations > & [durations](#) () const
- const ::briar::BriarDurations & [durations](#) (int index) const
- int [durations_size](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_errors](#) () const
- bool [has_progress](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [SearchDatabaseReply](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarDurations > * [mutable_durations](#) ()
- ::briar::BriarDurations * [mutable_durations](#) (int index)
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::BriarProgress * [mutable_progress](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchList > * [mutable_similarities](#) ()
- ::briar::SearchMatchList * [mutable_similarities](#) (int index)
- [SearchDatabaseReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [SearchDatabaseReply](#) & [operator=](#) (const [SearchDatabaseReply](#) &from)
- [SearchDatabaseReply](#) & [operator=](#) ([SearchDatabaseReply](#) &&from) noexcept
- const ::briar::BriarProgress & [progress](#) () const
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * [release_progress](#) ()
- [SearchDatabaseReply](#) ()
- PROTOBUF_CONSTEXPR [SearchDatabaseReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- [SearchDatabaseReply](#) (const [SearchDatabaseReply](#) &from)
- [SearchDatabaseReply](#) ([SearchDatabaseReply](#) &&from) noexcept
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_allocated_progress](#) (::briar::BriarProgress *progress)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchList > & [similarities](#) () const
- const ::briar::SearchMatchList & [similarities](#) (int index) const
- int [similarities_size](#) () const
- void [Swap](#) ([SearchDatabaseReply](#) *other)
- ::briar::BriarErrors * [unsafe_arena_release_errors](#) ()
- ::briar::BriarProgress * [unsafe_arena_release_progress](#) ()
- void [unsafe_arena_set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [unsafe_arena_set_allocated_progress](#) (::briar::BriarProgress *progress)
- void [UnsafeArenaSwap](#) ([SearchDatabaseReply](#) *other)
- ~[SearchDatabaseReply](#) () override

Static Public Member Functions

- static const `SearchDatabaseReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `SearchDatabaseReply * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `SearchDatabaseReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot`
- void `swap (SearchDatabaseReply &a, SearchDatabaseReply &b)`

7.271.1 Member Enumeration Documentation

7.271.1.1 anonymous enum

anonymous enum : int

Enumerator

<code>kSimilaritiesFieldNumber</code>	
<code>kDurationsFieldNumber</code>	
<code>kErrorsFieldNumber</code>	
<code>kProgressFieldNumber</code>	

7.271.2 Constructor & Destructor Documentation

7.271.2.1 SearchDatabaseReply() [1/5]

```
briar::SearchDatabaseReply::SearchDatabaseReply ( ) [inline]
```

7.271.2.2 ~SearchDatabaseReply()

```
briar::SearchDatabaseReply::~SearchDatabaseReply ( ) [override]
```

7.271.2.3 SearchDatabaseReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchDatabaseReply::SearchDatabaseReply ( 
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.271.2.4 SearchDatabaseReply() [3/5]

```
briar::SearchDatabaseReply::SearchDatabaseReply ( 
    const SearchDatabaseReply & from )
```

7.271.2.5 SearchDatabaseReply() [4/5]

```
briar::SearchDatabaseReply::SearchDatabaseReply ( 
    SearchDatabaseReply && from ) [inline], [noexcept]
```

7.271.2.6 SearchDatabaseReply() [5/5]

```
briar::SearchDatabaseReply::SearchDatabaseReply ( 
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.271.3 Member Function Documentation

7.271.3.1 `_InternalParse()`

```
const char * briar::SearchDatabaseReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.271.3.2 `_InternalSerialize()`

```
uint8_t * briar::SearchDatabaseReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.271.3.3 `add_durations()`

```
briar::BriarDurations * briar::SearchDatabaseReply::add_durations () [inline]
```

7.271.3.4 `add_similarities()`

```
briar::SearchMatchList * briar::SearchDatabaseReply::add_similarities () [inline]
```

7.271.3.5 `ByteSizeLong()`

```
size_t briar::SearchDatabaseReply::ByteSizeLong () const [final]
```

7.271.3.6 `Clear()`

```
void briar::SearchDatabaseReply::Clear () [final]
```

7.271.3.7 `clear_durations()`

```
void briar::SearchDatabaseReply::clear_durations ()
```

7.271.3.8 clear_errors()

```
void briar::SearchDatabaseReply::clear_errors ( )
```

7.271.3.9 clear_progress()

```
void briar::SearchDatabaseReply::clear_progress ( )
```

7.271.3.10 clear_similarities()

```
void briar::SearchDatabaseReply::clear_similarities ( )
```

7.271.3.11 CopyFrom()

```
void briar::SearchDatabaseReply::CopyFrom (
    const SearchDatabaseReply & from )
```

7.271.3.12 default_instance()

```
static const SearchDatabaseReply& briar::SearchDatabaseReply::default_instance ( ) [inline],  
[static]
```

7.271.3.13 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchDatabaseReply::descriptor ( )  
[inline], [static]
```

7.271.3.14 durations() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDurations> & briar::SearchDatabaseReply::durations ( ) const [inline]
```

7.271.3.15 durations() [2/2]

```
const ::briar::BriarDurations & briar::SearchDatabaseReply::durations (
    int index ) const [inline]
```

7.271.3.16 durations_size()

```
int briar::SearchDatabaseReply::durations_size ( ) const [inline]
```

7.271.3.17 errors()

```
const ::briar::BriarErrors & briar::SearchDatabaseReply::errors ( ) const [inline]
```

7.271.3.18 GetCachedSize()

```
int briar::SearchDatabaseReply::GetCachedSize ( ) const [inline], [final]
```

7.271.3.19 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchDatabaseReply::GetClassData (
) const [final]
```

7.271.3.20 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchDatabaseReply::GetDescriptor (
) [inline], [static]
```

7.271.3.21 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchDatabaseReply::GetMetadata ( ) const [final]
```

7.271.3.22 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchDatabaseReply::GetReflection( ) [inline], [static]
```

7.271.3.23 has_errors()

```
bool briar::SearchDatabaseReply::has_errors( ) const [inline]
```

7.271.3.24 has_progress()

```
bool briar::SearchDatabaseReply::has_progress( ) const [inline]
```

7.271.3.25 internal_default_instance()

```
static const SearchDatabaseReply* briar::SearchDatabaseReply::internal_default_instance( ) [inline], [static]
```

7.271.3.26 IsInitialized()

```
bool briar::SearchDatabaseReply::IsInitialized( ) const [final]
```

7.271.3.27 MergeFrom()

```
void briar::SearchDatabaseReply::MergeFrom( const SearchDatabaseReply & from )
```

7.271.3.28 mutable_durations() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarDurations> * briar::SearchDatabaseReply::mutable_durations( ) [inline]
```

7.271.3.29 mutable_durations() [2/2]

```
briar::BriarDurations * briar::SearchDatabaseReply::mutable_durations (
    int index ) [inline]
```

7.271.3.30 mutable_errors()

```
briar::BriarErrors * briar::SearchDatabaseReply::mutable_errors ( ) [inline]
```

7.271.3.31 mutable_progress()

```
briar::BriarProgress * briar::SearchDatabaseReply::mutable_progress ( ) [inline]
```

7.271.3.32 mutable_similarities() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchList> * briar::SearchDatabaseReply::mutable_similarities ( ) [inline]
```

7.271.3.33 mutable_similarities() [2/2]

```
briar::SearchMatchList * briar::SearchDatabaseReply::mutable_similarities (
    int index ) [inline]
```

7.271.3.34 New()

```
SearchDatabaseReply* briar::SearchDatabaseReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.271.3.35 operator=() [1/2]

```
SearchDatabaseReply& briar::SearchDatabaseReply::operator= (
    const SearchDatabaseReply & from ) [inline]
```

7.271.3.36 operator=() [2/2]

```
SearchDatabaseReply& briar::SearchDatabaseReply::operator= (
    SearchDatabaseReply && from ) [inline], [noexcept]
```

7.271.3.37 progress()

```
const ::briar::BriarProgress & briar::SearchDatabaseReply::progress () const [inline]
```

7.271.3.38 release_errors()

```
briar::BriarErrors * briar::SearchDatabaseReply::release_errors () [inline]
```

7.271.3.39 release_progress()

```
briar::BriarProgress * briar::SearchDatabaseReply::release_progress () [inline]
```

7.271.3.40 set_allocated_errors()

```
void briar::SearchDatabaseReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.271.3.41 set_allocated_progress()

```
void briar::SearchDatabaseReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.271.3.42 similarities() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchList> & briar::SearchDatabaseReply::similarities () const [inline]
```

7.271.3.43 similarities() [2/2]

```
const ::briar::SearchMatchList & briar::SearchDatabaseReply::similarities (
    int index ) const [inline]
```

7.271.3.44 similarities_size()

```
int briar::SearchDatabaseReply::similarities_size ( ) const [inline]
```

7.271.3.45 Swap()

```
void briar::SearchDatabaseReply::Swap (
    SearchDatabaseReply * other ) [inline]
```

7.271.3.46 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::SearchDatabaseReply::unsafe_arena_release_errors ( ) [inline]
```

7.271.3.47 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::SearchDatabaseReply::unsafe_arena_release_progress ( ) [inline]
```

7.271.3.48 unsafe_arena_set_allocated_errors()

```
void briar::SearchDatabaseReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.271.3.49 unsafe_arena_set_allocated_progress()

```
void briar::SearchDatabaseReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.271.3.50 UnsafeArenaSwap()

```
void briar::SearchDatabaseReply::UnsafeArenaSwap (
    SearchDatabaseReply * other ) [inline]
```

7.271.4 Friends And Related Function Documentation

7.271.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.271.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.271.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.271.4.4 swap

```
void swap (
    SearchDatabaseReply & a,
    SearchDatabaseReply & b ) [friend]
```

7.271.5 Member Data Documentation

7.271.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchDatabaseReply::_class_data_<-
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    SearchDatabaseReply::MergeImpl
}
```

7.271.5.2 kIndexInFileMessages

```
constexpr int briar::SearchDatabaseReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

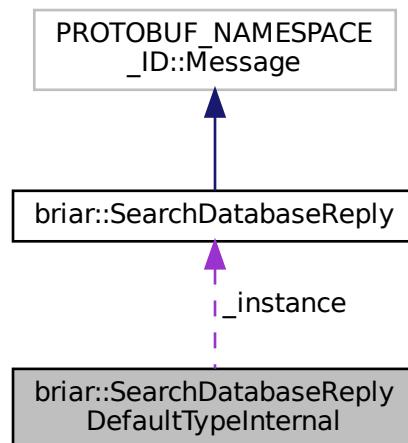
```
= 42
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.272 briar::SearchDatabaseReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchDatabaseReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchDatabaseReplyDefaultTypeInternal ()
- ~SearchDatabaseReplyDefaultTypeInternal ()

Public Attributes

- union {

 SearchDatabaseReply _instance

};

7.272.1 Constructor & Destructor Documentation

7.272.1.1 SearchDatabaseReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchDatabaseReplyDefaultTypeInternal::SearchDatabaseReplyDefault←  
TypeInternal ( ) [inline]
```

7.272.1.2 ~SearchDatabaseReplyDefaultTypeInternal()

```
briar::SearchDatabaseReplyDefaultTypeInternal::~SearchDatabaseReplyDefaultTypeInternal ( )  
[inline]
```

7.272.2 Member Data Documentation

7.272.2.1

```
union { ... }
```

7.272.2.2 _instance

```
SearchDatabaseReply briar::SearchDatabaseReplyDefaultTypeInternal::_instance
```

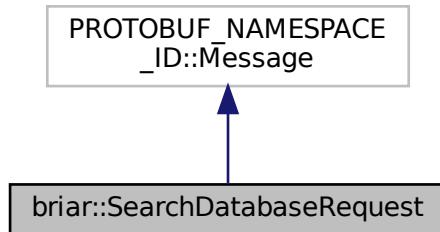
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

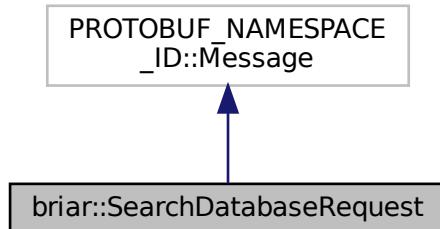
7.273 briar::SearchDatabaseRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::SearchDatabaseRequest:



Collaboration diagram for briar::SearchDatabaseRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kProbeEntryIdsFieldNumber = 12 , kDatabaseFieldNumber = 4 , kProbeDatabaseFieldNumber = 7 ,
 kDurationsFieldNumber = 8 ,
 kSearchOptionsFieldNumber = 11 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * [add_probe_entry_ids](#) ()
- void [add_probe_entry_ids](#) (const char *value)
- void [add_probe_entry_ids](#) (const char *value, size_t size)
- void [add_probe_entry_ids](#) (const std::string &value)
- void [add_probe_entry_ids](#) (std::string &&value)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_durations](#) ()
- void [clear_probe_database](#) ()
- void [clear_probe_entry_ids](#) ()
- void [clear_search_options](#) ()
- void [CopyFrom](#) (const SearchDatabaseRequest &from)
- const ::briar::BriarDatabase & [database](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_durations](#) () const
- bool [has_probe_database](#) () const
- bool [has_search_options](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const SearchDatabaseRequest &from)
- ::briar::BriarDatabase * [mutable_database](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarDatabase * [mutable_probe_database](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * [mutable_probe_entry_ids](#) ()
- std::string * [mutable_probe_entry_ids](#) (int index)
- ::briar::SearchOptions * [mutable_search_options](#) ()
- SearchDatabaseRequest * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- SearchDatabaseRequest & [operator=](#) (const SearchDatabaseRequest &from)
- SearchDatabaseRequest & [operator=](#) (SearchDatabaseRequest &&from) noexcept
- const ::briar::BriarDatabase & [probe_database](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & [probe_entry_ids](#) () const
- const std::string & [probe_entry_ids](#) (int index) const
- int [probe_entry_ids_size](#) () const
- PROTOBUF_NODISCARD ::briar::BriarDatabase * [release_database](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDatabase * [release_probe_database](#) ()
- PROTOBUF_NODISCARD ::briar::SearchOptions * [release_search_options](#) ()
- const ::briar::SearchOptions & [search_options](#) () const
- SearchDatabaseRequest ()
- PROTOBUF_CONSTEXPR SearchDatabaseRequest (<::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized>)
- SearchDatabaseRequest (const SearchDatabaseRequest &from)
- SearchDatabaseRequest (SearchDatabaseRequest &&from) noexcept
- void [set_allocated_database](#) (::briar::BriarDatabase *database)
- void [set_allocated_durations](#) (::briar::BriarDurations *durations)

- void `set_allocated_probe_database` (::briar::BriarDatabase *probe_database)
- void `set_allocated_search_options` (::briar::SearchOptions *search_options)
- void `set_probe_entry_ids` (int index, const char *value)
- void `set_probe_entry_ids` (int index, const char *value, size_t size)
- void `set_probe_entry_ids` (int index, const std::string &value)
- void `set_probe_entry_ids` (int index, std::string &&value)
- void `Swap` (SearchDatabaseRequest *other)
- ::briar::BriarDatabase * `unsafe_arena_release_database` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarDatabase * `unsafe_arena_release_probe_database` ()
- ::briar::SearchOptions * `unsafe_arena_release_search_options` ()
- void `unsafe_arena_set_allocated_database` (::briar::BriarDatabase *database)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *durations)
- void `unsafe_arena_set_allocated_probe_database` (::briar::BriarDatabase *probe_database)
- void `unsafe_arena_set_allocated_search_options` (::briar::SearchOptions *search_options)
- void `UnsafeArenaSwap` (SearchDatabaseRequest *other)
- `~SearchDatabaseRequest` () override

Static Public Member Functions

- static const `SearchDatabaseRequest & default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `SearchDatabaseRequest * internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `SearchDatabaseRequest` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void `swap` (SearchDatabaseRequest &a, SearchDatabaseRequest &b)

7.273.1 Member Enumeration Documentation

7.273.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kProbeEntryIdsFieldNumber	
kDatabaseFieldNumber	
kProbeDatabaseFieldNumber	
kDurationsFieldNumber	
kSearchOptionsFieldNumber	

7.273.2 Constructor & Destructor Documentation**7.273.2.1 SearchDatabaseRequest() [1/5]**

```
briar::SearchDatabaseRequest::SearchDatabaseRequest ( ) [inline]
```

7.273.2.2 ~SearchDatabaseRequest()

```
briar::SearchDatabaseRequest::~SearchDatabaseRequest ( ) [override]
```

7.273.2.3 SearchDatabaseRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchDatabaseRequest::SearchDatabaseRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.273.2.4 SearchDatabaseRequest() [3/5]

```
briar::SearchDatabaseRequest::SearchDatabaseRequest (
    const SearchDatabaseRequest & from )
```

7.273.2.5 SearchDatabaseRequest() [4/5]

```
briar::SearchDatabaseRequest::SearchDatabaseRequest (
    SearchDatabaseRequest && from ) [inline], [noexcept]
```

7.273.2.6 SearchDatabaseRequest() [5/5]

```
briar::SearchDatabaseRequest::SearchDatabaseRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.273.3 Member Function Documentation**7.273.3.1 _InternalParse()**

```
const char * briar::SearchDatabaseRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.273.3.2 _InternalSerialize()

```
uint8_t * briar::SearchDatabaseRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.273.3.3 add_probe_entry_ids() [1/5]

```
std::string * briar::SearchDatabaseRequest::add_probe_entry_ids ( ) [inline]
```

7.273.3.4 add_probe_entry_ids() [2/5]

```
void briar::SearchDatabaseRequest::add_probe_entry_ids (
    const char * value ) [inline]
```

7.273.3.5 add_probe_entry_ids() [3/5]

```
void briar::SearchDatabaseRequest::add_probe_entry_ids (
    const char * value,
    size_t size ) [inline]
```

7.273.3.6 add_probe_entry_ids() [4/5]

```
void briar::SearchDatabaseRequest::add_probe_entry_ids (
    const std::string & value ) [inline]
```

7.273.3.7 add_probe_entry_ids() [5/5]

```
void briar::SearchDatabaseRequest::add_probe_entry_ids (
    std::string && value ) [inline]
```

7.273.3.8 ByteSizeLong()

```
size_t briar::SearchDatabaseRequest::ByteSizeLong ( ) const [final]
```

7.273.3.9 Clear()

```
void briar::SearchDatabaseRequest::Clear ( ) [final]
```

7.273.3.10 clear_database()

```
void briar::SearchDatabaseRequest::clear_database ( )
```

7.273.3.11 clear_durations()

```
void briar::SearchDatabaseRequest::clear_durations ( )
```

7.273.3.12 clear_probe_database()

```
void briar::SearchDatabaseRequest::clear_probe_database ( )
```

7.273.3.13 clear_probe_entry_ids()

```
void briar::SearchDatabaseRequest::clear_probe_entry_ids ( ) [inline]
```

7.273.3.14 clear_search_options()

```
void briar::SearchDatabaseRequest::clear_search_options ( )
```

7.273.3.15 CopyFrom()

```
void briar::SearchDatabaseRequest::CopyFrom (
    const SearchDatabaseRequest & from )
```

7.273.3.16 database()

```
const ::briar::BriarDatabase & briar::SearchDatabaseRequest::database ( ) const [inline]
```

7.273.3.17 default_instance()

```
static const SearchDatabaseRequest& briar::SearchDatabaseRequest::default_instance ( ) [inline], [static]
```

7.273.3.18 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchDatabaseRequest::descriptor ( ) [inline], [static]
```

7.273.3.19 durations()

```
const ::briar::BriarDurations & briar::SearchDatabaseRequest::durations ( ) const [inline]
```

7.273.3.20 GetCachedSize()

```
int briar::SearchDatabaseRequest::GetCachedSize ( ) const [inline], [final]
```

7.273.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchDatabaseRequest::GetClassData  
( ) const [final]
```

7.273.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchDatabaseRequest::GetDescriptor  
( ) [inline], [static]
```

7.273.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchDatabaseRequest::GetMetadata ( ) const [final]
```

7.273.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchDatabaseRequest::GetReflection  
( ) [inline], [static]
```

7.273.3.25 has_database()

```
bool briar::SearchDatabaseRequest::has_database ( ) const [inline]
```

7.273.3.26 has_durations()

```
bool briar::SearchDatabaseRequest::has_durations ( ) const [inline]
```

7.273.3.27 has_probe_database()

```
bool briar::SearchDatabaseRequest::has_probe_database ( ) const [inline]
```

7.273.3.28 has_search_options()

```
bool briar::SearchDatabaseRequest::has_search_options ( ) const [inline]
```

7.273.3.29 internal_default_instance()

```
static const SearchDatabaseRequest* briar::SearchDatabaseRequest::internal_default_instance ( ) [inline], [static]
```

7.273.3.30 IsInitialized()

```
bool briar::SearchDatabaseRequest::IsInitialized ( ) const [final]
```

7.273.3.31 MergeFrom()

```
void briar::SearchDatabaseRequest::MergeFrom ( const SearchDatabaseRequest & from )
```

7.273.3.32 mutable_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::mutable_database ( ) [inline]
```

7.273.3.33 mutable_durations()

```
briar::BriarDurations * briar::SearchDatabaseRequest::mutable_durations ( ) [inline]
```

7.273.3.34 mutable_probe_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::mutable_probe_database ( ) [inline]
```

7.273.3.35 mutable_probe_entry_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::SearchDatabaseRequest::mutable_<br>_probe_entry_ids ( ) [inline]
```

7.273.3.36 mutable_probe_entry_ids() [2/2]

```
std::string * briar::SearchDatabaseRequest::mutable_probe_entry_ids ( <br> int index ) [inline]
```

7.273.3.37 mutable_search_options()

```
briar::SearchOptions * briar::SearchDatabaseRequest::mutable_search_options ( ) [inline]
```

7.273.3.38 New()

```
SearchDatabaseRequest* briar::SearchDatabaseRequest::New ( <br> ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.273.3.39 operator=() [1/2]

```
SearchDatabaseRequest& briar::SearchDatabaseRequest::operator= ( <br> const SearchDatabaseRequest & from ) [inline]
```

7.273.3.40 operator=() [2/2]

```
SearchDatabaseRequest& briar::SearchDatabaseRequest::operator= ( <br> SearchDatabaseRequest && from ) [inline], [noexcept]
```

7.273.3.41 probe_database()

```
const ::briar::BriarDatabase & briar::SearchDatabaseRequest::probe_database ( ) const [inline]
```

7.273.3.42 probe_entry_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::SearchDatabaseRequest::probe_entry_ids ( ) const [inline]
```

7.273.3.43 probe_entry_ids() [2/2]

```
const std::string & briar::SearchDatabaseRequest::probe_entry_ids ( int index ) const [inline]
```

7.273.3.44 probe_entry_ids_size()

```
int briar::SearchDatabaseRequest::probe_entry_ids_size ( ) const [inline]
```

7.273.3.45 release_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::release_database ( ) [inline]
```

7.273.3.46 release_durations()

```
briar::BriarDurations * briar::SearchDatabaseRequest::release_durations ( ) [inline]
```

7.273.3.47 release_probe_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::release_probe_database ( ) [inline]
```

7.273.3.48 release_search_options()

```
briar::SearchOptions * briar::SearchDatabaseRequest::release_search_options ( ) [inline]
```

7.273.3.49 search_options()

```
const ::briar::SearchOptions & briar::SearchDatabaseRequest::search_options ( ) const [inline]
```

7.273.3.50 set_allocated_database()

```
void briar::SearchDatabaseRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.273.3.51 set_allocated_durations()

```
void briar::SearchDatabaseRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.273.3.52 set_allocated_probe_database()

```
void briar::SearchDatabaseRequest::set_allocated_probe_database (
    ::briar::BriarDatabase * probe_database ) [inline]
```

7.273.3.53 set_allocated_search_options()

```
void briar::SearchDatabaseRequest::set_allocated_search_options (
    ::briar::SearchOptions * search_options ) [inline]
```

7.273.3.54 set_probe_entry_ids() [1/4]

```
void briar::SearchDatabaseRequest::set_probe_entry_ids (
    int index,
    const char * value ) [inline]
```

7.273.3.55 set_probe_entry_ids() [2/4]

```
void briar::SearchDatabaseRequest::set_probe_entry_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.273.3.56 set_probe_entry_ids() [3/4]

```
void briar::SearchDatabaseRequest::set_probe_entry_ids (
    int index,
    const std::string & value ) [inline]
```

7.273.3.57 set_probe_entry_ids() [4/4]

```
void briar::SearchDatabaseRequest::set_probe_entry_ids (
    int index,
    std::string && value ) [inline]
```

7.273.3.58 Swap()

```
void briar::SearchDatabaseRequest::Swap (
    SearchDatabaseRequest * other ) [inline]
```

7.273.3.59 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::unsafe_arena_release_database ( ) [inline]
```

7.273.3.60 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::SearchDatabaseRequest::unsafe_arena_release_durations ( ) [inline]
```

7.273.3.61 unsafe_arena_release_probe_database()

```
briar::BriarDatabase * briar::SearchDatabaseRequest::unsafe_arena_release_probe_database ( )
[inline]
```

7.273.3.62 unsafe_arena_release_search_options()

```
briar::SearchOptions * briar::SearchDatabaseRequest::unsafe_arena_release_search_options ( )  
[inline]
```

7.273.3.63 unsafe_arena_set_allocated_database()

```
void briar::SearchDatabaseRequest::unsafe_arena_set_allocated_database (  
    ::briar::BriarDatabase * database ) [inline]
```

7.273.3.64 unsafe_arena_set_allocated_durations()

```
void briar::SearchDatabaseRequest::unsafe_arena_set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.273.3.65 unsafe_arena_set_allocated_probe_database()

```
void briar::SearchDatabaseRequest::unsafe_arena_set_allocated_probe_database (   
    ::briar::BriarDatabase * probe_database ) [inline]
```

7.273.3.66 unsafe_arena_set_allocated_search_options()

```
void briar::SearchDatabaseRequest::unsafe_arena_set_allocated_search_options (   
    ::briar::SearchOptions * search_options ) [inline]
```

7.273.3.67 UnsafeArenaSwap()

```
void briar::SearchDatabaseRequest::UnsafeArenaSwap (   
    SearchDatabaseRequest * other ) [inline]
```

7.273.4 Friends And Related Function Documentation

7.273.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.273.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.273.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.273.4.4 swap

```
void swap (
    SearchDatabaseRequest & a,
    SearchDatabaseRequest & b ) [friend]
```

7.273.5 Member Data Documentation

7.273.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchDatabaseRequest::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    SearchDatabaseRequest::MergeImpl
}
```

7.273.5.2 kIndexInFileMessages

```
constexpr int briar::SearchDatabaseRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

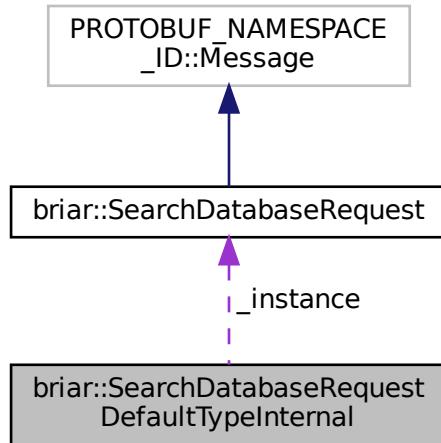
```
=
40
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.274 briar::SearchDatabaseRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchDatabaseRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchDatabaseRequestDefaultTypeInternal ()
- ~SearchDatabaseRequestDefaultTypeInternal ()

Public Attributes

- union {
 SearchDatabaseRequest _instance
};

7.274.1 Constructor & Destructor Documentation

7.274.1.1 SearchDatabaseRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchDatabaseRequestDefaultTypeInternal::SearchDatabaseRequestDefaultTypeInternal ( ) [inline]
```

7.274.1.2 ~SearchDatabaseRequestDefaultTypeInternal()

```
briar::SearchDatabaseRequestDefaultTypeInternal::~SearchDatabaseRequestDefaultTypeInternal ( )  
[inline]
```

7.274.2 Member Data Documentation

7.274.2.1

```
union { ... }
```

7.274.2.2 _instance

```
SearchDatabaseRequest briar::SearchDatabaseRequestDefaultTypeInternal::_instance
```

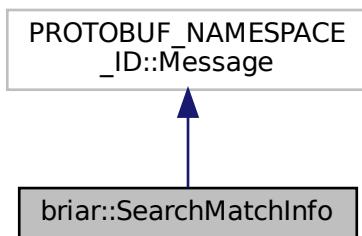
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

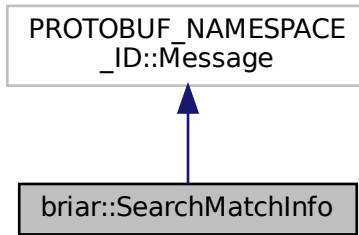
7.275 briar::SearchMatchInfo Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::SearchMatchInfo:



Collaboration diagram for briar::SearchMatchInfo:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 `kSubjectIdProbeFieldNumber = 4, kSubjectIdGalleryFieldNumber = 5, kMediaIdFieldNumber = 6,`
`kSubjectNameFieldNumber = 7,`
`kEntryIdProbeFieldNumber = 8, kEntryIdGalleryFieldNumber = 9, kFaceFieldNumber = 11,`
`kBodyFieldNumber = 12,`
`kGateFieldNumber = 13, kScoreFieldNumber = 1, kTheoreticalMinFieldNumber = 2, kTheoreticalMaxFieldNumber = 3,`
`kUsesIntegerSubjectIdGalleryFieldNumber = 14, kIntegerSubjectIdGalleryFieldNumber = 15 }`

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- const ::briar::BriarMedia & [body](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_body](#) ()
- void [clear_entry_id_gallery](#) ()
- void [clear_entry_id_probe](#) ()
- void [clear_face](#) ()
- void [clear_gate](#) ()
- void [clear_integer_subject_id_gallery](#) ()
- void [clear_media_id](#) ()
- void [clear_score](#) ()
- void [clear_subject_id_gallery](#) ()
- void [clear_subject_id_probe](#) ()
- void [clear_subject_name](#) ()

- void `clear_theoretical_max ()`
- void `clear_theoretical_min ()`
- void `clear_uses_integer_subject_id_gallery ()`
- void `CopyFrom (const SearchMatchInfo &from)`
- const std::string & `entry_id_gallery () const`
- const std::string & `entry_id_probe () const`
- const ::briar::BriarMedia & `face () const`
- const ::briar::BriarMedia & `gate () const`
- int `GetCachedSize () const final`
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData () const final`
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata () const final`
- bool `has_body () const`
- bool `has_face () const`
- bool `has_gate () const`
- int32_t `integer_subject_id_gallery () const`
- bool `IsInitialized () const final`
- const std::string & `media_id () const`
- void `MergeFrom (const SearchMatchInfo &from)`
- ::briar::BriarMedia * `mutable_body ()`
- std::string * `mutable_entry_id_gallery ()`
- std::string * `mutable_entry_id_probe ()`
- ::briar::BriarMedia * `mutable_face ()`
- ::briar::BriarMedia * `mutable_gate ()`
- std::string * `mutable_media_id ()`
- std::string * `mutable_subject_id_gallery ()`
- std::string * `mutable_subject_id_probe ()`
- std::string * `mutable_subject_name ()`
- `SearchMatchInfo * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `SearchMatchInfo & operator= (const SearchMatchInfo &from)`
- `SearchMatchInfo & operator= (SearchMatchInfo &&from) noexcept`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_body ()`
- PROTOBUF_NODISCARD std::string * `release_entry_id_gallery ()`
- PROTOBUF_NODISCARD std::string * `release_entry_id_probe ()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_face ()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_gate ()`
- PROTOBUF_NODISCARD std::string * `release_media_id ()`
- PROTOBUF_NODISCARD std::string * `release_subject_id_gallery ()`
- PROTOBUF_NODISCARD std::string * `release_subject_id_probe ()`
- PROTOBUF_NODISCARD std::string * `release_subject_name ()`
- float `score () const`
- `SearchMatchInfo ()`
- PROTOBUF_CONSTEXPR `SearchMatchInfo (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `SearchMatchInfo (const SearchMatchInfo &from)`
- `SearchMatchInfo (SearchMatchInfo &&from) noexcept`
- void `set_allocated_body (::briar::BriarMedia *body)`
- void `set_allocated_entry_id_gallery (std::string *entry_id_gallery)`
- void `set_allocated_entry_id_probe (std::string *entry_id_probe)`
- void `set_allocated_face (::briar::BriarMedia *face)`
- void `set_allocated_gate (::briar::BriarMedia *gate)`
- void `set_allocated_media_id (std::string *media_id)`
- void `set_allocated_subject_id_gallery (std::string *subject_id_gallery)`
- void `set_allocated_subject_id_probe (std::string *subject_id_probe)`
- void `set_allocated_subject_name (std::string *subject_name)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_id_gallery (ArgT0 &&arg0, ArgT... args)`

- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_entry_id_gallery](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_entry_id_probe](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_entry_id_probe](#) (ArgT0 &&arg0, ArgT... args)
- void [set_integer_subject_id_gallery](#) (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- void [set_score](#) (float value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_id_gallery](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_id_gallery](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_id_probe](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_id_probe](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_name](#) (ArgT0 &&arg0, ArgT... args)
- void [set_theoretical_max](#) (float value)
- void [set_theoretical_min](#) (float value)
- void [set_uses_integer_subject_id_gallery](#) (bool value)
- const std::string & [subject_id_gallery](#) () const
- const std::string & [subject_id_probe](#) () const
- const std::string & [subject_name](#) () const
- void [Swap](#) (SearchMatchInfo *other)
- float [theoretical_max](#) () const
- float [theoretical_min](#) () const
- ::briar::BriarMedia * [unsafe_arena_release_body](#) ()
- ::briar::BriarMedia * [unsafe_arena_release_face](#) ()
- ::briar::BriarMedia * [unsafe_arena_release_gate](#) ()
- void [unsafe_arena_set_allocated_body](#) (::briar::BriarMedia *body)
- void [unsafe_arena_set_allocated_face](#) (::briar::BriarMedia *face)
- void [unsafe_arena_set_allocated_gate](#) (::briar::BriarMedia *gate)
- void [UnsafeArenaSwap](#) (SearchMatchInfo *other)
- bool [uses_integer_subject_id_gallery](#) () const
- [~SearchMatchInfo](#) () override

Static Public Member Functions

- static const SearchMatchInfo & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const SearchMatchInfo * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [SearchMatchInfo \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap \(SearchMatchInfo &a, SearchMatchInfo &b\)](#)

7.275.1 Member Enumeration Documentation

7.275.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubjectIdProbeFieldNumber	
kSubjectIdGalleryFieldNumber	
kMedialdFieldNumber	
kSubjectNameFieldNumber	
kEntryIdProbeFieldNumber	
kEntryIdGalleryFieldNumber	
kFaceFieldNumber	
kBodyFieldNumber	
kGateFieldNumber	
kScoreFieldNumber	
kTheoreticalMinFieldNumber	
kTheoreticalMaxFieldNumber	
kUsesIntegerSubjectIdGalleryFieldNumber	
kIntegerSubjectIdGalleryFieldNumber	

7.275.2 Constructor & Destructor Documentation

7.275.2.1 SearchMatchInfo() [1/5]

```
briar::SearchMatchInfo::SearchMatchInfo ( ) [inline]
```

7.275.2.2 ~SearchMatchInfo()

```
briar::SearchMatchInfo::~SearchMatchInfo ( ) [override]
```

7.275.2.3 SearchMatchInfo() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchMatchInfo::SearchMatchInfo (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.275.2.4 SearchMatchInfo() [3/5]

```
briar::SearchMatchInfo::SearchMatchInfo (
    const SearchMatchInfo & from )
```

7.275.2.5 SearchMatchInfo() [4/5]

```
briar::SearchMatchInfo::SearchMatchInfo (
    SearchMatchInfo && from ) [inline], [noexcept]
```

7.275.2.6 SearchMatchInfo() [5/5]

```
briar::SearchMatchInfo::SearchMatchInfo (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.275.3 Member Function Documentation

7.275.3.1 _InternalParse()

```
const char * briar::SearchMatchInfo::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.275.3.2 `_InternalSerialize()`

```
uint8_t * briar::SearchMatchInfo::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.275.3.3 `body()`

```
const ::briar::BriarMedia & briar::SearchMatchInfo::body () const [inline]
```

7.275.3.4 `ByteSizeLong()`

```
size_t briar::SearchMatchInfo::ByteSizeLong () const [final]
```

7.275.3.5 `Clear()`

```
void briar::SearchMatchInfo::Clear () [final]
```

7.275.3.6 `clear_body()`

```
void briar::SearchMatchInfo::clear_body () [inline]
```

7.275.3.7 `clear_entry_id_gallery()`

```
void briar::SearchMatchInfo::clear_entry_id_gallery () [inline]
```

7.275.3.8 `clear_entry_id_probe()`

```
void briar::SearchMatchInfo::clear_entry_id_probe () [inline]
```

7.275.3.9 clear_face()

```
void briar::SearchMatchInfo::clear_face ( ) [inline]
```

7.275.3.10 clear_gate()

```
void briar::SearchMatchInfo::clear_gate ( ) [inline]
```

7.275.3.11 clear_integer_subject_id_gallery()

```
void briar::SearchMatchInfo::clear_integer_subject_id_gallery ( ) [inline]
```

7.275.3.12 clear_media_id()

```
void briar::SearchMatchInfo::clear_media_id ( ) [inline]
```

7.275.3.13 clear_score()

```
void briar::SearchMatchInfo::clear_score ( ) [inline]
```

7.275.3.14 clear_subject_id_gallery()

```
void briar::SearchMatchInfo::clear_subject_id_gallery ( ) [inline]
```

7.275.3.15 clear_subject_id_probe()

```
void briar::SearchMatchInfo::clear_subject_id_probe ( ) [inline]
```

7.275.3.16 clear_subject_name()

```
void briar::SearchMatchInfo::clear_subject_name ( ) [inline]
```

7.275.3.17 clear_theoretical_max()

```
void briar::SearchMatchInfo::clear_theoretical_max ( ) [inline]
```

7.275.3.18 clear_theoretical_min()

```
void briar::SearchMatchInfo::clear_theoretical_min ( ) [inline]
```

7.275.3.19 clear_uses_integer_subject_id_gallery()

```
void briar::SearchMatchInfo::clear_uses_integer_subject_id_gallery ( ) [inline]
```

7.275.3.20 CopyFrom()

```
void briar::SearchMatchInfo::CopyFrom (
    const SearchMatchInfo & from )
```

7.275.3.21 default_instance()

```
static const SearchMatchInfo& briar::SearchMatchInfo::default_instance ( ) [inline], [static]
```

7.275.3.22 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchMatchInfo::descriptor ( ) [inline], [static]
```

7.275.3.23 entry_id_gallery()

```
const std::string & briar::SearchMatchInfo::entry_id_gallery ( ) const [inline]
```

7.275.3.24 entry_id_probe()

```
const std::string & briar::SearchMatchInfo::entry_id_probe () const [inline]
```

7.275.3.25 face()

```
const ::briar::BriarMedia & briar::SearchMatchInfo::face () const [inline]
```

7.275.3.26 gate()

```
const ::briar::BriarMedia & briar::SearchMatchInfo::gate () const [inline]
```

7.275.3.27 GetCachedSize()

```
int briar::SearchMatchInfo::GetCachedSize () const [inline], [final]
```

7.275.3.28 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchMatchInfo::GetClassData ()  
const [final]
```

7.275.3.29 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchMatchInfo::GetDescriptor ()  
[inline], [static]
```

7.275.3.30 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchMatchInfo::GetMetadata () const [final]
```

7.275.3.31 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchMatchInfo::GetReflection ( )  
[inline], [static]
```

7.275.3.32 has_body()

```
bool briar::SearchMatchInfo::has_body ( ) const [inline]
```

7.275.3.33 has_face()

```
bool briar::SearchMatchInfo::has_face ( ) const [inline]
```

7.275.3.34 has_gate()

```
bool briar::SearchMatchInfo::has_gate ( ) const [inline]
```

7.275.3.35 integer_subject_id_gallery()

```
int32_t briar::SearchMatchInfo::integer_subject_id_gallery ( ) const [inline]
```

7.275.3.36 internal_default_instance()

```
static const SearchMatchInfo* briar::SearchMatchInfo::internal_default_instance ( ) [inline],  
[static]
```

7.275.3.37 IsInitialized()

```
bool briar::SearchMatchInfo::IsInitialized ( ) const [final]
```

7.275.3.38 media_id()

```
const std::string & briar::SearchMatchInfo::media_id ( ) const [inline]
```

7.275.3.39 MergeFrom()

```
void briar::SearchMatchInfo::MergeFrom (
    const SearchMatchInfo & from )
```

7.275.3.40 mutable_body()

```
briar::BriarMedia * briar::SearchMatchInfo::mutable_body ( ) [inline]
```

7.275.3.41 mutable_entry_id_gallery()

```
std::string * briar::SearchMatchInfo::mutable_entry_id_gallery ( ) [inline]
```

7.275.3.42 mutable_entry_id_probe()

```
std::string * briar::SearchMatchInfo::mutable_entry_id_probe ( ) [inline]
```

7.275.3.43 mutable_face()

```
briar::BriarMedia * briar::SearchMatchInfo::mutable_face ( ) [inline]
```

7.275.3.44 mutable_gate()

```
briar::BriarMedia * briar::SearchMatchInfo::mutable_gate ( ) [inline]
```

7.275.3.45 mutable_media_id()

```
std::string * briar::SearchMatchInfo::mutable_media_id ( ) [inline]
```

7.275.3.46 mutable_subject_id_gallery()

```
std::string * briar::SearchMatchInfo::mutable_subject_id_gallery ( ) [inline]
```

7.275.3.47 mutable_subject_id_probe()

```
std::string * briar::SearchMatchInfo::mutable_subject_id_probe ( ) [inline]
```

7.275.3.48 mutable_subject_name()

```
std::string * briar::SearchMatchInfo::mutable_subject_name ( ) [inline]
```

7.275.3.49 New()

```
SearchMatchInfo* briar::SearchMatchInfo::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.275.3.50 operator=() [1/2]

```
SearchMatchInfo& briar::SearchMatchInfo::operator= ( const SearchMatchInfo & from ) [inline]
```

7.275.3.51 operator=() [2/2]

```
SearchMatchInfo& briar::SearchMatchInfo::operator= ( SearchMatchInfo && from ) [inline], [noexcept]
```

7.275.3.52 release_body()

```
briar::BriarMedia * briar::SearchMatchInfo::release_body ( ) [inline]
```

7.275.3.53 release_entry_id_gallery()

```
std::string * briar::SearchMatchInfo::release_entry_id_gallery ( ) [inline]
```

7.275.3.54 release_entry_id_probe()

```
std::string * briar::SearchMatchInfo::release_entry_id_probe ( ) [inline]
```

7.275.3.55 release_face()

```
briar::BriarMedia * briar::SearchMatchInfo::release_face ( ) [inline]
```

7.275.3.56 release_gate()

```
briar::BriarMedia * briar::SearchMatchInfo::release_gate ( ) [inline]
```

7.275.3.57 release_media_id()

```
std::string * briar::SearchMatchInfo::release_media_id ( ) [inline]
```

7.275.3.58 release_subject_id_gallery()

```
std::string * briar::SearchMatchInfo::release_subject_id_gallery ( ) [inline]
```

7.275.3.59 release_subject_id_probe()

```
std::string * briar::SearchMatchInfo::release_subject_id_probe ( ) [inline]
```

7.275.3.60 release_subject_name()

```
std::string * briar::SearchMatchInfo::release_subject_name ( ) [inline]
```

7.275.3.61 score()

```
float briar::SearchMatchInfo::score ( ) const [inline]
```

7.275.3.62 set_allocated_body()

```
void briar::SearchMatchInfo::set_allocated_body ( ::briar::BriarMedia * body ) [inline]
```

7.275.3.63 set_allocated_entry_id_gallery()

```
void briar::SearchMatchInfo::set_allocated_entry_id_gallery ( std::string * entry_id_gallery ) [inline]
```

7.275.3.64 set_allocated_entry_id_probe()

```
void briar::SearchMatchInfo::set_allocated_entry_id_probe ( std::string * entry_id_probe ) [inline]
```

7.275.3.65 set_allocated_face()

```
void briar::SearchMatchInfo::set_allocated_face ( ::briar::BriarMedia * face ) [inline]
```

7.275.3.66 set_allocated_gate()

```
void briar::SearchMatchInfo::set_allocated_gate ( ::briar::BriarMedia * gate ) [inline]
```

7.275.3.67 set_allocated_media_id()

```
void briar::SearchMatchInfo::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.275.3.68 set_allocated_subject_id_gallery()

```
void briar::SearchMatchInfo::set_allocated_subject_id_gallery (
    std::string * subject_id_gallery ) [inline]
```

7.275.3.69 set_allocated_subject_id_probe()

```
void briar::SearchMatchInfo::set_allocated_subject_id_probe (
    std::string * subject_id_probe ) [inline]
```

7.275.3.70 set_allocated_subject_name()

```
void briar::SearchMatchInfo::set_allocated_subject_name (
    std::string * subject_name ) [inline]
```

7.275.3.71 set_entry_id_gallery() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_entry_id_gallery (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.72 set_entry_id_gallery() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_entry_id_gallery (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.73 set_entry_id_probe() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_entry_id_probe (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.74 set_entry_id_probe() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_entry_id_probe (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.75 set_integer_subject_id_gallery()

```
void briar::SearchMatchInfo::set_integer_subject_id_gallery (
    int32_t value ) [inline]
```

7.275.3.76 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.77 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.78 set_score()

```
void briar::SearchMatchInfo::set_score (
    float value ) [inline]
```

7.275.3.79 set_subject_id_gallery() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_subject_id_gallery (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.80 set_subject_id_gallery() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_subject_id_gallery (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.81 set_subject_id_probe() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_subject_id_probe (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.82 set_subject_id_probe() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_subject_id_probe (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.83 set_subject_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::SearchMatchInfo::set_subject_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.275.3.84 set_subject_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::SearchMatchInfo::set_subject_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.275.3.85 `set_theoretical_max()`

```
void briar::SearchMatchInfo::set_theoretical_max (
    float value ) [inline]
```

7.275.3.86 `set_theoretical_min()`

```
void briar::SearchMatchInfo::set_theoretical_min (
    float value ) [inline]
```

7.275.3.87 `set_uses_integer_subject_id_gallery()`

```
void briar::SearchMatchInfo::set_uses_integer_subject_id_gallery (
    bool value ) [inline]
```

7.275.3.88 `subject_id_gallery()`

```
const std::string & briar::SearchMatchInfo::subject_id_gallery ( ) const [inline]
```

7.275.3.89 `subject_id_probe()`

```
const std::string & briar::SearchMatchInfo::subject_id_probe ( ) const [inline]
```

7.275.3.90 `subject_name()`

```
const std::string & briar::SearchMatchInfo::subject_name ( ) const [inline]
```

7.275.3.91 `Swap()`

```
void briar::SearchMatchInfo::Swap (
    SearchMatchInfo * other ) [inline]
```

7.275.3.92 theoretical_max()

```
float briar::SearchMatchInfo::theoretical_max ( ) const [inline]
```

7.275.3.93 theoretical_min()

```
float briar::SearchMatchInfo::theoretical_min ( ) const [inline]
```

7.275.3.94 unsafe_arena_release_body()

```
briar::BriarMedia * briar::SearchMatchInfo::unsafe_arena_release_body ( ) [inline]
```

7.275.3.95 unsafe_arena_release_face()

```
briar::BriarMedia * briar::SearchMatchInfo::unsafe_arena_release_face ( ) [inline]
```

7.275.3.96 unsafe_arena_release_gate()

```
briar::BriarMedia * briar::SearchMatchInfo::unsafe_arena_release_gate ( ) [inline]
```

7.275.3.97 unsafe_arena_set_allocated_body()

```
void briar::SearchMatchInfo::unsafe_arena_set_allocated_body ( ::briar::BriarMedia * body ) [inline]
```

7.275.3.98 unsafe_arena_set_allocated_face()

```
void briar::SearchMatchInfo::unsafe_arena_set_allocated_face ( ::briar::BriarMedia * face ) [inline]
```

7.275.3.99 unsafe_arena_set_allocated_gate()

```
void briar::SearchMatchInfo::unsafe_arena_set_allocated_gate (
    ::briar::BriarMedia * gate ) [inline]
```

7.275.3.100 UnsafeArenaSwap()

```
void briar::SearchMatchInfo::UnsafeArenaSwap (
    SearchMatchInfo * other ) [inline]
```

7.275.3.101 uses_integer_subject_id_gallery()

```
bool briar::SearchMatchInfo::uses_integer_subject_id_gallery ( ) const [inline]
```

7.275.4 Friends And Related Function Documentation

7.275.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.275.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.275.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.275.4.4 swap

```
void swap (
    SearchMatchInfo & a,
    SearchMatchInfo & b ) [friend]
```

7.275.5 Member Data Documentation

7.275.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchMatchInfo::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    SearchMatchInfo::MergeImpl  
}
```

7.275.5.2 `kIndexInFileMessages`

```
constexpr int briar::SearchMatchInfo::kIndexInFileMessages [static], [constexpr]
```

Initial value:

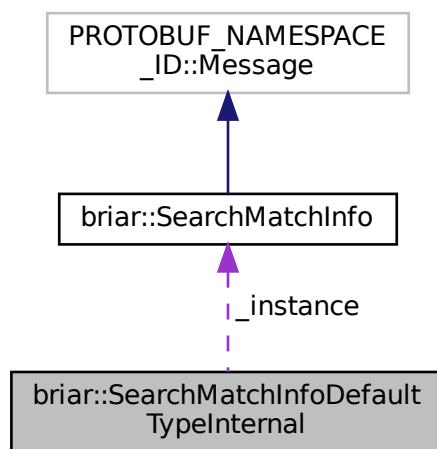
```
=  
    33
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.276 briar::SearchMatchInfoDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchMatchInfoDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchMatchInfoDefaultTypeInternal ()
- ~SearchMatchInfoDefaultTypeInternal ()

Public Attributes

- union {
 SearchMatchInfo _instance
};

7.276.1 Constructor & Destructor Documentation

7.276.1.1 SearchMatchInfoDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchMatchInfoDefaultTypeInternal::SearchMatchInfoDefaultTypeInternal ( ) [inline]
```

7.276.1.2 ~SearchMatchInfoDefaultTypeInternal()

```
briar::SearchMatchInfoDefaultTypeInternal::~SearchMatchInfoDefaultTypeInternal ( ) [inline]
```

7.276.2 Member Data Documentation

7.276.2.1

```
union { ... }
```

7.276.2.2 _instance

```
SearchMatchInfo briar::SearchMatchInfoDefaultTypeInternal::_instance
```

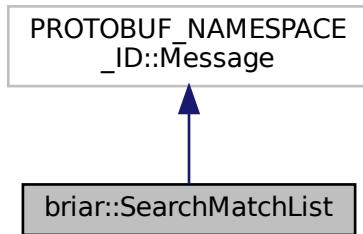
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

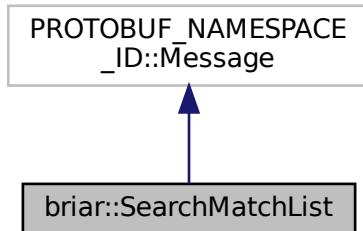
7.277 briar::SearchMatchList Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::SearchMatchList:



Collaboration diagram for briar::SearchMatchList:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kMatchListFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::SearchMatchInfo * [add_match_list](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_match_list](#) ()
- void [CopyFrom](#) (const [SearchMatchList](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchInfo > & [match_list](#) () const
- const ::briar::SearchMatchInfo & [match_list](#) (int index) const
- int [match_list_size](#) () const
- void [MergeFrom](#) (const [SearchMatchList](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchInfo > * [mutable_match_list](#) ()
- ::briar::SearchMatchInfo * [mutable_match_list](#) (int index)
- [SearchMatchList](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [SearchMatchList](#) & [operator=](#) (const [SearchMatchList](#) &from)
- [SearchMatchList](#) & [operator=](#) ([SearchMatchList](#) &&from) noexcept
- [SearchMatchList](#) ()
- PROTOBUF_CONSTEXPR [SearchMatchList](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [SearchMatchList](#) (const [SearchMatchList](#) &from)
- [SearchMatchList](#) ([SearchMatchList](#) &&from) noexcept
- void [Swap](#) ([SearchMatchList](#) *other)
- void [UnsafeArenaSwap](#) ([SearchMatchList](#) *other)
- [~SearchMatchList](#) () override

Static Public Member Functions

- static const [SearchMatchList](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [SearchMatchList](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [SearchMatchList](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void swap (SearchMatchList &a, SearchMatchList &b)

7.277.1 Member Enumeration Documentation

7.277.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMatchListFieldNumber	<input type="button" value=""/>
-----------------------	---------------------------------

7.277.2 Constructor & Destructor Documentation

7.277.2.1 SearchMatchList() [1/5]

```
briar::SearchMatchList::SearchMatchList ( ) [inline]
```

7.277.2.2 ~SearchMatchList()

```
briar::SearchMatchList::~SearchMatchList ( ) [override]
```

7.277.2.3 SearchMatchList() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchMatchList::SearchMatchList ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.277.2.4 SearchMatchList() [3/5]

```
briar::SearchMatchList::SearchMatchList (
    const SearchMatchList & from )
```

7.277.2.5 SearchMatchList() [4/5]

```
briar::SearchMatchList::SearchMatchList (
    SearchMatchList && from ) [inline], [noexcept]
```

7.277.2.6 SearchMatchList() [5/5]

```
briar::SearchMatchList::SearchMatchList (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.277.3 Member Function Documentation

7.277.3.1 _InternalParse()

```
const char * briar::SearchMatchList::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.277.3.2 _InternalSerialize()

```
uint8_t * briar::SearchMatchList::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.277.3.3 add_match_list()

```
briar::SearchMatchInfo * briar::SearchMatchList::add_match_list ( ) [inline]
```

7.277.3.4 ByteSizeLong()

```
size_t briar::SearchMatchList::ByteSizeLong ( ) const [final]
```

7.277.3.5 Clear()

```
void briar::SearchMatchList::Clear ( ) [final]
```

7.277.3.6 clear_match_list()

```
void briar::SearchMatchList::clear_match_list ( ) [inline]
```

7.277.3.7 CopyFrom()

```
void briar::SearchMatchList::CopyFrom (
    const SearchMatchList & from )
```

7.277.3.8 default_instance()

```
static const SearchMatchList& briar::SearchMatchList::default_instance ( ) [inline], [static]
```

7.277.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchMatchList::descriptor ( ) [inline], [static]
```

7.277.3.10 GetCachedSize()

```
int briar::SearchMatchList::GetCachedSize ( ) const [inline], [final]
```

7.277.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchMatchList::GetClassData ( )
const [final]
```

7.277.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchMatchList::GetDescriptor ( )
[inline], [static]
```

7.277.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchMatchList::GetMetadata ( ) const [final]
```

7.277.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchMatchList::GetReflection ( )
[inline], [static]
```

7.277.3.15 internal_default_instance()

```
static const SearchMatchList* briar::SearchMatchList::internal_default_instance ( ) [inline],
[static]
```

7.277.3.16 IsInitialized()

```
bool briar::SearchMatchList::IsInitialized ( ) const [final]
```

7.277.3.17 match_list() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchInfo > & briar::SearchMatchList::match_list ( ) const [inline]
```

7.277.3.18 match_list() [2/2]

```
const ::briar::SearchMatchInfo & briar::SearchMatchList::match_list (
    int index ) const [inline]
```

7.277.3.19 match_list_size()

```
int briar::SearchMatchList::match_list_size ( ) const [inline]
```

7.277.3.20 MergeFrom()

```
void briar::SearchMatchList::MergeFrom (
    const SearchMatchList & from )
```

7.277.3.21 mutable_match_list() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchInfo> * briar::SearchMatchList::mutable_match_list ( ) [inline]
```

7.277.3.22 mutable_match_list() [2/2]

```
briar::SearchMatchInfo * briar::SearchMatchList::mutable_match_list (
    int index ) [inline]
```

7.277.3.23 New()

```
SearchMatchList* briar::SearchMatchList::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.277.3.24 operator=() [1/2]

```
SearchMatchList& briar::SearchMatchList::operator= (
    const SearchMatchList & from ) [inline]
```

7.277.3.25 operator=() [2/2]

```
SearchMatchList& briar::SearchMatchList::operator= (
    SearchMatchList && from ) [inline], [noexcept]
```

7.277.3.26 Swap()

```
void briar::SearchMatchList::Swap (
    SearchMatchList * other ) [inline]
```

7.277.3.27 UnsafeArenaSwap()

```
void briar::SearchMatchList::UnsafeArenaSwap (
    SearchMatchList * other ) [inline]
```

7.277.4 Friends And Related Function Documentation

7.277.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.277.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.277.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.277.4.4 swap

```
void swap (
    SearchMatchList & a,
    SearchMatchList & b ) [friend]
```

7.277.5 Member Data Documentation

7.277.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchMatchList::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,  
    SearchMatchList::MergeImpl  
}
```

7.277.5.2 `kIndexInFileMessages`

```
constexpr int briar::SearchMatchList::kIndexInFileMessages [static], [constexpr]
```

Initial value:

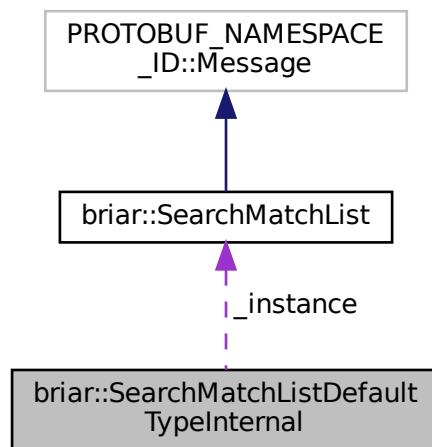
```
=  
    35
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.278 briar::SearchMatchListDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchMatchListDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchMatchListDefaultTypeInternal ()
- ~SearchMatchListDefaultTypeInternal ()

Public Attributes

- union {
 SearchMatchList _instance
};

7.278.1 Constructor & Destructor Documentation

7.278.1.1 SearchMatchListDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchMatchListDefaultTypeInternal::SearchMatchListDefaultTypeInternal ( ) [inline]
```

7.278.1.2 ~SearchMatchListDefaultTypeInternal()

```
briar::SearchMatchListDefaultTypeInternal::~SearchMatchListDefaultTypeInternal ( ) [inline]
```

7.278.2 Member Data Documentation

7.278.2.1

```
union { ... }
```

7.278.2.2 _instance

```
SearchMatchList briar::SearchMatchListDefaultTypeInternal::_instance
```

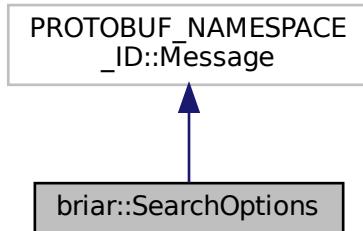
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

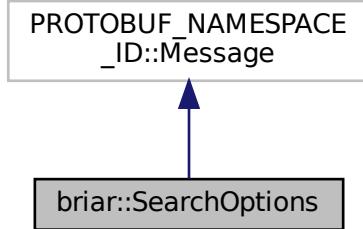
7.279 briar::SearchOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::SearchOptions:



Collaboration diagram for briar::SearchOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kOutDirFieldNumber = 1 , kOutputTypeFieldNumber = 2 , kSearchDatabaseFieldNumber = 3 ,
 kProbeDatabaseFieldNumber = 4 ,
 kSearchThresholdFieldNumber = 5 , kMaxResultsFieldNumber = 6 , kSearchBatchFieldNumber = 7 ,
 kUseDetectionsFieldNumber = 8 ,
 kUseTemplatesFieldNumber = 9 , kReturnMediaFieldNumber = 11 , kFullFieldNumber = 13 , kReturnMatrixFieldNumber
 = 14 ,
 kFlagFieldNumber = 10 , kModalityFieldNumber = 12 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_flag` ()
- void `clear_full` ()
- void `clear_max_results` ()
- void `clear_modality` ()
- void `clear_out_dir` ()
- void `clear_output_type` ()
- void `clear_probe_database` ()
- void `clear_return_matrix` ()
- void `clear_return_media` ()
- void `clear_search_batch` ()
- void `clear_search_database` ()
- void `clear_search_threshold` ()
- void `clear_use_detections` ()
- void `clear_use_templates` ()
- void `CopyFrom` (const `SearchOptions` &from)
- ::briar::SearchFlags `flag` () const
- const ::briar::BoolOption & `full` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_full` () const
- bool `has_max_results` () const
- bool `has_out_dir` () const
- bool `has_output_type` () const
- bool `has_probe_database` () const
- bool `has_return_matrix` () const
- bool `has_return_media` () const
- bool `has_search_batch` () const
- bool `has_search_database` () const
- bool `has_search_threshold` () const
- bool `has_use_detections` () const
- bool `has_use_templates` () const
- bool `IsInitialized` () const final
- const ::briar::IntOption & `max_results` () const
- void `MergeFrom` (const `SearchOptions` &from)
- ::briar::BiometricModality `modality` () const
- ::briar::BoolOption * `mutable_full` ()
- ::briar::IntOption * `mutable_max_results` ()
- ::briar::StringOption * `mutable_out_dir` ()
- ::briar::StringOption * `mutable_output_type` ()
- ::briar::StringOption * `mutable_probe_database` ()
- ::briar::BoolOption * `mutable_return_matrix` ()
- ::briar::BoolOption * `mutable_return_media` ()
- ::briar::IntOption * `mutable_search_batch` ()
- ::briar::StringOption * `mutable_search_database` ()
- ::briar::FloatOption * `mutable_search_threshold` ()
- ::briar::BoolOption * `mutable_use_detections` ()

- `::briar::BoolOption * mutable_use_templates ()`
- `SearchOptions * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `SearchOptions & operator= (const SearchOptions &from)`
- `SearchOptions & operator= (SearchOptions &&from) noexcept`
- `const ::briar::StringOption & out_dir () const`
- `const ::briar::StringOption & output_type () const`
- `const ::briar::StringOption & probe_database () const`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_full ()`
- `PROTOBUF_NODISCARD ::briar::IntOption * release_max_results ()`
- `PROTOBUF_NODISCARD ::briar::StringOption * release_out_dir ()`
- `PROTOBUF_NODISCARD ::briar::StringOption * release_output_type ()`
- `PROTOBUF_NODISCARD ::briar::StringOption * release_probe_database ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_return_matrix ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_return_media ()`
- `PROTOBUF_NODISCARD ::briar::IntOption * release_search_batch ()`
- `PROTOBUF_NODISCARD ::briar::StringOption * release_search_database ()`
- `PROTOBUF_NODISCARD ::briar::FloatOption * release_search_threshold ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_use_detections ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_use_templates ()`
- `const ::briar::BoolOption & return_matrix () const`
- `const ::briar::BoolOption & return_media () const`
- `const ::briar::IntOption & search_batch () const`
- `const ::briar::StringOption & search_database () const`
- `const ::briar::FloatOption & search_threshold () const`
- `SearchOptions ()`
- `PROTOBUF_CONSTEXPR SearchOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `SearchOptions (const SearchOptions &from)`
- `SearchOptions (SearchOptions &&from) noexcept`
- `void set_allocated_full (::briar::BoolOption *full)`
- `void set_allocated_max_results (::briar::IntOption *max_results)`
- `void set_allocated_out_dir (::briar::StringOption *out_dir)`
- `void set_allocated_output_type (::briar::StringOption *output_type)`
- `void set_allocated_probe_database (::briar::StringOption *probe_database)`
- `void set_allocated_return_matrix (::briar::BoolOption *return_matrix)`
- `void set_allocated_return_media (::briar::BoolOption *return_media)`
- `void set_allocated_search_batch (::briar::IntOption *search_batch)`
- `void set_allocated_search_database (::briar::StringOption *search_database)`
- `void set_allocated_search_threshold (::briar::FloatOption *search_threshold)`
- `void set_allocated_use_detections (::briar::BoolOption *use_detections)`
- `void set_allocated_use_templates (::briar::BoolOption *use_templates)`
- `void set_flag (::briar::SearchFlags value)`
- `void set_modality (::briar::BiometricModality value)`
- `void Swap (SearchOptions *other)`
- `::briar::BoolOption * unsafe_arena_release_full ()`
- `::briar::IntOption * unsafe_arena_release_max_results ()`
- `::briar::StringOption * unsafe_arena_release_out_dir ()`
- `::briar::StringOption * unsafe_arena_release_output_type ()`
- `::briar::StringOption * unsafe_arena_release_probe_database ()`
- `::briar::BoolOption * unsafe_arena_release_return_matrix ()`
- `::briar::BoolOption * unsafe_arena_release_return_media ()`
- `::briar::IntOption * unsafe_arena_release_search_batch ()`
- `::briar::StringOption * unsafe_arena_release_search_database ()`
- `::briar::FloatOption * unsafe_arena_release_search_threshold ()`
- `::briar::BoolOption * unsafe_arena_release_use_detections ()`
- `::briar::BoolOption * unsafe_arena_release_use_templates ()`

- void `unsafe_arena_set_allocated_full` (::briar::BoolOption *full)
- void `unsafe_arena_set_allocated_max_results` (::briar::IntOption *max_results)
- void `unsafe_arena_set_allocated_out_dir` (::briar::StringOption *out_dir)
- void `unsafe_arena_set_allocated_output_type` (::briar::StringOption *output_type)
- void `unsafe_arena_set_allocated_probe_database` (::briar::StringOption *probe_database)
- void `unsafe_arena_set_allocated_return_matrix` (::briar::BoolOption *return_matrix)
- void `unsafe_arena_set_allocated_return_media` (::briar::BoolOption *return_media)
- void `unsafe_arena_set_allocated_search_batch` (::briar::IntOption *search_batch)
- void `unsafe_arena_set_allocated_search_database` (::briar::StringOption *search_database)
- void `unsafe_arena_set_allocated_search_threshold` (::briar::FloatOption *search_threshold)
- void `unsafe_arena_set_allocated_use_detections` (::briar::BoolOption *use_detections)
- void `unsafe_arena_set_allocated_use_templates` (::briar::BoolOption *use_templates)
- void `UnsafeArenaSwap` (SearchOptions *other)
- const ::briar::BoolOption & `use_detections` () const
- const ::briar::BoolOption & `use_templates` () const
- `~SearchOptions` () override

Static Public Member Functions

- static const `SearchOptions & default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `SearchOptions * internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `SearchOptions` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void `swap` (SearchOptions &a, SearchOptions &b)

7.279.1 Member Enumeration Documentation

7.279.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kOutDirFieldNumber	
kOutputTypeFieldNumber	
kSearchDatabaseFieldNumber	
kProbeDatabaseFieldNumber	
kSearchThresholdFieldNumber	
kMaxResultsFieldNumber	
kSearchBatchFieldNumber	
kUseDetectionsFieldNumber	
kUseTemplatesFieldNumber	
kReturnMediaFieldNumber	
kFullFieldNumber	
kReturnMatrixFieldNumber	
kFlagFieldNumber	
kModalityFieldNumber	

7.279.2 Constructor & Destructor Documentation**7.279.2.1 SearchOptions() [1/5]**

```
briar::SearchOptions::SearchOptions ( ) [inline]
```

7.279.2.2 ~SearchOptions()

```
briar::SearchOptions::~SearchOptions ( ) [override]
```

7.279.2.3 SearchOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchOptions::SearchOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.279.2.4 SearchOptions() [3/5]

```
briar::SearchOptions::SearchOptions (
    const SearchOptions & from )
```

7.279.2.5 SearchOptions() [4/5]

```
briar::SearchOptions::SearchOptions (
    SearchOptions && from ) [inline], [noexcept]
```

7.279.2.6 SearchOptions() [5/5]

```
briar::SearchOptions::SearchOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.279.3 Member Function Documentation

7.279.3.1 _InternalParse()

```
const char * briar::SearchOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.279.3.2 _InternalSerialize()

```
uint8_t * briar::SearchOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.279.3.3 ByteSizeLong()

```
size_t briar::SearchOptions::ByteSizeLong ( ) const [final]
```

7.279.3.4 Clear()

```
void briar::SearchOptions::Clear ( ) [final]
```

7.279.3.5 clear_flag()

```
void briar::SearchOptions::clear_flag ( ) [inline]
```

7.279.3.6 clear_full()

```
void briar::SearchOptions::clear_full ( ) [inline]
```

7.279.3.7 clear_max_results()

```
void briar::SearchOptions::clear_max_results ( ) [inline]
```

7.279.3.8 clear_modality()

```
void briar::SearchOptions::clear_modality ( ) [inline]
```

7.279.3.9 clear_out_dir()

```
void briar::SearchOptions::clear_out_dir ( ) [inline]
```

7.279.3.10 clear_output_type()

```
void briar::SearchOptions::clear_output_type ( ) [inline]
```

7.279.3.11 clear_probe_database()

```
void briar::SearchOptions::clear_probe_database ( ) [inline]
```

7.279.3.12 clear_return_matrix()

```
void briar::SearchOptions::clear_return_matrix ( ) [inline]
```

7.279.3.13 clear_return_media()

```
void briar::SearchOptions::clear_return_media ( ) [inline]
```

7.279.3.14 clear_search_batch()

```
void briar::SearchOptions::clear_search_batch ( ) [inline]
```

7.279.3.15 clear_search_database()

```
void briar::SearchOptions::clear_search_database ( ) [inline]
```

7.279.3.16 clear_search_threshold()

```
void briar::SearchOptions::clear_search_threshold ( ) [inline]
```

7.279.3.17 clear_use_detections()

```
void briar::SearchOptions::clear_use_detections ( ) [inline]
```

7.279.3.18 clear_use_templates()

```
void briar::SearchOptions::clear_use_templates ( ) [inline]
```

7.279.3.19 CopyFrom()

```
void briar::SearchOptions::CopyFrom (
    const SearchOptions & from )
```

7.279.3.20 default_instance()

```
static const SearchOptions& briar::SearchOptions::default_instance ( ) [inline], [static]
```

7.279.3.21 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchOptions::descriptor ( ) [inline], [static]
```

7.279.3.22 flag()

```
briar::SearchFlags briar::SearchOptions::flag ( ) const [inline]
```

7.279.3.23 full()

```
const ::briar::BoolOption & briar::SearchOptions::full ( ) const [inline]
```

7.279.3.24 GetCachedSize()

```
int briar::SearchOptions::GetCachedSize ( ) const [inline], [final]
```

7.279.3.25 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchOptions::GetClassData ( ) const [final]
```

7.279.3.26 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchOptions::GetDescriptor ( ) [inline], [static]
```

7.279.3.27 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchOptions::GetMetadata () const [final]
```

7.279.3.28 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchOptions::GetReflection ()  
[inline], [static]
```

7.279.3.29 has_full()

```
bool briar::SearchOptions::has_full () const [inline]
```

7.279.3.30 has_max_results()

```
bool briar::SearchOptions::has_max_results () const [inline]
```

7.279.3.31 has_out_dir()

```
bool briar::SearchOptions::has_out_dir () const [inline]
```

7.279.3.32 has_output_type()

```
bool briar::SearchOptions::has_output_type () const [inline]
```

7.279.3.33 has_probe_database()

```
bool briar::SearchOptions::has_probe_database () const [inline]
```

7.279.3.34 has_return_matrix()

```
bool briar::SearchOptions::has_return_matrix () const [inline]
```

7.279.3.35 has_return_media()

```
bool briar::SearchOptions::has_return_media () const [inline]
```

7.279.3.36 has_search_batch()

```
bool briar::SearchOptions::has_search_batch () const [inline]
```

7.279.3.37 has_search_database()

```
bool briar::SearchOptions::has_search_database () const [inline]
```

7.279.3.38 has_search_threshold()

```
bool briar::SearchOptions::has_search_threshold () const [inline]
```

7.279.3.39 has_use_detections()

```
bool briar::SearchOptions::has_use_detections () const [inline]
```

7.279.3.40 has_use_templates()

```
bool briar::SearchOptions::has_use_templates () const [inline]
```

7.279.3.41 internal_default_instance()

```
static const SearchOptions* briar::SearchOptions::internal_default_instance () [inline],  
[static]
```

7.279.3.42 IsInitialized()

```
bool briar::SearchOptions::IsInitialized ( ) const [final]
```

7.279.3.43 max_results()

```
const ::briar::IntOption & briar::SearchOptions::max_results ( ) const [inline]
```

7.279.3.44 MergeFrom()

```
void briar::SearchOptions::MergeFrom (
    const SearchOptions & from )
```

7.279.3.45 modality()

```
briar::BiometricModality briar::SearchOptions::modality ( ) const [inline]
```

7.279.3.46 mutable_full()

```
briar::BoolOption * briar::SearchOptions::mutable_full ( ) [inline]
```

7.279.3.47 mutable_max_results()

```
briar::IntOption * briar::SearchOptions::mutable_max_results ( ) [inline]
```

7.279.3.48 mutable_out_dir()

```
briar::StringOption * briar::SearchOptions::mutable_out_dir ( ) [inline]
```

7.279.3.49 mutable_output_type()

```
briar::StringOption * briar::SearchOptions::mutable_output_type ( ) [inline]
```

7.279.3.50 mutable_probe_database()

```
briar::StringOption * briar::SearchOptions::mutable_probe_database ( ) [inline]
```

7.279.3.51 mutable_return_matrix()

```
briar::BoolOption * briar::SearchOptions::mutable_return_matrix ( ) [inline]
```

7.279.3.52 mutable_return_media()

```
briar::BoolOption * briar::SearchOptions::mutable_return_media ( ) [inline]
```

7.279.3.53 mutable_search_batch()

```
briar::IntOption * briar::SearchOptions::mutable_search_batch ( ) [inline]
```

7.279.3.54 mutable_search_database()

```
briar::StringOption * briar::SearchOptions::mutable_search_database ( ) [inline]
```

7.279.3.55 mutable_search_threshold()

```
briar::FloatOption * briar::SearchOptions::mutable_search_threshold ( ) [inline]
```

7.279.3.56 mutable_use_detections()

```
briar::BoolOption * briar::SearchOptions::mutable_use_detections ( ) [inline]
```

7.279.3.57 mutable_use_templates()

```
briar::BoolOption * briar::SearchOptions::mutable_use_templates ( ) const [inline]
```

7.279.3.58 New()

```
SearchOptions* briar::SearchOptions::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.279.3.59 operator=() [1/2]

```
SearchOptions& briar::SearchOptions::operator= ( const SearchOptions & from ) [inline]
```

7.279.3.60 operator=() [2/2]

```
SearchOptions& briar::SearchOptions::operator= ( SearchOptions && from ) [inline], [noexcept]
```

7.279.3.61 out_dir()

```
const ::briar::StringOption & briar::SearchOptions::out_dir ( ) const [inline]
```

7.279.3.62 output_type()

```
const ::briar::StringOption & briar::SearchOptions::output_type ( ) const [inline]
```

7.279.3.63 probe_database()

```
const ::briar::StringOption & briar::SearchOptions::probe_database ( ) const [inline]
```

7.279.3.64 release_full()

```
briar::BoolOption * briar::SearchOptions::release_full ( ) [inline]
```

7.279.3.65 release_max_results()

```
briar::IntOption * briar::SearchOptions::release_max_results ( ) [inline]
```

7.279.3.66 release_out_dir()

```
briar::StringOption * briar::SearchOptions::release_out_dir ( ) [inline]
```

7.279.3.67 release_output_type()

```
briar::StringOption * briar::SearchOptions::release_output_type ( ) [inline]
```

7.279.3.68 release_probe_database()

```
briar::StringOption * briar::SearchOptions::release_probe_database ( ) [inline]
```

7.279.3.69 release_return_matrix()

```
briar::BoolOption * briar::SearchOptions::release_return_matrix ( ) [inline]
```

7.279.3.70 release_return_media()

```
briar::BoolOption * briar::SearchOptions::release_return_media ( ) [inline]
```

7.279.3.71 release_search_batch()

```
briar::IntOption * briar::SearchOptions::release_search_batch ( ) [inline]
```

7.279.3.72 release_search_database()

```
briar::StringOption * briar::SearchOptions::release_search_database ( ) [inline]
```

7.279.3.73 release_search_threshold()

```
briar::FloatOption * briar::SearchOptions::release_search_threshold ( ) [inline]
```

7.279.3.74 release_use_detections()

```
briar::BoolOption * briar::SearchOptions::release_use_detections ( ) [inline]
```

7.279.3.75 release_use_templates()

```
briar::BoolOption * briar::SearchOptions::release_use_templates ( ) [inline]
```

7.279.3.76 return_matrix()

```
const ::briar::BoolOption & briar::SearchOptions::return_matrix ( ) const [inline]
```

7.279.3.77 return_media()

```
const ::briar::BoolOption & briar::SearchOptions::return_media ( ) const [inline]
```

7.279.3.78 search_batch()

```
const ::briar::IntOption & briar::SearchOptions::search_batch ( ) const [inline]
```

7.279.3.79 search_database()

```
const ::briar::StringOption & briar::SearchOptions::search_database ( ) const [inline]
```

7.279.3.80 search_threshold()

```
const ::briar::FloatOption & briar::SearchOptions::search_threshold ( ) const [inline]
```

7.279.3.81 set_allocated_full()

```
void briar::SearchOptions::set_allocated_full (
    ::briar::BoolOption * full ) [inline]
```

7.279.3.82 set_allocated_max_results()

```
void briar::SearchOptions::set_allocated_max_results (
    ::briar::IntOption * max_results ) [inline]
```

7.279.3.83 set_allocated_out_dir()

```
void briar::SearchOptions::set_allocated_out_dir (
    ::briar::StringOption * out_dir ) [inline]
```

7.279.3.84 set_allocated_output_type()

```
void briar::SearchOptions::set_allocated_output_type (
    ::briar::StringOption * output_type ) [inline]
```

7.279.3.85 set_allocated_probe_database()

```
void briar::SearchOptions::set_allocated_probe_database (
    ::briar::StringOption * probe_database ) [inline]
```

7.279.3.86 set_allocated_return_matrix()

```
void briar::SearchOptions::set_allocated_return_matrix (
    ::briar::BoolOption * return_matrix ) [inline]
```

7.279.3.87 set_allocated_return_media()

```
void briar::SearchOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.279.3.88 set_allocated_search_batch()

```
void briar::SearchOptions::set_allocated_search_batch (
    ::briar::IntOption * search_batch ) [inline]
```

7.279.3.89 set_allocated_search_database()

```
void briar::SearchOptions::set_allocated_search_database (
    ::briar::StringOption * search_database ) [inline]
```

7.279.3.90 set_allocated_search_threshold()

```
void briar::SearchOptions::set_allocated_search_threshold (
    ::briar::FloatOption * search_threshold ) [inline]
```

7.279.3.91 set_allocated_use_detections()

```
void briar::SearchOptions::set_allocated_use_detections (
    ::briar::BoolOption * use_detections ) [inline]
```

7.279.3.92 set_allocated_use_templates()

```
void briar::SearchOptions::set_allocated_use_templates (
    ::briar::BoolOption * use_templates ) [inline]
```

7.279.3.93 set_flag()

```
void briar::SearchOptions::set_flag (
    ::briar::SearchFlags value ) [inline]
```

7.279.3.94 set_modality()

```
void briar::SearchOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.279.3.95 Swap()

```
void briar::SearchOptions::Swap (
    SearchOptions * other ) [inline]
```

7.279.3.96 unsafe_arena_release_full()

```
briar::BoolOption * briar::SearchOptions::unsafe_arena_release_full ( ) [inline]
```

7.279.3.97 unsafe_arena_release_max_results()

```
briar::IntOption * briar::SearchOptions::unsafe_arena_release_max_results ( ) [inline]
```

7.279.3.98 unsafe_arena_release_out_dir()

```
briar::StringOption * briar::SearchOptions::unsafe_arena_release_out_dir ( ) [inline]
```

7.279.3.99 unsafe_arena_release_output_type()

```
briar::StringOption * briar::SearchOptions::unsafe_arena_release_output_type ( ) [inline]
```

7.279.3.100 unsafe_arena_release_probe_database()

```
briar::StringOption * briar::SearchOptions::unsafe_arena_release_probe_database ( ) [inline]
```

7.279.3.101 unsafe_arena_release_return_matrix()

```
briar::BoolOption * briar::SearchOptions::unsafe_arena_release_return_matrix ( ) [inline]
```

7.279.3.102 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::SearchOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.279.3.103 unsafe_arena_release_search_batch()

```
briar::IntOption * briar::SearchOptions::unsafe_arena_release_search_batch ( ) [inline]
```

7.279.3.104 unsafe_arena_release_search_database()

```
briar::StringOption * briar::SearchOptions::unsafe_arena_release_search_database ( ) [inline]
```

7.279.3.105 unsafe_arena_release_search_threshold()

```
briar::FloatOption * briar::SearchOptions::unsafe_arena_release_search_threshold ( ) [inline]
```

7.279.3.106 unsafe_arena_release_use_detections()

```
briar::BoolOption * briar::SearchOptions::unsafe_arena_release_use_detections ( ) [inline]
```

7.279.3.107 unsafe_arena_release_use_templates()

```
briar::BoolOption * briar::SearchOptions::unsafe_arena_release_use_templates ( ) [inline]
```

7.279.3.108 unsafe_arena_set_allocated_full()

```
void briar::SearchOptions::unsafe_arena_set_allocated_full (
    ::briar::BoolOption * full ) [inline]
```

7.279.3.109 unsafe_arena_set_allocated_max_results()

```
void briar::SearchOptions::unsafe_arena_set_allocated_max_results (
    ::briar::IntOption * max_results ) [inline]
```

7.279.3.110 unsafe_arena_set_allocated_out_dir()

```
void briar::SearchOptions::unsafe_arena_set_allocated_out_dir (
    ::briar::StringOption * out_dir ) [inline]
```

7.279.3.111 unsafe_arena_set_allocated_output_type()

```
void briar::SearchOptions::unsafe_arena_set_allocated_output_type (
    ::briar::StringOption * output_type ) [inline]
```

7.279.3.112 unsafe_arena_set_allocated_probe_database()

```
void briar::SearchOptions::unsafe_arena_set_allocated_probe_database (
    ::briar::StringOption * probe_database ) [inline]
```

7.279.3.113 unsafe_arena_set_allocated_return_matrix()

```
void briar::SearchOptions::unsafe_arena_set_allocated_return_matrix (
    ::briar::BoolOption * return_matrix ) [inline]
```

7.279.3.114 unsafe_arena_set_allocated_return_media()

```
void briar::SearchOptions::unsafe_arena_set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.279.3.115 unsafe_arena_set_allocated_search_batch()

```
void briar::SearchOptions::unsafe_arena_set_allocated_search_batch (
    ::briar::IntOption * search_batch ) [inline]
```

7.279.3.116 unsafe_arena_set_allocated_search_database()

```
void briar::SearchOptions::unsafe_arena_set_allocated_search_database (
    ::briar::StringOption * search_database ) [inline]
```

7.279.3.117 unsafe_arena_set_allocated_search_threshold()

```
void briar::SearchOptions::unsafe_arena_set_allocated_search_threshold (
    ::briar::FloatOption * search_threshold ) [inline]
```

7.279.3.118 unsafe_arena_set_allocated_use_detections()

```
void briar::SearchOptions::unsafe_arena_set_allocated_use_detections (
    ::briar::BoolOption * use_detections ) [inline]
```

7.279.3.119 unsafe_arena_set_allocated_use_templates()

```
void briar::SearchOptions::unsafe_arena_set_allocated_use_templates (
    ::briar::BoolOption * use_templates ) [inline]
```

7.279.3.120 UnsafeArenaSwap()

```
void briar::SearchOptions::UnsafeArenaSwap (
    SearchOptions * other ) [inline]
```

7.279.3.121 use_detections()

```
const ::briar::BoolOption & briar::SearchOptions::use_detections ( ) const [inline]
```

7.279.3.122 use_templates()

```
const ::briar::BoolOption & briar::SearchOptions::use_templates ( ) const [inline]
```

7.279.4 Friends And Related Function Documentation

7.279.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.279.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.279.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.279.4.4 swap

```
void swap (
    SearchOptions & a,
    SearchOptions & b ) [friend]
```

7.279.5 Member Data Documentation

7.279.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    SearchOptions::MergeImpl
}
```

7.279.5.2 kIndexInFileMessages

```
constexpr int briar::SearchOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

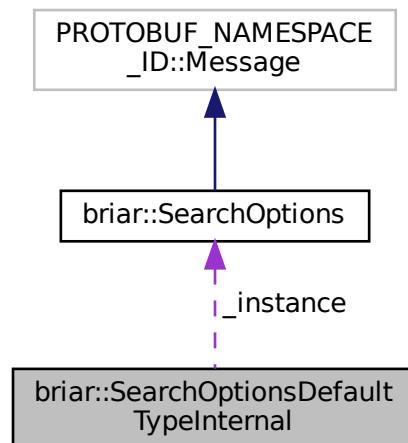
```
= 7
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.280 briar::SearchOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchOptionsDefaultTypeInternal ()
- ~SearchOptionsDefaultTypeInternal ()

Public Attributes

- union {

 SearchOptions _instance

};

7.280.1 Constructor & Destructor Documentation

7.280.1.1 SearchOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchOptionsDefaultTypeInternal::SearchOptionsDefaultTypeInternal ( ) [inline]
```

7.280.1.2 ~SearchOptionsDefaultTypeInternal()

```
briar::SearchOptionsDefaultTypeInternal::~SearchOptionsDefaultTypeInternal ( ) [inline]
```

7.280.2 Member Data Documentation

7.280.2.1

```
union { ... }
```

7.280.2.2 _instance

```
SearchOptions briar::SearchOptionsDefaultTypeInternal::_instance
```

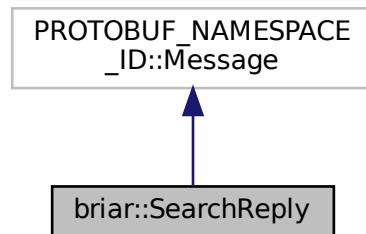
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

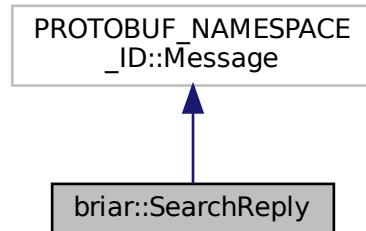
7.281 briar::SearchReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::SearchReply:



Collaboration diagram for briar::SearchReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kSimilaritiesFieldNumber = 1 , kProbeDetectionsFieldNumber = 2 , kDurationsFieldNumber = 3 ,
 kDetectReplyFieldNumber = 4 ,
 kExtractReplyFieldNumber = 5 , kErrorsFieldNumber = 6 , kProgressFieldNumber = 7 , kProgressOnlyReplyFieldNumber
 = 8 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * [add_probe_detections](#) ()
- ::briar::SearchMatchList * [add_similarities](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_detect_reply](#) ()
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_extract_reply](#) ()
- void [clear_probe_detections](#) ()
- void [clear_progress](#) ()
- void [clear_progress_only_reply](#) ()
- void [clear_similarities](#) ()
- void [CopyFrom](#) (const [SearchReply](#) &from)
- const ::briar::DetectReply & [detect_reply](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- const ::briar::ExtractReply & [extract_reply](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_detect_reply](#) () const
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_extract_reply](#) () const
- bool [has_progress](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [SearchReply](#) &from)
- ::briar::DetectReply * [mutable_detect_reply](#) ()
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::ExtractReply * [mutable_extract_reply](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * [mutable_probe_detections](#) ()
- ::briar::Detection * [mutable_probe_detections](#) (int index)
- ::briar::BriarProgress * [mutable_progress](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchList > * [mutable_similarities](#) ()
- ::briar::SearchMatchList * [mutable_similarities](#) (int index)
- [SearchReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [SearchReply](#) & [operator=](#) (const [SearchReply](#) &from)
- [SearchReply](#) & [operator=](#) ([SearchReply](#) &&from) noexcept
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [probe_detections](#) () const
- const ::briar::Detection & [probe_detections](#) (int index) const
- int [probe_detections_size](#) () const
- const ::briar::BriarProgress & [progress](#) () const
- bool [progress_only_reply](#) () const
- PROTOBUF_NODISCARD ::briar::DetectReply * [release_detect_reply](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::ExtractReply * [release_extract_reply](#) ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * [release_progress](#) ()

- `SearchReply ()`
- `PROTOBUF_CONSTEXPR SearchReply (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `SearchReply (const SearchReply &from)`
- `SearchReply (SearchReply &&from) noexcept`
- `void set_allocated_detect_reply (::briar::DetectReply *detect_reply)`
- `void set_allocated_durations (::briar::BriarDurations *durations)`
- `void set_allocated_errors (::briar::BriarErrors *errors)`
- `void set_allocated_extract_reply (::briar::ExtractReply *extract_reply)`
- `void set_allocated_progress (::briar::BriarProgress *progress)`
- `void set_progress_only_reply (bool value)`
- `const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::SearchMatchList > & similarities () const`
- `const ::briar::SearchMatchList & similarities (int index) const`
- `int similarities_size () const`
- `void Swap (SearchReply *other)`
- `::briar::DetectReply * unsafe_arena_release_detect_reply ()`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- `::briar::ExtractReply * unsafe_arena_release_extract_reply ()`
- `::briar::BriarProgress * unsafe_arena_release_progress ()`
- `void unsafe_arena_set_allocated_detect_reply (::briar::DetectReply *detect_reply)`
- `void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- `void unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- `void unsafe_arena_set_allocated_extract_reply (::briar::ExtractReply *extract_reply)`
- `void unsafe_arena_set_allocated_progress (::briar::BriarProgress *progress)`
- `void UnsafeArenaSwap (SearchReply *other)`
- `~SearchReply () override`

Static Public Member Functions

- `static const SearchReply & default_instance ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- `static const ::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- `static const SearchReply * internal_default_instance ()`

Static Public Attributes

- `static const ClassData _class_data_`
- `static constexpr int kIndexInFileMessages`

Protected Member Functions

- `SearchReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- `template<typename T >`
- `class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2zproto`
- `void swap (SearchReply &a, SearchReply &b)`

7.281.1 Member Enumeration Documentation

7.281.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSimilaritiesFieldNumber	
kProbeDetectionsFieldNumber	
kDurationsFieldNumber	
kDetectReplyFieldNumber	
kExtractReplyFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	
kProgressOnlyReplyFieldNumber	

7.281.2 Constructor & Destructor Documentation

7.281.2.1 SearchReply() [1/5]

```
briar::SearchReply::SearchReply ( ) [inline]
```

7.281.2.2 ~SearchReply()

```
briar::SearchReply::~SearchReply ( ) [override]
```

7.281.2.3 SearchReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchReply::SearchReply ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.281.2.4 SearchReply() [3/5]

```
briar::SearchReply::SearchReply (
    const SearchReply & from )
```

7.281.2.5 SearchReply() [4/5]

```
briar::SearchReply::SearchReply (
    SearchReply && from ) [inline], [noexcept]
```

7.281.2.6 SearchReply() [5/5]

```
briar::SearchReply::SearchReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.281.3 Member Function Documentation

7.281.3.1 _InternalParse()

```
const char * briar::SearchReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.281.3.2 _InternalSerialize()

```
uint8_t * briar::SearchReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.281.3.3 add_probe_detections()

```
briar::Detection * briar::SearchReply::add_probe_detections ( ) [inline]
```

7.281.3.4 add_similarities()

```
briar::SearchMatchList * briar::SearchReply::add_similarities ( ) [inline]
```

7.281.3.5 ByteSizeLong()

```
size_t briar::SearchReply::ByteSizeLong ( ) const [final]
```

7.281.3.6 Clear()

```
void briar::SearchReply::Clear ( ) [final]
```

7.281.3.7 clear_detect_reply()

```
void briar::SearchReply::clear_detect_reply ( ) [inline]
```

7.281.3.8 clear_durations()

```
void briar::SearchReply::clear_durations ( )
```

7.281.3.9 clear_errors()

```
void briar::SearchReply::clear_errors ( )
```

7.281.3.10 clear_extract_reply()

```
void briar::SearchReply::clear_extract_reply ( ) [inline]
```

7.281.3.11 clear_probe_detections()

```
void briar::SearchReply::clear_probe_detections ( )
```

7.281.3.12 clear_progress()

```
void briar::SearchReply::clear_progress ( )
```

7.281.3.13 clear_progress_only_reply()

```
void briar::SearchReply::clear_progress_only_reply ( ) [inline]
```

7.281.3.14 clear_similarities()

```
void briar::SearchReply::clear_similarities ( )
```

7.281.3.15 CopyFrom()

```
void briar::SearchReply::CopyFrom ( const SearchReply & from )
```

7.281.3.16 default_instance()

```
static const SearchReply& briar::SearchReply::default_instance ( ) [inline], [static]
```

7.281.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchReply::descriptor ( ) [inline], [static]
```

7.281.3.18 detect_reply()

```
const ::briar::DetectReply & briar::SearchReply::detect_reply ( ) const [inline]
```

7.281.3.19 durations()

```
const ::briar::BriarDurations & briar::SearchReply::durations () const [inline]
```

7.281.3.20 errors()

```
const ::briar::BriarErrors & briar::SearchReply::errors () const [inline]
```

7.281.3.21 extract_reply()

```
const ::briar::ExtractReply & briar::SearchReply::extract_reply () const [inline]
```

7.281.3.22 GetCachedSize()

```
int briar::SearchReply::GetCachedSize () const [inline], [final]
```

7.281.3.23 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchReply::GetClassData () const [final]
```

7.281.3.24 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchReply::GetDescriptor () [inline], [static]
```

7.281.3.25 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchReply::GetMetadata () const [final]
```

7.281.3.26 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchReply::GetReflection ( ) [inline],  
[static]
```

7.281.3.27 has_detect_reply()

```
bool briar::SearchReply::has_detect_reply ( ) const [inline]
```

7.281.3.28 has_durations()

```
bool briar::SearchReply::has_durations ( ) const [inline]
```

7.281.3.29 has_errors()

```
bool briar::SearchReply::has_errors ( ) const [inline]
```

7.281.3.30 has_extract_reply()

```
bool briar::SearchReply::has_extract_reply ( ) const [inline]
```

7.281.3.31 has_progress()

```
bool briar::SearchReply::has_progress ( ) const [inline]
```

7.281.3.32 internal_default_instance()

```
static const SearchReply* briar::SearchReply::internal_default_instance ( ) [inline], [static]
```

7.281.3.33 IsInitialized()

```
bool briar::SearchReply::IsInitialized ( ) const [final]
```

7.281.3.34 MergeFrom()

```
void briar::SearchReply::MergeFrom (
    const SearchReply & from )
```

7.281.3.35 mutable_detect_reply()

```
briar::DetectReply * briar::SearchReply::mutable_detect_reply ( ) [inline]
```

7.281.3.36 mutable_durations()

```
briar::BriarDurations * briar::SearchReply::mutable_durations ( ) [inline]
```

7.281.3.37 mutable_errors()

```
briar::BriarErrors * briar::SearchReply::mutable_errors ( ) [inline]
```

7.281.3.38 mutable_extract_reply()

```
briar::ExtractReply * briar::SearchReply::mutable_extract_reply ( ) [inline]
```

7.281.3.39 mutable_probe_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::SearchReply::mutable_←
probe_detections ( ) [inline]
```

7.281.3.40 mutable_probe_detections() [2/2]

```
briar::Detection * briar::SearchReply::mutable_probe_detections (
    int index ) [inline]
```

7.281.3.41 mutable_progress()

```
briar::BriarProgress * briar::SearchReply::mutable_progress ( ) [inline]
```

7.281.3.42 mutable_similarities() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchList> * briar::SearchReply::mutable_similarities ( ) [inline]
```

7.281.3.43 mutable_similarities() [2/2]

```
briar::SearchMatchList * briar::SearchReply::mutable_similarities (
    int index ) [inline]
```

7.281.3.44 New()

```
SearchReply* briar::SearchReply::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.281.3.45 operator=() [1/2]

```
SearchReply& briar::SearchReply::operator= (
    const SearchReply & from ) [inline]
```

7.281.3.46 operator=() [2/2]

```
SearchReply& briar::SearchReply::operator= (
    SearchReply && from ) [inline], [noexcept]
```

7.281.3.47 probe_detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::SearchReply::probe_detections() const [inline]
```

7.281.3.48 probe_detections() [2/2]

```
const ::briar::Detection & briar::SearchReply::probe_detections(int index) const [inline]
```

7.281.3.49 probe_detections_size()

```
int briar::SearchReply::probe_detections_size() const [inline]
```

7.281.3.50 progress()

```
const ::briar::BriarProgress & briar::SearchReply::progress() const [inline]
```

7.281.3.51 progress_only_reply()

```
bool briar::SearchReply::progress_only_reply() const [inline]
```

7.281.3.52 release_detect_reply()

```
briar::DetectReply * briar::SearchReply::release_detect_reply() [inline]
```

7.281.3.53 release_durations()

```
briar::BriarDurations * briar::SearchReply::release_durations() [inline]
```

7.281.3.54 release_errors()

```
briar::BriarErrors * briar::SearchReply::release_errors ( ) [inline]
```

7.281.3.55 release_extract_reply()

```
briar::ExtractReply * briar::SearchReply::release_extract_reply ( ) [inline]
```

7.281.3.56 release_progress()

```
briar::BriarProgress * briar::SearchReply::release_progress ( ) [inline]
```

7.281.3.57 set_allocated_detect_reply()

```
void briar::SearchReply::set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.281.3.58 set_allocated_durations()

```
void briar::SearchReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.281.3.59 set_allocated_errors()

```
void briar::SearchReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.281.3.60 set_allocated_extract_reply()

```
void briar::SearchReply::set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.281.3.61 set_allocated_progress()

```
void briar::SearchReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.281.3.62 set_progress_only_reply()

```
void briar::SearchReply::set_progress_only_reply (
    bool value ) [inline]
```

7.281.3.63 similarities() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::SearchMatchList> & briar::Search<-
Reply::similarities ( ) const [inline]
```

7.281.3.64 similarities() [2/2]

```
const ::briar::SearchMatchList & briar::SearchReply::similarities (
    int index ) const [inline]
```

7.281.3.65 similarities_size()

```
int briar::SearchReply::similarities_size ( ) const [inline]
```

7.281.3.66 Swap()

```
void briar::SearchReply::Swap (
    SearchReply * other ) [inline]
```

7.281.3.67 unsafe_arena_release_detect_reply()

```
briar::DetectReply * briar::SearchReply::unsafe_arena_release_detect_reply ( ) [inline]
```

7.281.3.68 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::SearchReply::unsafe_arena_release_durations ( ) [inline]
```

7.281.3.69 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::SearchReply::unsafe_arena_release_errors ( ) [inline]
```

7.281.3.70 unsafe_arena_release_extract_reply()

```
briar::ExtractReply * briar::SearchReply::unsafe_arena_release_extract_reply ( ) [inline]
```

7.281.3.71 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::SearchReply::unsafe_arena_release_progress ( ) [inline]
```

7.281.3.72 unsafe_arena_set_allocated_detect_reply()

```
void briar::SearchReply::unsafe_arena_set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.281.3.73 unsafe_arena_set_allocated_durations()

```
void briar::SearchReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.281.3.74 unsafe_arena_set_allocated_errors()

```
void briar::SearchReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.281.3.75 unsafe_arena_set_allocated_extract_reply()

```
void briar::SearchReply::unsafe_arena_set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.281.3.76 unsafe_arena_set_allocated_progress()

```
void briar::SearchReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.281.3.77 UnsafeArenaSwap()

```
void briar::SearchReply::UnsafeArenaSwap (
    SearchReply * other ) [inline]
```

7.281.4 Friends And Related Function Documentation

7.281.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.281.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.281.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.281.4.4 swap

```
void swap (
    SearchReply & a,
    SearchReply & b ) [friend]
```

7.281.5 Member Data Documentation

7.281.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    SearchReply::MergeImpl
}
```

7.281.5.2 `kIndexInFileMessages`

```
constexpr int briar::SearchReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

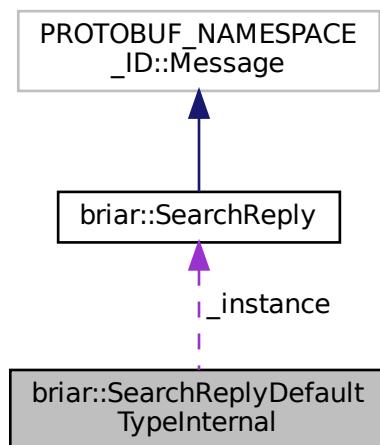
```
= 41
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.282 briar::SearchReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR SearchReplyDefaultTypeInternal ()
- ~SearchReplyDefaultTypeInternal ()

Public Attributes

- union {
 [SearchReply _instance](#)
};

7.282.1 Constructor & Destructor Documentation

7.282.1.1 SearchReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::SearchReplyDefaultTypeInternal::SearchReplyDefaultTypeInternal ( )  
[inline]
```

7.282.1.2 ~SearchReplyDefaultTypeInternal()

```
briar::SearchReplyDefaultTypeInternal::~SearchReplyDefaultTypeInternal ( ) [inline]
```

7.282.2 Member Data Documentation

7.282.2.1

```
union { ... }
```

7.282.2.2 _instance

```
SearchReply briar::SearchReplyDefaultTypeInternal::_instance
```

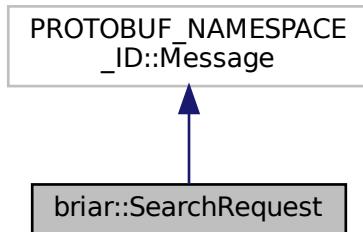
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

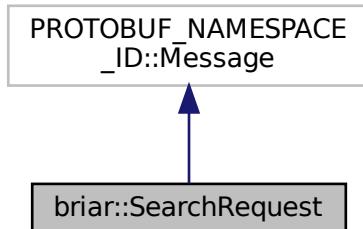
7.283 briar::SearchRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::SearchRequest:



Collaboration diagram for briar::SearchRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kDetectionsFieldNumber = 2 , kMediaFieldNumber = 1 , kProbesFieldNumber = 3 , kDatabaseFieldNumber
 = 4 ,
 kDurationsFieldNumber = 8 , kDetectOptionsFieldNumber = 9 , kExtractOptionsFieldNumber = 10 ,
 kSearchOptionsFieldNumber = 11 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * [add_detections](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_database](#) ()
- void [clear_detect_options](#) ()
- void [clear_detections](#) ()
- void [clear_durations](#) ()
- void [clear_extract_options](#) ()
- void [clear_media](#) ()
- void [clear_probes](#) ()
- void [clear_search_options](#) ()
- void [CopyFrom](#) (const [SearchRequest](#) &from)
- const ::briar::BriarDatabase & [database](#) () const
- const ::briar::DetectionOptions & [detect_options](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [detections](#) () const
- const ::briar::Detection & [detections](#) (int index) const
- int [detections_size](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::ExtractOptions & [extract_options](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_database](#) () const
- bool [has_detect_options](#) () const
- bool [has_durations](#) () const
- bool [has_extract_options](#) () const
- bool [has_media](#) () const
- bool [has_probes](#) () const
- bool [has_search_options](#) () const
- bool [IsInitialized](#) () const final
- const ::briar::BriarMedia & [media](#) () const
- void [MergeFrom](#) (const [SearchRequest](#) &from)
- ::briar::BriarDatabase * [mutable_database](#) ()
- ::briar::DetectionOptions * [mutable_detect_options](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * [mutable_detections](#) ()
- ::briar::Detection * [mutable_detections](#) (int index)
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::ExtractOptions * [mutable_extract_options](#) ()
- ::briar::BriarMedia * [mutable_media](#) ()
- ::briar::TemplateList * [mutable_probes](#) ()
- ::briar::SearchOptions * [mutable_search_options](#) ()
- [SearchRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [SearchRequest](#) & [operator=](#) (const [SearchRequest](#) &from)
- [SearchRequest](#) & [operator=](#) ([SearchRequest](#) &&from) noexcept
- const ::briar::TemplateList & [probes](#) () const
- PROTOBUF_NODISCARD ::briar::BriarDatabase * [release_database](#) ()
- PROTOBUF_NODISCARD ::briar::DetectionOptions * [release_detect_options](#) ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::ExtractOptions * [release_extract_options](#) ()

- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media()`
- PROTOBUF_NODISCARD ::briar::TemplateList * `release_probes()`
- PROTOBUF_NODISCARD ::briar::SearchOptions * `release_search_options()`
- const ::briar::SearchOptions & `search_options()` const
- `SearchRequest()`
- PROTOBUF_CONSTEXPR `SearchRequest`(::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `SearchRequest(const SearchRequest &from)`
- `SearchRequest(SearchRequest &&from) noexcept`
- void `set_allocated_database(::briar::BriarDatabase *database)`
- void `set_allocated_detect_options(::briar::DetectionOptions *detect_options)`
- void `set_allocated_durations(::briar::BriarDurations *durations)`
- void `set_allocated_extract_options(::briar::ExtractOptions *extract_options)`
- void `set_allocated_media(::briar::BriarMedia *media)`
- void `set_allocated_probes(::briar::TemplateList *probes)`
- void `set_allocated_search_options(::briar::SearchOptions *search_options)`
- void `Swap(SearchRequest *other)`
- ::briar::BriarDatabase * `unsafe_arena_release_database()`
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options()`
- ::briar::BriarDurations * `unsafe_arena_release_durations()`
- ::briar::ExtractOptions * `unsafe_arena_release_extract_options()`
- ::briar::BriarMedia * `unsafe_arena_release_media()`
- ::briar::TemplateList * `unsafe_arena_release_probes()`
- ::briar::SearchOptions * `unsafe_arena_release_search_options()`
- void `unsafe_arena_set_allocated_database(::briar::BriarDatabase *database)`
- void `unsafe_arena_set_allocated_detect_options(::briar::DetectionOptions *detect_options)`
- void `unsafe_arena_set_allocated_durations(::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_extract_options(::briar::ExtractOptions *extract_options)`
- void `unsafe_arena_set_allocated_media(::briar::BriarMedia *media)`
- void `unsafe_arena_set_allocated_probes(::briar::TemplateList *probes)`
- void `unsafe_arena_set_allocated_search_options(::briar::SearchOptions *search_options)`
- void `UnsafeArenaSwap(SearchRequest *other)`
- `~SearchRequest()` override

Static Public Member Functions

- static const `SearchRequest & default_instance()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor()`
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor()`
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection()`
- static const `SearchRequest * internal_default_instance()`

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `SearchRequest(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void swap (SearchRequest &a, SearchRequest &b)

7.283.1 Member Enumeration Documentation

7.283.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber	
kMediaFieldNumber	
kProbesFieldNumber	
kDatabaseFieldNumber	
kDurationsFieldNumber	
kDetectOptionsFieldNumber	
kExtractOptionsFieldNumber	
kSearchOptionsFieldNumber	

7.283.2 Constructor & Destructor Documentation

7.283.2.1 SearchRequest() [1/5]

```
briar::SearchRequest::SearchRequest ( ) [inline]
```

7.283.2.2 ~SearchRequest()

```
briar::SearchRequest::~SearchRequest ( ) [override]
```

7.283.2.3 SearchRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::SearchRequest::SearchRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.283.2.4 SearchRequest() [3/5]

```
briar::SearchRequest::SearchRequest (
    const SearchRequest & from )
```

7.283.2.5 SearchRequest() [4/5]

```
briar::SearchRequest::SearchRequest (
    SearchRequest && from ) [inline], [noexcept]
```

7.283.2.6 SearchRequest() [5/5]

```
briar::SearchRequest::SearchRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.283.3 Member Function Documentation

7.283.3.1 _InternalParse()

```
const char * briar::SearchRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.283.3.2 _InternalSerialize()

```
uint8_t * briar::SearchRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.283.3.3 add_detections()

```
briar::Detection * briar::SearchRequest::add_detections ( ) [inline]
```

7.283.3.4 ByteSizeLong()

```
size_t briar::SearchRequest::ByteSizeLong ( ) const [final]
```

7.283.3.5 Clear()

```
void briar::SearchRequest::Clear ( ) [final]
```

7.283.3.6 clear_database()

```
void briar::SearchRequest::clear_database ( )
```

7.283.3.7 clear_detect_options()

```
void briar::SearchRequest::clear_detect_options ( )
```

7.283.3.8 clear_detections()

```
void briar::SearchRequest::clear_detections ( )
```

7.283.3.9 clear_durations()

```
void briar::SearchRequest::clear_durations ( )
```

7.283.3.10 clear_extract_options()

```
void briar::SearchRequest::clear_extract_options ( )
```

7.283.3.11 clear_media()

```
void briar::SearchRequest::clear_media ( )
```

7.283.3.12 clear_probes()

```
void briar::SearchRequest::clear_probes ( )
```

7.283.3.13 clear_search_options()

```
void briar::SearchRequest::clear_search_options ( )
```

7.283.3.14 CopyFrom()

```
void briar::SearchRequest::CopyFrom (
    const SearchRequest & from )
```

7.283.3.15 database()

```
const ::briar::BriarDatabase & briar::SearchRequest::database ( ) const [inline]
```

7.283.3.16 default_instance()

```
static const SearchRequest& briar::SearchRequest::default_instance ( ) [inline], [static]
```

7.283.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchRequest::descriptor ( ) [inline], [static]
```

7.283.3.18 detect_options()

```
const ::briar::DetectionOptions & briar::SearchRequest::detect_options () const [inline]
```

7.283.3.19 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::SearchRequest::detections () const [inline]
```

7.283.3.20 detections() [2/2]

```
const ::briar::Detection & briar::SearchRequest::detections (int index) const [inline]
```

7.283.3.21 detections_size()

```
int briar::SearchRequest::detections_size () const [inline]
```

7.283.3.22 durations()

```
const ::briar::BriarDurations & briar::SearchRequest::durations () const [inline]
```

7.283.3.23 extract_options()

```
const ::briar::ExtractOptions & briar::SearchRequest::extract_options () const [inline]
```

7.283.3.24 GetCachedSize()

```
int briar::SearchRequest::GetCachedSize () const [inline], [final]
```

7.283.3.25 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::SearchRequest::GetClassData ( )
const [final]
```

7.283.3.26 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::SearchRequest::GetDescriptor ( )
[inline], [static]
```

7.283.3.27 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::SearchRequest::GetMetadata ( ) const [final]
```

7.283.3.28 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::SearchRequest::GetReflection ( )
[inline], [static]
```

7.283.3.29 has_database()

```
bool briar::SearchRequest::has_database ( ) const [inline]
```

7.283.3.30 has_detect_options()

```
bool briar::SearchRequest::has_detect_options ( ) const [inline]
```

7.283.3.31 has_durations()

```
bool briar::SearchRequest::has_durations ( ) const [inline]
```

7.283.3.32 has_extract_options()

```
bool briar::SearchRequest::has_extract_options () const [inline]
```

7.283.3.33 has_media()

```
bool briar::SearchRequest::has_media () const [inline]
```

7.283.3.34 has_probes()

```
bool briar::SearchRequest::has_probes () const [inline]
```

7.283.3.35 has_search_options()

```
bool briar::SearchRequest::has_search_options () const [inline]
```

7.283.3.36 internal_default_instance()

```
static const SearchRequest* briar::SearchRequest::internal_default_instance () [inline],  
[static]
```

7.283.3.37 IsInitialized()

```
bool briar::SearchRequest::IsInitialized () const [final]
```

7.283.3.38 media()

```
const ::briar::BriarMedia & briar::SearchRequest::media () const [inline]
```

7.283.3.39 MergeFrom()

```
void briar::SearchRequest::MergeFrom (
    const SearchRequest & from )
```

7.283.3.40 mutable_database()

```
briar::BriarDatabase * briar::SearchRequest::mutable_database ( ) [inline]
```

7.283.3.41 mutable_detect_options()

```
briar::DetectionOptions * briar::SearchRequest::mutable_detect_options ( ) [inline]
```

7.283.3.42 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::SearchRequest::mutable→
_detections ( ) [inline]
```

7.283.3.43 mutable_detections() [2/2]

```
briar::Detection * briar::SearchRequest::mutable_detections (
    int index ) [inline]
```

7.283.3.44 mutable_durations()

```
briar::BriarDurations * briar::SearchRequest::mutable_durations ( ) [inline]
```

7.283.3.45 mutable_extract_options()

```
briar::ExtractOptions * briar::SearchRequest::mutable_extract_options ( ) [inline]
```

7.283.3.46 mutable_media()

```
briar::BriarMedia * briar::SearchRequest::mutable_media ( ) [inline]
```

7.283.3.47 mutable_probes()

```
briar::TemplateList * briar::SearchRequest::mutable_probes ( ) [inline]
```

7.283.3.48 mutable_search_options()

```
briar::SearchOptions * briar::SearchRequest::mutable_search_options ( ) [inline]
```

7.283.3.49 New()

```
SearchRequest* briar::SearchRequest::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.283.3.50 operator=() [1/2]

```
SearchRequest& briar::SearchRequest::operator= (   
    const SearchRequest & from ) [inline]
```

7.283.3.51 operator=() [2/2]

```
SearchRequest& briar::SearchRequest::operator= (   
    SearchRequest && from ) [inline], [noexcept]
```

7.283.3.52 probes()

```
const ::briar::TemplateList & briar::SearchRequest::probes ( ) const [inline]
```

7.283.3.53 release_database()

```
briar::BriarDatabase * briar::SearchRequest::release_database ( ) [inline]
```

7.283.3.54 release_detect_options()

```
briar::DetectionOptions * briar::SearchRequest::release_detect_options ( ) [inline]
```

7.283.3.55 release_durations()

```
briar::BriarDurations * briar::SearchRequest::release_durations ( ) [inline]
```

7.283.3.56 release_extract_options()

```
briar::ExtractOptions * briar::SearchRequest::release_extract_options ( ) [inline]
```

7.283.3.57 release_media()

```
briar::BriarMedia * briar::SearchRequest::release_media ( ) [inline]
```

7.283.3.58 release_probes()

```
briar::TemplateList * briar::SearchRequest::release_probes ( ) [inline]
```

7.283.3.59 release_search_options()

```
briar::SearchOptions * briar::SearchRequest::release_search_options ( ) [inline]
```

7.283.3.60 search_options()

```
const ::briar::SearchOptions & briar::SearchRequest::search_options ( ) const [inline]
```

7.283.3.61 set_allocated_database()

```
void briar::SearchRequest::set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.283.3.62 set_allocated_detect_options()

```
void briar::SearchRequest::set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.283.3.63 set_allocated_durations()

```
void briar::SearchRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.283.3.64 set_allocated_extract_options()

```
void briar::SearchRequest::set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.283.3.65 set_allocated_media()

```
void briar::SearchRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.283.3.66 set_allocated_probes()

```
void briar::SearchRequest::set_allocated_probes (
    ::briar::TemplateList * probes ) [inline]
```

7.283.3.67 set_allocated_search_options()

```
void briar::SearchRequest::set_allocated_search_options (
    ::briar::SearchOptions * search_options ) [inline]
```

7.283.3.68 Swap()

```
void briar::SearchRequest::Swap (
    SearchRequest * other ) [inline]
```

7.283.3.69 unsafe_arena_release_database()

```
briar::BriarDatabase * briar::SearchRequest::unsafe_arena_release_database () [inline]
```

7.283.3.70 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::SearchRequest::unsafe_arena_release_detect_options () [inline]
```

7.283.3.71 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::SearchRequest::unsafe_arena_release_durations () [inline]
```

7.283.3.72 unsafe_arena_release_extract_options()

```
briar::ExtractOptions * briar::SearchRequest::unsafe_arena_release_extract_options () [inline]
```

7.283.3.73 unsafe_arena_release_media()

```
briar::BriarMedia * briar::SearchRequest::unsafe_arena_release_media () [inline]
```

7.283.3.74 unsafe_arena_release_probes()

```
briar::TemplateList * briar::SearchRequest::unsafe_arena_release_probes () [inline]
```

7.283.3.75 unsafe_arena_release_search_options()

```
briar::SearchOptions * briar::SearchRequest::unsafe_arena_release_search_options ( ) [inline]
```

7.283.3.76 unsafe_arena_set_allocated_database()

```
void briar::SearchRequest::unsafe_arena_set_allocated_database (
    ::briar::BriarDatabase * database ) [inline]
```

7.283.3.77 unsafe_arena_set_allocated_detect_options()

```
void briar::SearchRequest::unsafe_arena_set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.283.3.78 unsafe_arena_set_allocated_durations()

```
void briar::SearchRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.283.3.79 unsafe_arena_set_allocated_extract_options()

```
void briar::SearchRequest::unsafe_arena_set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.283.3.80 unsafe_arena_set_allocated_media()

```
void briar::SearchRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.283.3.81 unsafe_arena_set_allocated_probes()

```
void briar::SearchRequest::unsafe_arena_set_allocated_probes (
    ::briar::TemplateList * probes ) [inline]
```

7.283.3.82 unsafe_arena_set_allocated_search_options()

```
void briar::SearchRequest::unsafe_arena_set_allocated_search_options (
    ::briar::SearchOptions * search_options ) [inline]
```

7.283.3.83 UnsafeArenaSwap()

```
void briar::SearchRequest::UnsafeArenaSwap (
    SearchRequest * other ) [inline]
```

7.283.4 Friends And Related Function Documentation

7.283.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.283.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.283.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.283.4.4 swap

```
void swap (
    SearchRequest & a,
    SearchRequest & b ) [friend]
```

7.283.5 Member Data Documentation

7.283.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::SearchRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    SearchRequest::MergeImpl
}
```

7.283.5.2 `kIndexInFileMessages`

```
constexpr int briar::SearchRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

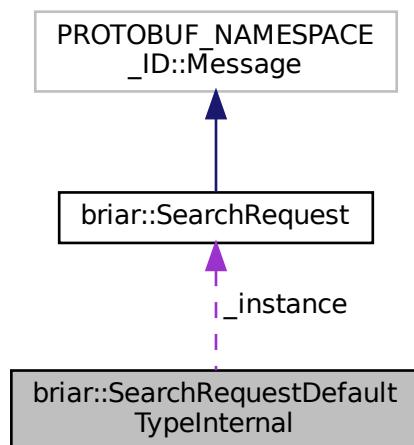
```
= 39
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.284 briar::SearchRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::SearchRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [SearchRequestDefaultTypeInternal \(\)](#)
- [~SearchRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [SearchRequest _instance](#)
};

7.284.1 Constructor & Destructor Documentation

7.284.1.1 [SearchRequestDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::SearchRequestDefaultTypeInternal::SearchRequestDefaultTypeInternal ( ) [inline]
```

7.284.1.2 [~SearchRequestDefaultTypeInternal\(\)](#)

```
briar::SearchRequestDefaultTypeInternal::~SearchRequestDefaultTypeInternal ( ) [inline]
```

7.284.2 Member Data Documentation

7.284.2.1

```
union { ... }
```

7.284.2.2 [_instance](#)

```
SearchRequest briar::SearchRequestDefaultTypeInternal::_instance
```

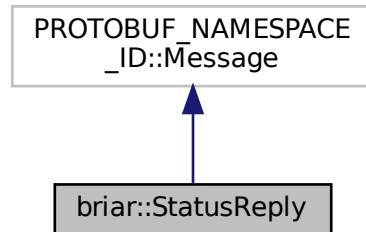
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

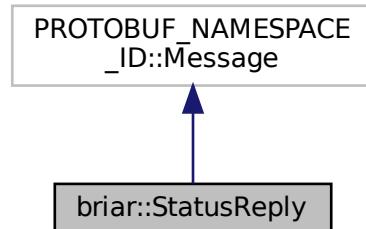
7.285 briar::StatusReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::StatusReply:



Collaboration diagram for briar::StatusReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kConfigurationFieldNumber = 7 , kDeveloperNameFieldNumber = 1 , kDevShortFieldNumber = 2 ,
 kServiceNameFieldNumber = 3 ,
 kVersionFieldNumber = 4 , kApiVersionFieldNumber = 5 , kStatusFieldNumber = 6 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_configuration` ()
- const ::briar::APIVersion & `api_version` () const
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_api_version` ()
- void `clear_configuration` ()
- void `clear_dev_short` ()
- void `clear_developer_name` ()
- void `clear_service_name` ()
- void `clear_status` ()
- void `clear_version` ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `configuration` () const
- const ::briar::Attribute & `configuration` (int index) const
- int `configuration_size` () const
- void `CopyFrom` (const `StatusReply` &from)
- const std::string & `dev_short` () const
- const std::string & `developer_name` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_api_version` () const
- bool `has_version` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `StatusReply` &from)
- ::briar::APIVersion * `mutable_api_version` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_configuration` ()
- ::briar::Attribute * `mutable_configuration` (int index)
- std::string * `mutable_dev_short` ()
- std::string * `mutable_developer_name` ()
- std::string * `mutable_service_name` ()
- ::briar::APIVersion * `mutable_version` ()
- `StatusReply` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `StatusReply` & `operator=` (const `StatusReply` &from)
- `StatusReply` & `operator=` (`StatusReply` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::APIVersion * `release_api_version` ()
- PROTOBUF_NODISCARD std::string * `release_dev_short` ()
- PROTOBUF_NODISCARD std::string * `release_developer_name` ()
- PROTOBUF_NODISCARD std::string * `release_service_name` ()
- PROTOBUF_NODISCARD ::briar::APIVersion * `release_version` ()
- const std::string & `service_name` () const
- void `set_allocated_api_version` (::briar::APIVersion *`api_version`)
- void `set_allocated_dev_short` (std::string *`dev_short`)
- void `set_allocated_developer_name` (std::string *`developer_name`)
- void `set_allocated_service_name` (std::string *`service_name`)
- void `set_allocated_version` (::briar::APIVersion *`version`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_dev_short` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_dev_short` (ArgT0 &&arg0, ArgT... args)

- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_developer_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_developer_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_service_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_service_name](#) (ArgT0 &&arg0, ArgT... args)
- void [set_status](#) (::briar::BriarServiceStatus value)
- ::briar::BriarServiceStatus [status](#) () const
- [StatusReply](#) ()
- PROTOBUF_CONSTEXPR [StatusReply](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [StatusReply](#) (const [StatusReply](#) &from)
- [StatusReply](#) ([StatusReply](#) &&from) noexcept
- void [Swap](#) ([StatusReply](#) *other)
- ::briar::APIVersion * [unsafe_arena_release_api_version](#) ()
- ::briar::APIVersion * [unsafe_arena_release_version](#) ()
- void [unsafe_arena_set_allocated_api_version](#) (::briar::APIVersion *api_version)
- void [unsafe_arena_set_allocated_version](#) (::briar::APIVersion *version)
- void [UnsafeArenaSwap](#) ([StatusReply](#) *other)
- const ::briar::APIVersion & [version](#) () const
- [~StatusReply](#) () override

Static Public Member Functions

- static const [StatusReply](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [StatusReply](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [StatusReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2aproto
- void [swap](#) ([StatusReply](#) &a, [StatusReply](#) &b)

7.285.1 Member Enumeration Documentation

7.285.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kConfigurationFieldNumber	
kDeveloperNameFieldNumber	
kDevShortFieldNumber	
kServiceNameFieldNumber	
kVersionFieldNumber	
kApiVersionFieldNumber	
kStatusFieldNumber	

7.285.2 Constructor & Destructor Documentation**7.285.2.1 StatusReply() [1/5]**

```
briar::StatusReply::StatusReply ( ) [inline]
```

7.285.2.2 ~StatusReply()

```
briar::StatusReply::~StatusReply ( ) [override]
```

7.285.2.3 StatusReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::StatusReply::StatusReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.285.2.4 StatusReply() [3/5]

```
briar::StatusReply::StatusReply (
    const StatusReply & from )
```

7.285.2.5 StatusReply() [4/5]

```
briar::StatusReply::StatusReply (
    StatusReply && from ) [inline], [noexcept]
```

7.285.2.6 StatusReply() [5/5]

```
briar::StatusReply::StatusReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.285.3 Member Function Documentation

7.285.3.1 _InternalParse()

```
const char * briar::StatusReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.285.3.2 _InternalSerialize()

```
uint8_t * briar::StatusReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.285.3.3 add_configuration()

```
briar::Attribute * briar::StatusReply::add_configuration () [inline]
```

7.285.3.4 api_version()

```
const ::briar::APIVersion & briar::StatusReply::api_version () const [inline]
```

7.285.3.5 ByteSizeLong()

```
size_t briar::StatusReply::ByteSizeLong () const [final]
```

7.285.3.6 `Clear()`

```
void briar::StatusReply::Clear ( ) [final]
```

7.285.3.7 `clear_api_version()`

```
void briar::StatusReply::clear_api_version ( )
```

7.285.3.8 `clear_configuration()`

```
void briar::StatusReply::clear_configuration ( )
```

7.285.3.9 `clear_dev_short()`

```
void briar::StatusReply::clear_dev_short ( ) [inline]
```

7.285.3.10 `clear_developer_name()`

```
void briar::StatusReply::clear_developer_name ( ) [inline]
```

7.285.3.11 `clear_service_name()`

```
void briar::StatusReply::clear_service_name ( ) [inline]
```

7.285.3.12 `clear_status()`

```
void briar::StatusReply::clear_status ( ) [inline]
```

7.285.3.13 `clear_version()`

```
void briar::StatusReply::clear_version ( )
```

7.285.3.14 configuration() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::StatusReply::configuration() const [inline]
```

7.285.3.15 configuration() [2/2]

```
const ::briar::Attribute & briar::StatusReply::configuration(int index) const [inline]
```

7.285.3.16 configuration_size()

```
int briar::StatusReply::configuration_size() const [inline]
```

7.285.3.17 CopyFrom()

```
void briar::StatusReply::CopyFrom(const StatusReply & from)
```

7.285.3.18 default_instance()

```
static const StatusReply& briar::StatusReply::default_instance() [inline], [static]
```

7.285.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StatusReply::descriptor() [inline], [static]
```

7.285.3.20 dev_short()

```
const std::string & briar::StatusReply::dev_short() const [inline]
```

7.285.3.21 developer_name()

```
const std::string & briar::StatusReply::developer_name ( ) const [inline]
```

7.285.3.22 GetCachedSize()

```
int briar::StatusReply::GetCachedSize ( ) const [inline], [final]
```

7.285.3.23 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::StatusReply::GetClassData ( ) const [final]
```

7.285.3.24 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StatusReply::GetDescriptor ( ) [inline], [static]
```

7.285.3.25 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::StatusReply::GetMetadata ( ) const [final]
```

7.285.3.26 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::StatusReply::GetReflection ( ) [inline], [static]
```

7.285.3.27 has_api_version()

```
bool briar::StatusReply::has_api_version ( ) const [inline]
```

7.285.3.28 has_version()

```
bool briar::StatusReply::has_version ( ) const [inline]
```

7.285.3.29 internal_default_instance()

```
static const StatusReply* briar::StatusReply::internal_default_instance ( ) [inline], [static]
```

7.285.3.30 IsInitialized()

```
bool briar::StatusReply::IsInitialized ( ) const [final]
```

7.285.3.31 MergeFrom()

```
void briar::StatusReply::MergeFrom (
    const StatusReply & from )
```

7.285.3.32 mutable_api_version()

```
briar::APIVersion * briar::StatusReply::mutable_api_version ( ) [inline]
```

7.285.3.33 mutable_configuration() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::StatusReply::mutable_<-
configuration ( ) [inline]
```

7.285.3.34 mutable_configuration() [2/2]

```
briar::Attribute * briar::StatusReply::mutable_configuration (
    int index ) [inline]
```

7.285.3.35 `mutable_dev_short()`

```
std::string * briar::StatusReply::mutable_dev_short ( ) [inline]
```

7.285.3.36 `mutable_developer_name()`

```
std::string * briar::StatusReply::mutable_developer_name ( ) [inline]
```

7.285.3.37 `mutable_service_name()`

```
std::string * briar::StatusReply::mutable_service_name ( ) [inline]
```

7.285.3.38 `mutable_version()`

```
briar::APIVersion * briar::StatusReply::mutable_version ( ) [inline]
```

7.285.3.39 `New()`

```
StatusReply* briar::StatusReply::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.285.3.40 `operator=() [1/2]`

```
StatusReply& briar::StatusReply::operator= ( const StatusReply & from ) [inline]
```

7.285.3.41 `operator=() [2/2]`

```
StatusReply& briar::StatusReply::operator= ( StatusReply && from ) [inline], [noexcept]
```

7.285.3.42 release_api_version()

```
briar::APIVersion * briar::StatusReply::release_api_version ( ) [inline]
```

7.285.3.43 release_dev_short()

```
std::string * briar::StatusReply::release_dev_short ( ) [inline]
```

7.285.3.44 release_developer_name()

```
std::string * briar::StatusReply::release_developer_name ( ) [inline]
```

7.285.3.45 release_service_name()

```
std::string * briar::StatusReply::release_service_name ( ) [inline]
```

7.285.3.46 release_version()

```
briar::APIVersion * briar::StatusReply::release_version ( ) [inline]
```

7.285.3.47 service_name()

```
const std::string & briar::StatusReply::service_name ( ) const [inline]
```

7.285.3.48 set_allocated_api_version()

```
void briar::StatusReply::set_allocated_api_version (
    ::briar::APIVersion * api_version ) [inline]
```

7.285.3.49 set_allocated_dev_short()

```
void briar::StatusReply::set_allocated_dev_short (
    std::string * dev_short ) [inline]
```

7.285.3.50 set_allocated_developer_name()

```
void briar::StatusReply::set_allocated_developer_name (
    std::string * developer_name ) [inline]
```

7.285.3.51 set_allocated_service_name()

```
void briar::StatusReply::set_allocated_service_name (
    std::string * service_name ) [inline]
```

7.285.3.52 set_allocated_version()

```
void briar::StatusReply::set_allocated_version (
    ::briar::APIVersion * version ) [inline]
```

7.285.3.53 set_dev_short() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::StatusReply::set_dev_short (
    ArgT0 && arg0,
    ArgT... args )
```

7.285.3.54 set_dev_short() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::StatusReply::set_dev_short (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.285.3.55 set_developer_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::StatusReply::set_developer_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.285.3.56 set_developer_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::StatusReply::set_developer_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.285.3.57 set_service_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::StatusReply::set_service_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.285.3.58 set_service_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::StatusReply::set_service_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.285.3.59 set_status()

```
void briar::StatusReply::set_status (
    ::briar::BriarServiceStatus value ) [inline]
```

7.285.3.60 status()

```
briar::BriarServiceStatus briar::StatusReply::status ( ) const [inline]
```

7.285.3.61 Swap()

```
void briar::StatusReply::Swap (
    StatusReply * other ) [inline]
```

7.285.3.62 unsafe_arena_release_api_version()

```
briar::APIVersion * briar::StatusReply::unsafe_arena_release_api_version ( ) [inline]
```

7.285.3.63 unsafe_arena_release_version()

```
briar::APIVersion * briar::StatusReply::unsafe_arena_release_version ( ) [inline]
```

7.285.3.64 unsafe_arena_set_allocated_api_version()

```
void briar::StatusReply::unsafe_arena_set_allocated_api_version (
    ::briar::APIVersion * api_version ) [inline]
```

7.285.3.65 unsafe_arena_set_allocated_version()

```
void briar::StatusReply::unsafe_arena_set_allocated_version (
    ::briar::APIVersion * version ) [inline]
```

7.285.3.66 UnsafeArenaSwap()

```
void briar::StatusReply::UnsafeArenaSwap (
    StatusReply * other ) [inline]
```

7.285.3.67 version()

```
const ::briar::APIVersion & briar::StatusReply::version ( ) const [inline]
```

7.285.4 Friends And Related Function Documentation

7.285.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.285.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.285.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.285.4.4 swap

```
void swap (
    StatusReply & a,
    StatusReply & b ) [friend]
```

7.285.5 Member Data Documentation

7.285.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::StatusReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    StatusReply::MergeImpl
}
```

7.285.5.2 kIndexInFileMessages

```
constexpr int briar::StatusReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

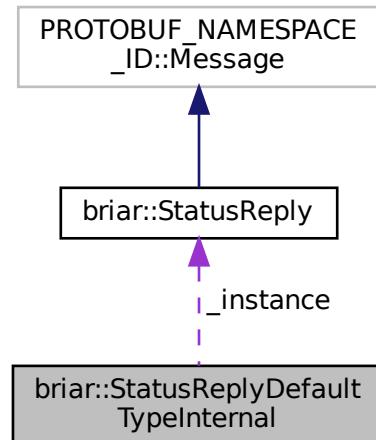
```
= 8
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.286 briar::StatusReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::StatusReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR StatusReplyDefaultTypeInternal ()
- [~StatusReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 StatusReply _instance
 };

7.286.1 Constructor & Destructor Documentation

7.286.1.1 StatusReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::StatusReplyDefaultTypeInternal::StatusReplyDefaultTypeInternal ( )  
[inline]
```

7.286.1.2 ~StatusReplyDefaultTypeInternal()

```
briar::StatusReplyDefaultTypeInternal::~StatusReplyDefaultTypeInternal ( ) [inline]
```

7.286.2 Member Data Documentation

7.286.2.1

```
union { ... }
```

7.286.2.2 _instance

```
StatusReply briar::StatusReplyDefaultTypeInternal::_instance
```

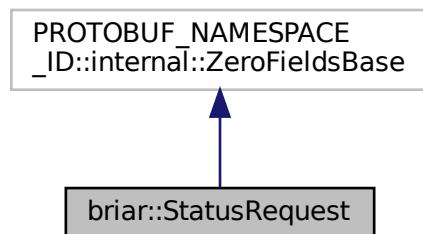
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

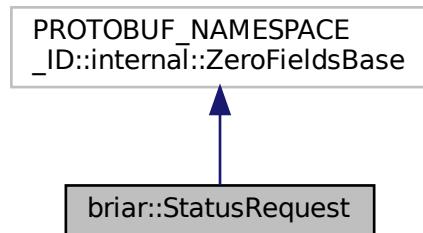
7.287 briar::StatusRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::StatusRequest:



Collaboration diagram for briar::StatusRequest:



Classes

- class [_Internal](#)

Public Member Functions

- void [CopyFrom](#) (const [StatusRequest](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [StatusRequest](#) &from)
- [StatusRequest](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [StatusRequest](#) & [operator=](#) (const [StatusRequest](#) &from)
- [StatusRequest](#) & [operator=](#) ([StatusRequest](#) &&from) noexcept
- [StatusRequest](#) ()
- PROTOBUF_CONSTEXPR [StatusRequest](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [StatusRequest](#) (const [StatusRequest](#) &from)
- [StatusRequest](#) ([StatusRequest](#) &&from) noexcept
- void [Swap](#) ([StatusRequest](#) *other)
- void [UnsafeArenaSwap](#) ([StatusRequest](#) *other)

Static Public Member Functions

- static const [StatusRequest & default_instance \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor \(\)](#)
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection \(\)](#)
- static const [StatusRequest * internal_default_instance \(\)](#)

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [StatusRequest \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class [::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper](#)
- class [::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata](#)
- struct [::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto](#)
- void [swap \(StatusRequest &a, StatusRequest &b\)](#)

7.287.1 Constructor & Destructor Documentation

7.287.1.1 StatusRequest() [1/5]

```
briar::StatusRequest::StatusRequest ( ) [inline]
```

7.287.1.2 StatusRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::StatusRequest::StatusRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.287.1.3 StatusRequest() [3/5]

```
briar::StatusRequest::StatusRequest (
    const StatusRequest & from )
```

7.287.1.4 StatusRequest() [4/5]

```
briar::StatusRequest::StatusRequest (
    StatusRequest && from ) [inline], [noexcept]
```

7.287.1.5 StatusRequest() [5/5]

```
briar::StatusRequest::StatusRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.287.2 Member Function Documentation

7.287.2.1 CopyFrom()

```
void briar::StatusRequest::CopyFrom (
    const StatusRequest & from ) [inline]
```

7.287.2.2 default_instance()

```
static const StatusRequest& briar::StatusRequest::default_instance () [inline], [static]
```

7.287.2.3 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StatusRequest::descriptor () [inline], [static]
```

7.287.2.4 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::StatusRequest::GetClassData () const [final]
```

7.287.2.5 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StatusRequest::GetDescriptor ( )  
[inline], [static]
```

7.287.2.6 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::StatusRequest::GetMetadata ( ) const [final]
```

7.287.2.7 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::StatusRequest::GetReflection ( )  
[inline], [static]
```

7.287.2.8 internal_default_instance()

```
static const StatusRequest* briar::StatusRequest::internal_default_instance ( ) [inline],  
[static]
```

7.287.2.9 MergeFrom()

```
void briar::StatusRequest::MergeFrom (const StatusRequest & from) [inline]
```

7.287.2.10 New()

```
StatusRequest* briar::StatusRequest::New (::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr) const [inline], [final]
```

7.287.2.11 operator=() [1/2]

```
StatusRequest& briar::StatusRequest::operator= (const StatusRequest & from) [inline]
```

7.287.2.12 operator=() [2/2]

```
StatusRequest& briar::StatusRequest::operator= (
    StatusRequest && from )  [inline], [noexcept]
```

7.287.2.13 Swap()

```
void briar::StatusRequest::Swap (
    StatusRequest * other )  [inline]
```

7.287.2.14 UnsafeArenaSwap()

```
void briar::StatusRequest::UnsafeArenaSwap (
    StatusRequest * other )  [inline]
```

7.287.3 Friends And Related Function Documentation

7.287.3.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper  [friend]
```

7.287.3.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata  [friend]
```

7.287.3.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto  [friend]
```

7.287.3.4 swap

```
void swap (
    StatusRequest & a,
    StatusRequest & b )  [friend]
```

7.287.4 Member Data Documentation

7.287.4.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::StatusRequest::_class_data_ [static]
```

Initial value:

```
= {  
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::CopyImpl,  
    ::PROTOBUF_NAMESPACE_ID::internal::ZeroFieldsBase::MergeImpl,  
}
```

7.287.4.2 `kIndexInFileMessages`

```
constexpr int briar::StatusRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

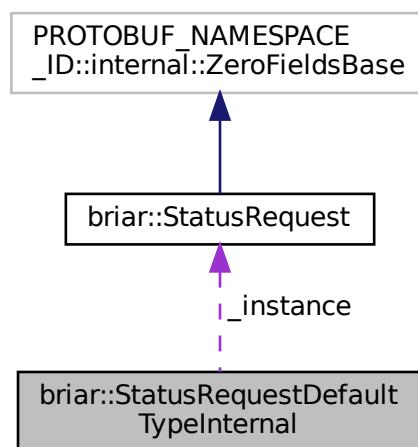
```
= 7
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.288 briar::StatusRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::StatusRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR StatusRequestDefaultTypeInternal ()
- ~StatusRequestDefaultTypeInternal ()

Public Attributes

- union {
 StatusRequest _instance
};

7.288.1 Constructor & Destructor Documentation

7.288.1.1 StatusRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::StatusRequestDefaultTypeInternal::StatusRequestDefaultTypeInternal ( ) [inline]
```

7.288.1.2 ~StatusRequestDefaultTypeInternal()

```
briar::StatusRequestDefaultTypeInternal::~StatusRequestDefaultTypeInternal ( ) [inline]
```

7.288.2 Member Data Documentation

7.288.2.1

```
union { ... }
```

7.288.2.2 _instance

```
StatusRequest briar::StatusRequestDefaultTypeInternal::_instance
```

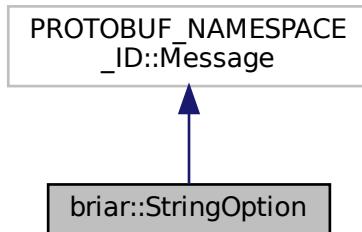
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

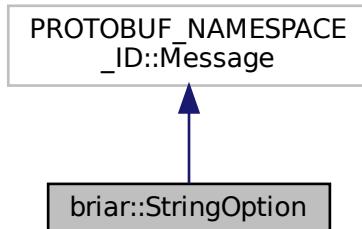
7.289 briar::StringOption Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::StringOption:



Collaboration diagram for briar::StringOption:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kValueFieldNumber = 2](#) , [kOverrideDefaultFieldNumber = 1](#) }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_override_default` ()
- void `clear_value` ()
- void `CopyFrom` (const `StringOption` &from)
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- void `MergeFrom` (const `StringOption` &from)
- std::string * `mutable_value` ()
- `StringOption` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `StringOption` & `operator=` (const `StringOption` &from)
- `StringOption` & `operator=` (`StringOption` &&from) noexcept
- bool `override_default` () const
- PROTOBUF_NODISCARD std::string * `release_value` ()
- void `set_allocated_value` (std::string *value)
- void `set_override_default` (bool value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_value` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0, typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_value` (ArgT0 &&arg0, ArgT... args)
- `StringOption` ()
- PROTOBUF_CONSTEXPR `StringOption` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `StringOption` (const `StringOption` &from)
- `StringOption` (`StringOption` &&from) noexcept
- void `Swap` (`StringOption` *other)
- void `UnsafeArenaSwap` (`StringOption` *other)
- const std::string & `value` () const
- `~StringOption` () override

Static Public Member Functions

- static const `StringOption` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `StringOption` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `StringOption` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned`=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgRPC_2fbriar_2eproto
- void swap (StringOption &a, StringOption &b)

7.289.1 Member Enumeration Documentation

7.289.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kValueFieldNumber	
kOverrideDefaultFieldNumber	

7.289.2 Constructor & Destructor Documentation

7.289.2.1 StringOption() [1/5]

```
briar::StringOption::StringOption ( ) [inline]
```

7.289.2.2 ~StringOption()

```
briar::StringOption::~StringOption ( ) [override]
```

7.289.2.3 StringOption() [2/5]

```
PROTOBUF_CONSTEXPR briar::StringOption::StringOption ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.289.2.4 `StringOption()` [3/5]

```
briar::StringOption::StringOption (
    const StringOption & from )
```

7.289.2.5 `StringOption()` [4/5]

```
briar::StringOption::StringOption (
    StringOption && from ) [inline], [noexcept]
```

7.289.2.6 `StringOption()` [5/5]

```
briar::StringOption::StringOption (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.289.3 Member Function Documentation

7.289.3.1 `_InternalParse()`

```
const char * briar::StringOption::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.289.3.2 `_InternalSerialize()`

```
uint8_t * briar::StringOption::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.289.3.3 `ByteSizeLong()`

```
size_t briar::StringOption::ByteSizeLong ( ) const [final]
```

7.289.3.4 Clear()

```
void briar::StringOption::Clear ( ) [final]
```

7.289.3.5 clear_override_default()

```
void briar::StringOption::clear_override_default ( ) [inline]
```

7.289.3.6 clear_value()

```
void briar::StringOption::clear_value ( ) [inline]
```

7.289.3.7 CopyFrom()

```
void briar::StringOption::CopyFrom (
    const StringOption & from )
```

7.289.3.8 default_instance()

```
static const StringOption& briar::StringOption::default_instance ( ) [inline], [static]
```

7.289.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StringOption::descriptor ( ) [inline],
[static]
```

7.289.3.10 GetCachedSize()

```
int briar::StringOption::GetCachedSize ( ) const [inline], [final]
```

7.289.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::StringOption::GetClassData ( )
const [final]
```

7.289.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::StringOption::GetDescriptor ( ) [inline],
[static]
```

7.289.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::StringOption::GetMetadata ( ) const [final]
```

7.289.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::StringOption::GetReflection ( ) [inline],
[static]
```

7.289.3.15 internal_default_instance()

```
static const StringOption* briar::StringOption::internal_default_instance ( ) [inline], [static]
```

7.289.3.16 IsInitialized()

```
bool briar::StringOption::IsInitialized ( ) const [final]
```

7.289.3.17 MergeFrom()

```
void briar::StringOption::MergeFrom (
    const StringOption & from )
```

7.289.3.18 mutable_value()

```
std::string * briar::StringOption::mutable_value ( ) const [inline]
```

7.289.3.19 New()

```
StringOption* briar::StringOption::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.289.3.20 operator=() [1/2]

```
StringOption& briar::StringOption::operator= ( const StringOption & from ) [inline]
```

7.289.3.21 operator=() [2/2]

```
StringOption& briar::StringOption::operator= ( StringOption && from ) [inline], [noexcept]
```

7.289.3.22 override_default()

```
bool briar::StringOption::override_default ( ) const [inline]
```

7.289.3.23 release_value()

```
std::string * briar::StringOption::release_value ( ) const [inline]
```

7.289.3.24 set_allocated_value()

```
void briar::StringOption::set_allocated_value ( std::string * value ) [inline]
```

7.289.3.25 set_override_default()

```
void briar::StringOption::set_override_default (
    bool value ) [inline]
```

7.289.3.26 set_value() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::StringOption::set_value (
    ArgT0 && arg0,
    ArgT... args )
```

7.289.3.27 set_value() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::StringOption::set_value (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.289.3.28 Swap()

```
void briar::StringOption::Swap (
    StringOption * other ) [inline]
```

7.289.3.29 UnsafeArenaSwap()

```
void briar::StringOption::UnsafeArenaSwap (
    StringOption * other ) [inline]
```

7.289.3.30 value()

```
const std::string & briar::StringOption::value ( ) const [inline]
```

7.289.4 Friends And Related Function Documentation

7.289.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.289.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.289.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.289.4.4 swap

```
void swap (
    StringOption & a,
    StringOption & b ) [friend]
```

7.289.5 Member Data Documentation

7.289.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::StringOption::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    StringOption::MergeImpl
}
```

7.289.5.2 kIndexInFileMessages

```
constexpr int briar::StringOption::kIndexInFileMessages [static], [constexpr]
```

Initial value:

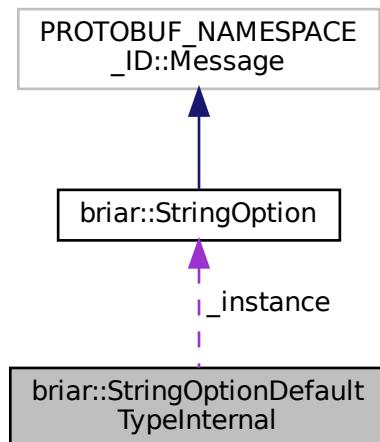
```
=
1
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.290 briar::StringOptionDefaultTypeInternal Struct Reference

Collaboration diagram for briar::StringOptionDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR StringOptionDefaultTypeInternal ()
- ~StringOptionDefaultTypeInternal ()

Public Attributes

- union {

 StringOption _instance

};

7.290.1 Constructor & Destructor Documentation

7.290.1.1 StringOptionDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::StringOptionDefaultTypeInternal::StringOptionDefaultTypeInternal ( )
[inline]
```

7.290.1.2 ~StringOptionDefaultTypeInternal()

```
briar::StringOptionDefaultTypeInternal::~StringOptionDefaultTypeInternal () [inline]
```

7.290.2 Member Data Documentation

7.290.2.1

```
union { ... }
```

7.290.2.2 _instance

```
StringOption briar::StringOptionDefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar.pb.cc](#)

7.291 TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto Struct Reference

```
#include <briar.pb.h>
```

Static Public Attributes

- static const uint32_t [offsets](#) []

7.291.1 Member Data Documentation

7.291.1.1 offsets

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto::offsets[] [static]
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar.pb.h](#)

7.292 TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto Struct Reference

```
#include <briar_error.pb.h>
```

Static Public Attributes

- static const uint32_t [offsets](#) []

7.292.1 Member Data Documentation

7.292.1.1 offsets

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto::offsets[] [static]
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_error.pb.h](#)

7.293 TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto Struct Reference

```
#include <briar_service.pb.h>
```

Static Public Attributes

- static const uint32_t [offsets](#) []

7.293.1 Member Data Documentation

7.293.1.1 offsets

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto::offsets[] [static]
```

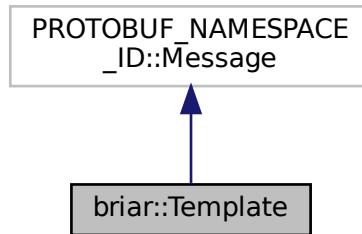
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_service.pb.h](#)

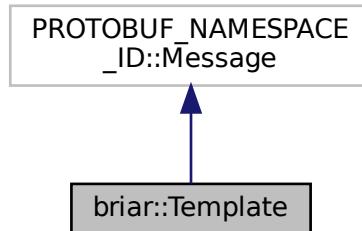
7.294 briar::Template Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Template:



Collaboration diagram for briar::Template:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kPartsFieldNumber = 5 , kMetadataFieldNumber = 8 , kIdFieldNumber = 1 , kAlgorithmFieldNumber = 4 ,
 kBufferFieldNumber = 7 , kDataFieldNumber = 6 , kAssociatedDetectionIdFieldNumber = 2 , kAssociatedTrackletIdFieldNumber
 = 3 ,
 kModalityFieldNumber = 9 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_metadata` ()
- ::briar::TemplateData * `add_parts` ()
- const std::string & `algorithm` () const
- int64_t `associated_detection_id` () const
- int64_t `associated_tracklet_id` () const
- const std::string & `buffer` () const
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_algorithm` ()
- void `clear_associated_detection_id` ()
- void `clear_associated_tracklet_id` ()
- void `clear_buffer` ()
- void `clear_data` ()
- void `clear_id` ()
- void `clear_metadata` ()
- void `clear_modality` ()
- void `clear_parts` ()
- void `CopyFrom` (const `Template` &from)
- const ::briar::BriarVector & `data` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_data` () const
- const std::string & `id` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `Template` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `metadata` () const
- const ::briar::Attribute & `metadata` (int index) const
- int `metadata_size` () const
- ::briar::BiometricModality `modality` () const
- std::string * `mutable_algorithm` ()
- std::string * `mutable_buffer` ()
- ::briar::BriarVector * `mutable_data` ()
- std::string * `mutable_id` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_metadata` ()
- ::briar::Attribute * `mutable_metadata` (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::TemplateData > * `mutable_parts` ()
- ::briar::TemplateData * `mutable_parts` (int index)
- `Template` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `Template` & `operator=` (const `Template` &from)
- `Template` & `operator=` (`Template` &&from) noexcept
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::TemplateData > & `parts` () const
- const ::briar::TemplateData & `parts` (int index) const
- int `parts_size` () const
- PROTOBUF_NODISCARD std::string * `release_algorithm` ()
- PROTOBUF_NODISCARD std::string * `release_buffer` ()
- PROTOBUF_NODISCARD ::briar::BriarVector * `release_data` ()
- PROTOBUF_NODISCARD std::string * `release_id` ()

- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_algorithm](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_algorithm](#) (ArgT0 &&arg0, ArgT... args)
- void [set_allocated_algorithm](#) (std::string *algorithm)
- void [set_allocated_buffer](#) (std::string *buffer)
- void [set_allocated_data](#) (::briar::BriarVector *data)
- void [set_allocated_id](#) (std::string *id)
- void [set_associated_detection_id](#) (int64_t value)
- void [set_associated_tracklet_id](#) (int64_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_buffer](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_buffer](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_id](#) (ArgT0 &&arg0, ArgT... args)
- void [set_modality](#) (::briar::BiometricModality value)
- void [Swap](#) (Template *other)
- [Template \(\)](#)
- PROTOBUF_CONSTEXPR Template (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [Template \(const Template &from\)](#)
- [Template \(Template &&from\) noexcept](#)
- ::briar::BriarVector * [unsafe_arena_release_data](#) ()
- void [unsafe_arena_set_allocated_data](#) (::briar::BriarVector *data)
- void [UnsafeArenaSwap](#) (Template *other)
- [~Template \(\) override](#)

Static Public Member Functions

- static const [Template & default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [Template * internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [Template \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) (Template &a, Template &b)

7.294.1 Member Enumeration Documentation

7.294.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kPartsFieldNumber	
kMetadataFieldNumber	
kIdFieldNumber	
kAlgorithmFieldNumber	
kBufferFieldNumber	
kDataFieldNumber	
kAssociatedDetectionIdFieldNumber	
kAssociatedTrackletIdFieldNumber	
kModalityFieldNumber	

7.294.2 Constructor & Destructor Documentation

7.294.2.1 Template() [1/5]

```
briar::Template::Template ( ) [inline]
```

7.294.2.2 ~Template()

```
briar::Template::~Template ( ) [override]
```

7.294.2.3 Template() [2/5]

```
PROTOBUF_CONSTEXPR briar::Template::Template ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.294.2.4 Template() [3/5]

```
briar::Template::Template (
    const Template & from )
```

7.294.2.5 Template() [4/5]

```
briar::Template::Template (
    Template && from ) [inline], [noexcept]
```

7.294.2.6 Template() [5/5]

```
briar::Template::Template (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.294.3 Member Function Documentation

7.294.3.1 _InternalParse()

```
const char * briar::Template::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.294.3.2 _InternalSerialize()

```
uint8_t * briar::Template::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.294.3.3 add_metadata()

```
briar::Attribute * briar::Template::add_metadata ( ) [inline]
```

7.294.3.4 add_parts()

```
briar::TemplateData * briar::Template::add_parts ( ) [inline]
```

7.294.3.5 algorithm()

```
const std::string & briar::Template::algorithm ( ) const [inline]
```

7.294.3.6 associated_detection_id()

```
int64_t briar::Template::associated_detection_id ( ) const [inline]
```

7.294.3.7 associated_tracklet_id()

```
int64_t briar::Template::associated_tracklet_id ( ) const [inline]
```

7.294.3.8 buffer()

```
const std::string & briar::Template::buffer ( ) const [inline]
```

7.294.3.9 ByteSizeLong()

```
size_t briar::Template::ByteSizeLong ( ) const [final]
```

7.294.3.10 Clear()

```
void briar::Template::Clear ( ) [final]
```

7.294.3.11 clear_algorithm()

```
void briar::Template::clear_algorithm ( ) [inline]
```

7.294.3.12 clear_associated_detection_id()

```
void briar::Template::clear_associated_detection_id ( ) [inline]
```

7.294.3.13 clear_associated_tracklet_id()

```
void briar::Template::clear_associated_tracklet_id ( ) [inline]
```

7.294.3.14 clear_buffer()

```
void briar::Template::clear_buffer ( ) [inline]
```

7.294.3.15 clear_data()

```
void briar::Template::clear_data ( ) [inline]
```

7.294.3.16 clear_id()

```
void briar::Template::clear_id ( ) [inline]
```

7.294.3.17 clear_metadata()

```
void briar::Template::clear_metadata ( ) [inline]
```

7.294.3.18 clear_modality()

```
void briar::Template::clear_modality ( ) [inline]
```

7.294.3.19 clear_parts()

```
void briar::Template::clear_parts ( ) [inline]
```

7.294.3.20 CopyFrom()

```
void briar::Template::CopyFrom (
    const Template & from )
```

7.294.3.21 data()

```
const ::briar::BriarVector & briar::Template::data ( ) const [inline]
```

7.294.3.22 default_instance()

```
static const Template& briar::Template::default_instance ( ) [inline], [static]
```

7.294.3.23 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Template::descriptor ( ) [inline],
[static]
```

7.294.3.24 GetCachedSize()

```
int briar::Template::GetCachedSize ( ) const [inline], [final]
```

7.294.3.25 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Template::GetClassData ( ) const
[final]
```

7.294.3.26 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Template::GetDescriptor ( ) [inline],
[static]
```

7.294.3.27 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Template::GetMetadata () const [final]
```

7.294.3.28 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Template::GetReflection () [inline],  
[static]
```

7.294.3.29 has_data()

```
bool briar::Template::has_data () const [inline]
```

7.294.3.30 id()

```
const std::string & briar::Template::id () const [inline]
```

7.294.3.31 internal_default_instance()

```
static const Template* briar::Template::internal_default_instance () [inline], [static]
```

7.294.3.32 IsInitialized()

```
bool briar::Template::IsInitialized () const [final]
```

7.294.3.33 MergeFrom()

```
void briar::Template::MergeFrom (  
    const Template & from )
```

7.294.3.34 metadata() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::Template::metadata()
( ) const [inline]
```

7.294.3.35 metadata() [2/2]

```
const ::briar::Attribute & briar::Template::metadata(
    int index) const [inline]
```

7.294.3.36 metadata_size()

```
int briar::Template::metadata_size( ) const [inline]
```

7.294.3.37 modality()

```
briar::BiometricModality briar::Template::modality( ) const [inline]
```

7.294.3.38 mutable_algorithm()

```
std::string * briar::Template::mutable_algorithm( ) [inline]
```

7.294.3.39 mutable_buffer()

```
std::string * briar::Template::mutable_buffer( ) [inline]
```

7.294.3.40 mutable_data()

```
briar::BriarVector * briar::Template::mutable_data( ) [inline]
```

7.294.3.41 mutable_id()

```
std::string * briar::Template::mutable_id ( ) [inline]
```

7.294.3.42 mutable_metadata() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::Template::mutable_<-  
metadata ( ) [inline]
```

7.294.3.43 mutable_metadata() [2/2]

```
briar::Attribute * briar::Template::mutable_metadata (   
    int index ) [inline]
```

7.294.3.44 mutable_parts() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::TemplateData> * briar::Template::mutable_<-  
parts ( ) [inline]
```

7.294.3.45 mutable_parts() [2/2]

```
briar::TemplateData * briar::Template::mutable_parts (   
    int index ) [inline]
```

7.294.3.46 New()

```
Template* briar::Template::New (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.294.3.47 operator=() [1/2]

```
Template& briar::Template::operator= (   
    const Template & from ) [inline]
```

7.294.3.48 operator=() [2/2]

```
Template& briar::Template::operator= (
    Template && from ) [inline], [noexcept]
```

7.294.3.49 parts() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::TemplateData> & briar::Template::parts () const [inline]
```

7.294.3.50 parts() [2/2]

```
const ::briar::TemplateData & briar::Template::parts (
    int index ) const [inline]
```

7.294.3.51 parts_size()

```
int briar::Template::parts_size () const [inline]
```

7.294.3.52 release_algorithm()

```
std::string * briar::Template::release_algorithm () [inline]
```

7.294.3.53 release_buffer()

```
std::string * briar::Template::release_buffer () [inline]
```

7.294.3.54 release_data()

```
briar::BriarVector * briar::Template::release_data () [inline]
```

7.294.3.55 release_id()

```
std::string * briar::Template::release_id ( ) [inline]
```

7.294.3.56 set_algorithm() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Template::set_algorithm (
    ArgT0 && arg0,
    ArgT... args )
```

7.294.3.57 set_algorithm() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Template::set_algorithm (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.294.3.58 set_allocated_algorithm()

```
void briar::Template::set_allocated_algorithm (
    std::string * algorithm ) [inline]
```

7.294.3.59 set_allocated_buffer()

```
void briar::Template::set_allocated_buffer (
    std::string * buffer ) [inline]
```

7.294.3.60 set_allocated_data()

```
void briar::Template::set_allocated_data (
    ::briar::BriarVector * data ) [inline]
```

7.294.3.61 set_allocated_id()

```
void briar::Template::set_allocated_id (
    std::string * id ) [inline]
```

7.294.3.62 set_associated_detection_id()

```
void briar::Template::set_associated_detection_id (
    int64_t value ) [inline]
```

7.294.3.63 set_associated_tracklet_id()

```
void briar::Template::set_associated_tracklet_id (
    int64_t value ) [inline]
```

7.294.3.64 set_buffer() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Template::set_buffer (
    ArgT0 && arg0,
    ArgT... args )
```

7.294.3.65 set_buffer() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Template::set_buffer (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.294.3.66 set_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Template::set_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.294.3.67 set_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Template::set_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.294.3.68 set_modality()

```
void briar::Template::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.294.3.69 Swap()

```
void briar::Template::Swap (
    Template * other ) [inline]
```

7.294.3.70 unsafe_arena_release_data()

```
briar::BriarVector * briar::Template::unsafe_arena_release_data ( ) [inline]
```

7.294.3.71 unsafe_arena_set_allocated_data()

```
void briar::Template::unsafe_arena_set_allocated_data (
    ::briar::BriarVector * data ) [inline]
```

7.294.3.72 UnsafeArenaSwap()

```
void briar::Template::UnsafeArenaSwap (
    Template * other ) [inline]
```

7.294.4 Friends And Related Function Documentation

7.294.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.294.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.294.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.294.4.4 swap

```
void swap (
    Template & a,
    Template & b ) [friend]
```

7.294.5 Member Data Documentation

7.294.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Template::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    Template::MergeImpl
}
```

7.294.5.2 kIndexInFileMessages

```
constexpr int briar::Template::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 25
```

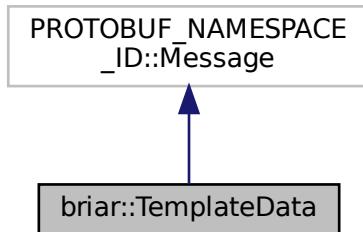
The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

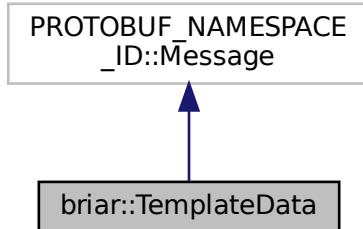
7.295 briar::TemplateData Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::TemplateData:



Collaboration diagram for briar::TemplateData:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kMetadataFieldNumber](#) = 19 , [kKeyFieldNumber](#) = 1 , [kDescriptionFieldNumber](#) = 2 , [kSubmodalityFieldNumber](#) = 16 ,
 [kSourceIdFieldNumber](#) = 17 , [kTrackletIdFieldNumber](#) = 18 , [kModalityFieldNumber](#) = 15 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * `add_metadata` ()
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_description` ()
- void `clear_key` ()
- void `clear_metadata` ()
- void `clear_modality` ()
- void `clear_source_id` ()
- void `clear_submodality` ()
- void `clear_tracklet_id` ()
- void `CopyFrom` (const `TemplateData` &from)
- const std::string & `description` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `IsInitialized` () const final
- const std::string & `key` () const
- void `MergeFrom` (const `TemplateData` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & `metadata` () const
- const ::briar::Attribute & `metadata` (int index) const
- int `metadata_size` () const
- ::briar::BiometricModality `modality` () const
- std::string * `mutable_description` ()
- std::string * `mutable_key` ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * `mutable_metadata` ()
- ::briar::Attribute * `mutable_metadata` (int index)
- std::string * `mutable_source_id` ()
- std::string * `mutable_submodality` ()
- std::string * `mutable_tracklet_id` ()
- `TemplateData` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `TemplateData` & `operator=` (const `TemplateData` &from)
- `TemplateData` & `operator=` (`TemplateData` &&from) noexcept
- PROTOBUF_NODISCARD std::string * `release_description` ()
- PROTOBUF_NODISCARD std::string * `release_key` ()
- PROTOBUF_NODISCARD std::string * `release_source_id` ()
- PROTOBUF_NODISCARD std::string * `release_submodality` ()
- PROTOBUF_NODISCARD std::string * `release_tracklet_id` ()
- void `set_allocated_description` (std::string *description)
- void `set_allocated_key` (std::string *key)
- void `set_allocated_source_id` (std::string *source_id)
- void `set_allocated_submodality` (std::string *submodality)
- void `set_allocated_tracklet_id` (std::string *tracklet_id)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_description` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_description` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_key` (ArgT0 &&arg0, ArgT... args)

- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_key](#) (ArgT0 &&arg0, ArgT... args)
- void [set_modality](#) (::briar::BiometricModality value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_source_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_source_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_submodality](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_submodality](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_tracklet_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_tracklet_id](#) (ArgT0 &&arg0, ArgT... args)
- const std::string & [source_id](#) () const
- const std::string & [submodality](#) () const
- void [Swap](#) (TemplateData *other)
- [TemplateData](#) ()
- PROTOBUF_CONSTEXPR TemplateData (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [TemplateData](#) (const [TemplateData](#) &from)
- [TemplateData](#) ([TemplateData](#) &&from) noexcept
- const std::string & [tracklet_id](#) () const
- void [UnsafeArenaSwap](#) (TemplateData *other)
- [~TemplateData](#) () override

Static Public Member Functions

- static const [TemplateData](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [TemplateData](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [TemplateData](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) ([TemplateData](#) &a, [TemplateData](#) &b)

7.295.1 Member Enumeration Documentation

7.295.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMetadataFieldNumber	
kKeyFieldNumber	
kDescriptionFieldNumber	
kSubmodalityFieldNumber	
kSourceIdFieldNumber	
kTrackletIdFieldNumber	
kModalityFieldNumber	

7.295.2 Constructor & Destructor Documentation

7.295.2.1 `TemplateData()` [1/5]

```
briar::TemplateData::TemplateData ( ) [inline]
```

7.295.2.2 `~TemplateData()`

```
briar::TemplateData::~TemplateData ( ) [override]
```

7.295.2.3 `TemplateData()` [2/5]

```
PROTOBUF_CONSTEXPR briar::TemplateData::TemplateData (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.295.2.4 `TemplateData()` [3/5]

```
briar::TemplateData::TemplateData (
    const TemplateData & from )
```

7.295.2.5 TemplateData() [4/5]

```
briar::TemplateData::TemplateData (
    TemplateData && from )  [inline], [noexcept]
```

7.295.2.6 TemplateData() [5/5]

```
briar::TemplateData::TemplateData (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false )  [explicit], [protected]
```

7.295.3 Member Function Documentation

7.295.3.1 _InternalParse()

```
const char * briar::TemplateData::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx )  [final]
```

7.295.3.2 _InternalSerialize()

```
uint8_t * briar::TemplateData::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const  [final]
```

7.295.3.3 add_metadata()

```
briar::Attribute * briar::TemplateData::add_metadata ( )  [inline]
```

7.295.3.4 ByteSizeLong()

```
size_t briar::TemplateData::ByteSizeLong ( ) const  [final]
```

7.295.3.5 `Clear()`

```
void briar::TemplateData::Clear ( ) [final]
```

7.295.3.6 `clear_description()`

```
void briar::TemplateData::clear_description ( ) [inline]
```

7.295.3.7 `clear_key()`

```
void briar::TemplateData::clear_key ( ) [inline]
```

7.295.3.8 `clear_metadata()`

```
void briar::TemplateData::clear_metadata ( ) [inline]
```

7.295.3.9 `clear_modality()`

```
void briar::TemplateData::clear_modality ( ) [inline]
```

7.295.3.10 `clear_source_id()`

```
void briar::TemplateData::clear_source_id ( ) [inline]
```

7.295.3.11 `clear_submodality()`

```
void briar::TemplateData::clear_submodality ( ) [inline]
```

7.295.3.12 `clear_tracklet_id()`

```
void briar::TemplateData::clear_tracklet_id ( ) [inline]
```

7.295.3.13 CopyFrom()

```
void briar::TemplateData::CopyFrom (
    const TemplateData & from )
```

7.295.3.14 default_instance()

```
static const TemplateData& briar::TemplateData::default_instance () [inline], [static]
```

7.295.3.15 description()

```
const std::string & briar::TemplateData::description () const [inline]
```

7.295.3.16 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateData::descriptor () [inline], [static]
```

7.295.3.17 GetCachedSize()

```
int briar::TemplateData::GetCachedSize () const [inline], [final]
```

7.295.3.18 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TemplateData::GetClassData () const [final]
```

7.295.3.19 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateData::GetDescriptor () [inline], [static]
```

7.295.3.20 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TemplateData::GetMetadata () const [final]
```

7.295.3.21 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TemplateData::GetReflection () [inline], [static]
```

7.295.3.22 internal_default_instance()

```
static const TemplateData* briar::TemplateData::internal_default_instance () [inline], [static]
```

7.295.3.23 IsInitialized()

```
bool briar::TemplateData::IsInitialized () const [final]
```

7.295.3.24 key()

```
const std::string & briar::TemplateData::key () const [inline]
```

7.295.3.25 MergeFrom()

```
void briar::TemplateData::MergeFrom (
    const TemplateData & from )
```

7.295.3.26 metadata() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::TemplateData::metadata () const [inline]
```

7.295.3.27 metadata() [2/2]

```
const ::briar::Attribute & briar::TemplateData::metadata (
    int index ) const [inline]
```

7.295.3.28 metadata_size()

```
int briar::TemplateData::metadata_size ( ) const [inline]
```

7.295.3.29 modality()

```
briar::BiometricModality briar::TemplateData::modality ( ) const [inline]
```

7.295.3.30 mutable_description()

```
std::string * briar::TemplateData::mutable_description ( ) [inline]
```

7.295.3.31 mutable_key()

```
std::string * briar::TemplateData::mutable_key ( ) [inline]
```

7.295.3.32 mutable_metadata() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::TemplateData::mutable_<->
metadata ( ) [inline]
```

7.295.3.33 mutable_metadata() [2/2]

```
briar::Attribute * briar::TemplateData::mutable_metadata (
    int index ) [inline]
```

7.295.3.34 `mutable_source_id()`

```
std::string * briar::TemplateData::mutable_source_id ( ) [inline]
```

7.295.3.35 `mutable_submodality()`

```
std::string * briar::TemplateData::mutable_submodality ( ) [inline]
```

7.295.3.36 `mutable_tracklet_id()`

```
std::string * briar::TemplateData::mutable_tracklet_id ( ) [inline]
```

7.295.3.37 `New()`

```
TemplateData* briar::TemplateData::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.295.3.38 `operator=() [1/2]`

```
TemplateData& briar::TemplateData::operator= ( const TemplateData & from ) [inline]
```

7.295.3.39 `operator=() [2/2]`

```
TemplateData& briar::TemplateData::operator= ( TemplateData && from ) [inline], [noexcept]
```

7.295.3.40 `release_description()`

```
std::string * briar::TemplateData::release_description ( ) [inline]
```

7.295.3.41 release_key()

```
std::string * briar::TemplateData::release_key ( ) [inline]
```

7.295.3.42 release_source_id()

```
std::string * briar::TemplateData::release_source_id ( ) [inline]
```

7.295.3.43 release_submodality()

```
std::string * briar::TemplateData::release_submodality ( ) [inline]
```

7.295.3.44 release_tracklet_id()

```
std::string * briar::TemplateData::release_tracklet_id ( ) [inline]
```

7.295.3.45 set_allocated_description()

```
void briar::TemplateData::set_allocated_description ( std::string * description ) [inline]
```

7.295.3.46 set_allocated_key()

```
void briar::TemplateData::set_allocated_key ( std::string * key ) [inline]
```

7.295.3.47 set_allocated_source_id()

```
void briar::TemplateData::set_allocated_source_id ( std::string * source_id ) [inline]
```

7.295.3.48 set_allocated_submodality()

```
void briar::TemplateData::set_allocated_submodality (
    std::string * submodality ) [inline]
```

7.295.3.49 set_allocated_tracklet_id()

```
void briar::TemplateData::set_allocated_tracklet_id (
    std::string * tracklet_id ) [inline]
```

7.295.3.50 set_description() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TemplateData::set_description (
    ArgT0 && arg0,
    ArgT... args )
```

7.295.3.51 set_description() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TemplateData::set_description (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.295.3.52 set_key() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TemplateData::set_key (
    ArgT0 && arg0,
    ArgT... args )
```

7.295.3.53 set_key() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TemplateData::set_key (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.295.3.54 set_modality()

```
void briar::TemplateData::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.295.3.55 set_source_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TemplateData::set_source_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.295.3.56 set_source_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TemplateData::set_source_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.295.3.57 set_submodality() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TemplateData::set_submodality (
    ArgT0 && arg0,
    ArgT... args )
```

7.295.3.58 set_submodality() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TemplateData::set_submodality (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.295.3.59 set_tracklet_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TemplateData::set_tracklet_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.295.3.60 set_tracklet_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TemplateData::set_tracklet_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.295.3.61 source_id()

```
const std::string & briar::TemplateData::source_id ( ) const [inline]
```

7.295.3.62 submodality()

```
const std::string & briar::TemplateData::submodality ( ) const [inline]
```

7.295.3.63 Swap()

```
void briar::TemplateData::Swap (
    TemplateData * other ) [inline]
```

7.295.3.64 tracklet_id()

```
const std::string & briar::TemplateData::tracklet_id ( ) const [inline]
```

7.295.3.65 UnsafeArenaSwap()

```
void briar::TemplateData::UnsafeArenaSwap (
    TemplateData * other ) [inline]
```

7.295.4 Friends And Related Function Documentation

7.295.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.295.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.295.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.295.4.4 swap

```
void swap (
    TemplateData & a,
    TemplateData & b ) [friend]
```

7.295.5 Member Data Documentation

7.295.5.1 __class_data__

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TemplateData::__class_data__ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TemplateData::MergeImpl
}
```

7.295.5.2 kIndexInFileMessages

```
constexpr int briar::TemplateData::kIndexInFileMessages [static], [constexpr]
```

Initial value:

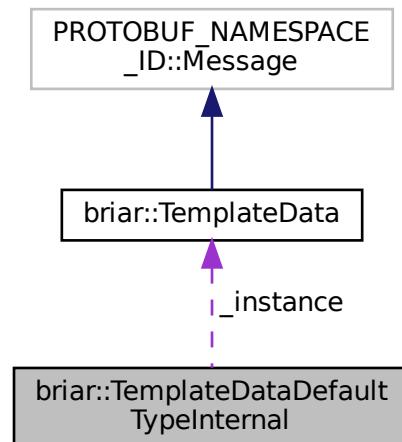
```
=
24
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

7.296 briar::TemplateDataDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateDataDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR TemplateDataDefaultTypeInternal ()
- [~TemplateDataDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 TemplateData _instance

};

7.296.1 Constructor & Destructor Documentation

7.296.1.1 TemplateDataDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TemplateDataDefaultTypeInternal::TemplateDataDefaultTypeInternal ( )
[inline]
```

7.296.1.2 ~TemplateDataDefaultTypeInternal()

```
briar::TemplateDataDefaultTypeInternal::~TemplateDataDefaultTypeInternal ( ) [inline]
```

7.296.2 Member Data Documentation

7.296.2.1

```
union { ... }
```

7.296.2.2 _instance

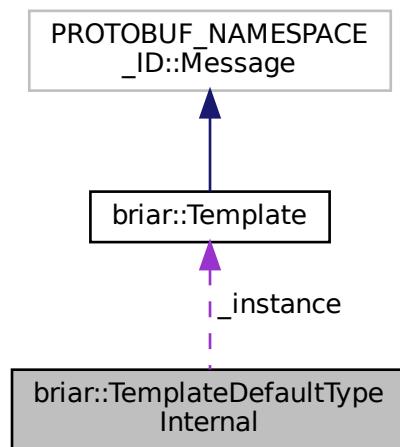
```
TemplateData briar::TemplateDataDefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

7.297 briar::TemplateDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [TemplateDefaultTypeInternal \(\)](#)
- [~TemplateDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [Template _instance](#)
};

7.297.1 Constructor & Destructor Documentation

7.297.1.1 [TemplateDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::TemplateDefaultTypeInternal::TemplateDefaultTypeInternal ( ) [inline]
```

7.297.1.2 [~TemplateDefaultTypeInternal\(\)](#)

```
briar::TemplateDefaultTypeInternal::~TemplateDefaultTypeInternal ( ) [inline]
```

7.297.2 Member Data Documentation

7.297.2.1

```
union { ... }
```

7.297.2.2 [_instance](#)

```
Template briar::TemplateDefaultTypeInternal::_instance
```

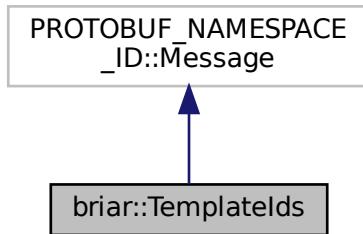
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

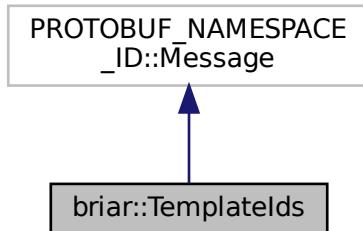
7.298 briar::Templatelds Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Templatelds:



Collaboration diagram for briar::Templatelds:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kLdsFieldNumber](#) = 1 , [kLengthFieldNumber](#) = 2 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * `add_ids` ()
- void `add_ids` (const char *value)
- void `add_ids` (const char *value, size_t size)
- void `add_ids` (const std::string &value)
- void `add_ids` (std::string &&value)
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_ids` ()
- void `clear_length` ()
- void `CopyFrom` (const `Templatelds` &from)
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & `ids` () const
- const std::string & `ids` (int index) const
- int `ids_size` () const
- bool `IsInitialized` () const final
- int32_t `length` () const
- void `MergeFrom` (const `Templatelds` &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * `mutable_ids` ()
- std::string * `mutable_ids` (int index)
- `Templatelds` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `Templatelds` & `operator=` (const `Templatelds` &from)
- `Templatelds` & `operator=` (`Templatelds` &&from) noexcept
- void `set_ids` (int index, const char *value)
- void `set_ids` (int index, const char *value, size_t size)
- void `set_ids` (int index, const std::string &value)
- void `set_ids` (int index, std::string &&value)
- void `set_length` (int32_t value)
- void `Swap` (`Templatelds` *other)
- `Templatelds` ()
- PROTOBUF_CONSTEXPR `Templatelds` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `Templatelds` (const `Templatelds` &from)
- `Templatelds` (`Templatelds` &&from) noexcept
- void `UnsafeArenaSwap` (`Templatelds` *other)
- `~Templatelds` () override

Static Public Member Functions

- static const `Templatelds` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `Templatelds` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [TemplateIds](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2епрото
- void [swap](#) ([TemplateIds](#) &a, [TemplateIds](#) &b)

7.298.1 Member Enumeration Documentation

7.298.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kldsFieldNumber	
kLengthFieldNumber	

7.298.2 Constructor & Destructor Documentation

7.298.2.1 [TemplateIds\(\)](#) [1/5]

```
briar::TemplateIds::TemplateIds ( ) [inline]
```

7.298.2.2 [~TemplateIds\(\)](#)

```
briar::TemplateIds::~TemplateIds ( ) [override]
```

7.298.2.3 `TemplateIds()` [2/5]

```
PROTOBUF_CONSTEXPR briar::TemplateIds::TemplateIds (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.298.2.4 `TemplateIds()` [3/5]

```
briar::TemplateIds::TemplateIds (
    const TemplateIds & from )
```

7.298.2.5 `TemplateIds()` [4/5]

```
briar::TemplateIds::TemplateIds (
    TemplateIds && from ) [inline], [noexcept]
```

7.298.2.6 `TemplateIds()` [5/5]

```
briar::TemplateIds::TemplateIds (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.298.3 Member Function Documentation

7.298.3.1 `_InternalParse()`

```
const char * briar::TemplateIds::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.298.3.2 `_InternalSerialize()`

```
uint8_t * briar::TemplateIds::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.298.3.3 add_ids() [1/5]

```
std::string * briar::TemplateIds::add_ids ( ) [inline]
```

7.298.3.4 add_ids() [2/5]

```
void briar::TemplateIds::add_ids (
    const char * value ) [inline]
```

7.298.3.5 add_ids() [3/5]

```
void briar::TemplateIds::add_ids (
    const char * value,
    size_t size ) [inline]
```

7.298.3.6 add_ids() [4/5]

```
void briar::TemplateIds::add_ids (
    const std::string & value ) [inline]
```

7.298.3.7 add_ids() [5/5]

```
void briar::TemplateIds::add_ids (
    std::string && value ) [inline]
```

7.298.3.8 ByteSizeLong()

```
size_t briar::TemplateIds::ByteSizeLong ( ) const [final]
```

7.298.3.9 Clear()

```
void briar::TemplateIds::Clear ( ) [final]
```

7.298.3.10 clear_ids()

```
void briar::TemplateIds::clear_ids ( ) [inline]
```

7.298.3.11 clear_length()

```
void briar::TemplateIds::clear_length ( ) [inline]
```

7.298.3.12 CopyFrom()

```
void briar::TemplateIds::CopyFrom (
    const TemplateIds & from )
```

7.298.3.13 default_instance()

```
static const TemplateIds& briar::TemplateIds::default_instance ( ) [inline], [static]
```

7.298.3.14 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateIds::descriptor ( ) [inline], [static]
```

7.298.3.15 GetCachedSize()

```
int briar::TemplateIds::GetCachedSize ( ) const [inline], [final]
```

7.298.3.16 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TemplateIds::GetClassData ( ) const
[final]
```

7.298.3.17 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateIds::GetDescriptor ( ) [inline],  
[static]
```

7.298.3.18 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TemplateIds::GetMetadata ( ) const [final]
```

7.298.3.19 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TemplateIds::GetReflection ( ) [inline],  
[static]
```

7.298.3.20 ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::TemplateIds::ids ( )  
const [inline]
```

7.298.3.21 ids() [2/2]

```
const std::string & briar::TemplateIds::ids (   
    int index ) const [inline]
```

7.298.3.22 ids_size()

```
int briar::TemplateIds::ids_size ( ) const [inline]
```

7.298.3.23 internal_default_instance()

```
static const TemplateIds* briar::TemplateIds::internal_default_instance ( ) [inline], [static]
```

7.298.3.24 IsInitialized()

```
bool briar::TemplateIds::IsInitialized ( ) const [final]
```

7.298.3.25 length()

```
int32_t briar::TemplateIds::length ( ) const [inline]
```

7.298.3.26 MergeFrom()

```
void briar::TemplateIds::MergeFrom (
    const TemplateIds & from )
```

7.298.3.27 mutable_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::TemplateIds::mutable_ids ( )
[inline]
```

7.298.3.28 mutable_ids() [2/2]

```
std::string * briar::TemplateIds::mutable_ids (
    int index ) [inline]
```

7.298.3.29 New()

```
TemplateIds* briar::TemplateIds::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.298.3.30 operator=() [1/2]

```
TemplateIds& briar::TemplateIds::operator= (
    const TemplateIds & from ) [inline]
```

7.298.3.31 operator=() [2/2]

```
TemplateIds& briar::TemplateIds::operator= (
    TemplateIds && from ) [inline], [noexcept]
```

7.298.3.32 set_ids() [1/4]

```
void briar::TemplateIds::set_ids (
    int index,
    const char * value ) [inline]
```

7.298.3.33 set_ids() [2/4]

```
void briar::TemplateIds::set_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.298.3.34 set_ids() [3/4]

```
void briar::TemplateIds::set_ids (
    int index,
    const std::string & value ) [inline]
```

7.298.3.35 set_ids() [4/4]

```
void briar::TemplateIds::set_ids (
    int index,
    std::string && value ) [inline]
```

7.298.3.36 set_length()

```
void briar::TemplateIds::set_length (
    int32_t value ) [inline]
```

7.298.3.37 Swap()

```
void briar::TemplateIds::Swap (
    TemplateIds * other ) [inline]
```

7.298.3.38 UnsafeArenaSwap()

```
void briar::TemplateIds::UnsafeArenaSwap (
    TemplateIds * other ) [inline]
```

7.298.4 Friends And Related Function Documentation

7.298.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.298.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.298.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.298.4.4 swap

```
void swap (
    TemplateIds & a,
    TemplateIds & b ) [friend]
```

7.298.5 Member Data Documentation

7.298.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TemplateIds::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TemplateIds::MergeImpl
}
```

7.298.5.2 `kIndexInFileMessages`

```
constexpr int briar::TemplateIds::kIndexInFileMessages [static], [constexpr]
```

Initial value:

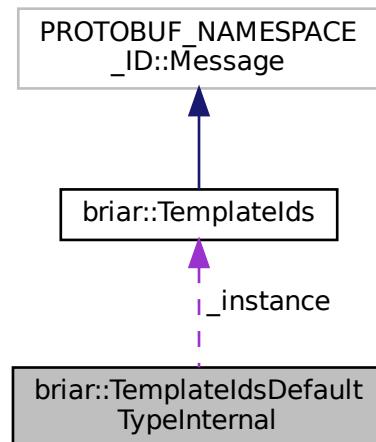
```
= 39
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.299 briar::TemplateIdsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateIdsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [TemplateIdsDefaultTypeInternal \(\)](#)
- [~TemplateIdsDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 TemplateIds _instance
};

7.299.1 Constructor & Destructor Documentation

7.299.1.1 TemplateIdsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TemplateIdsDefaultTypeInternal::TemplateIdsDefaultTypeInternal ( )  
[inline]
```

7.299.1.2 ~TemplateIdsDefaultTypeInternal()

```
briar::TemplateIdsDefaultTypeInternal::~TemplateIdsDefaultTypeInternal ( ) [inline]
```

7.299.2 Member Data Documentation

7.299.2.1

```
union { ... }
```

7.299.2.2 _instance

```
TemplateIds briar::TemplateIdsDefaultTypeInternal::_instance
```

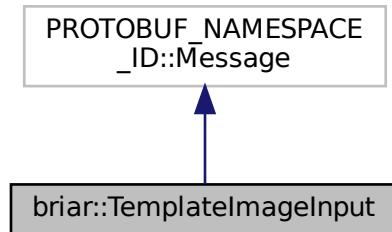
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

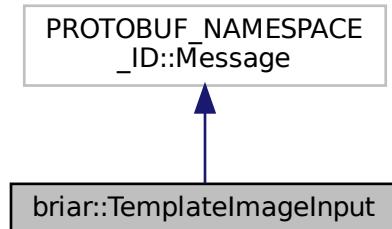
7.300 briar::TemplateImageInput Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::TemplateImageInput:



Collaboration diagram for briar::TemplateImageInput:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kDetectionsFieldNumber](#) = 2 , [klmFieldNumber](#) = 1 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::BriarRect * `add_detections` ()
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_detections` ()
- void `clear_im` ()
- void `CopyFrom` (const `TemplateImageInput` &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarRect > & `detections` () const
- const ::briar::BriarRect & `detections` (int index) const
- int `detections_size` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_im` () const
- const ::briar::BriarMedia & `im` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `TemplateImageInput` &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::BriarRect > * `mutable_detections` ()
- ::briar::BriarRect * `mutable_detections` (int index)
- ::briar::BriarMedia * `mutable_im` ()
- `TemplateImageInput` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `TemplateImageInput` & `operator=` (const `TemplateImageInput` &from)
- `TemplateImageInput` & `operator=` (`TemplateImageInput` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_im` ()
- void `set_allocated_im` (::briar::BriarMedia *im)
- void `Swap` (`TemplateImageInput` *other)
- `TemplateImageInput` ()
- PROTOBUF_CONSTEXPR `TemplateImageInput` (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- `TemplateImageInput` (const `TemplateImageInput` &from)
- `TemplateImageInput` (`TemplateImageInput` &&from) noexcept
- ::briar::BriarMedia * `unsafe_arena_release_im` ()
- void `unsafe_arena_set_allocated_im` (::briar::BriarMedia *im)
- void `UnsafeArenaSwap` (`TemplateImageInput` *other)
- `~TemplateImageInput` () override

Static Public Member Functions

- static const `TemplateImageInput` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `TemplateImageInput` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- [TemplateImageInput \(::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false\)](#)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap \(TemplateImageInput &a, TemplateImageInput &b\)](#)

7.300.1 Member Enumeration Documentation

7.300.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber	
klmFieldNumber	

7.300.2 Constructor & Destructor Documentation

7.300.2.1 TemplateImageInput() [1/5]

```
briar::TemplateImageInput::TemplateImageInput ( ) [inline]
```

7.300.2.2 ~TemplateImageInput()

```
briar::TemplateImageInput::~TemplateImageInput ( ) [override]
```

7.300.2.3 TemplateImageInput() [2/5]

```
PROTOBUF_CONSTEXPR briar::TemplateImageInput::TemplateImageInput (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.300.2.4 `TemplateImageInput()` [3/5]

```
briar::TemplateImageInput::TemplateImageInput (
    const TemplateImageInput & from )
```

7.300.2.5 `TemplateImageInput()` [4/5]

```
briar::TemplateImageInput::TemplateImageInput (
    TemplateImageInput && from ) [inline], [noexcept]
```

7.300.2.6 `TemplateImageInput()` [5/5]

```
briar::TemplateImageInput::TemplateImageInput (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.300.3 Member Function Documentation

7.300.3.1 `_InternalParse()`

```
const char * briar::TemplateImageInput::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.300.3.2 `_InternalSerialize()`

```
uint8_t * briar::TemplateImageInput::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.300.3.3 `add_detections()`

```
briar::BriarRect * briar::TemplateImageInput::add_detections () [inline]
```

7.300.3.4 ByteSizeLong()

```
size_t briar::TemplateImageInput::ByteSizeLong ( ) const [final]
```

7.300.3.5 Clear()

```
void briar::TemplateImageInput::Clear ( ) [final]
```

7.300.3.6 clear_detections()

```
void briar::TemplateImageInput::clear_detections ( ) [inline]
```

7.300.3.7 clear_im()

```
void briar::TemplateImageInput::clear_im ( ) [inline]
```

7.300.3.8 CopyFrom()

```
void briar::TemplateImageInput::CopyFrom (
    const TemplateImageInput & from )
```

7.300.3.9 default_instance()

```
static const TemplateImageInput& briar::TemplateImageInput::default_instance ( ) [inline],
[static]
```

7.300.3.10 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateImageInput::descriptor ( )
[inline], [static]
```

7.300.3.11 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarRect> & briar::TemplateImageInput::detections() const [inline]
```

7.300.3.12 detections() [2/2]

```
const ::briar::BriarRect & briar::TemplateImageInput::detections(int index) const [inline]
```

7.300.3.13 detections_size()

```
int briar::TemplateImageInput::detections_size() const [inline]
```

7.300.3.14 GetCachedSize()

```
int briar::TemplateImageInput::GetCachedSize() const [inline], [final]
```

7.300.3.15 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TemplateImageInput::GetClassData() const [final]
```

7.300.3.16 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateImageInput::GetDescriptor() [inline], [static]
```

7.300.3.17 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TemplateImageInput::GetMetadata() const [final]
```

7.300.3.18 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TemplateImageInput::GetReflection ( )  
[inline], [static]
```

7.300.3.19 has_im()

```
bool briar::TemplateImageInput::has_im ( ) const [inline]
```

7.300.3.20 im()

```
const ::briar::BriarMedia & briar::TemplateImageInput::im ( ) const [inline]
```

7.300.3.21 internal_default_instance()

```
static const TemplateImageInput* briar::TemplateImageInput::internal_default_instance ( )  
[inline], [static]
```

7.300.3.22 IsInitialized()

```
bool briar::TemplateImageInput::IsInitialized ( ) const [final]
```

7.300.3.23 MergeFrom()

```
void briar::TemplateImageInput::MergeFrom (   
    const TemplateImageInput & from )
```

7.300.3.24 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::BriarRect> * briar::TemplateImageInput::  
mutable_detections ( ) [inline]
```

7.300.3.25 mutable_detections() [2/2]

```
briar::BriarRect * briar::TemplateImageInput::mutable_detections (
    int index ) [inline]
```

7.300.3.26 mutable_im()

```
briar::BriarMedia * briar::TemplateImageInput::mutable_im ( ) [inline]
```

7.300.3.27 New()

```
TemplateImageInput* briar::TemplateImageInput::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.300.3.28 operator=() [1/2]

```
TemplateImageInput& briar::TemplateImageInput::operator= (
    const TemplateImageInput & from ) [inline]
```

7.300.3.29 operator=() [2/2]

```
TemplateImageInput& briar::TemplateImageInput::operator= (
    TemplateImageInput && from ) [inline], [noexcept]
```

7.300.3.30 release_im()

```
briar::BriarMedia * briar::TemplateImageInput::release_im ( ) [inline]
```

7.300.3.31 set_allocated_im()

```
void briar::TemplateImageInput::set_allocated_im (
    ::briar::BriarMedia * im ) [inline]
```

7.300.3.32 Swap()

```
void briar::TemplateImageInput::Swap (
    TemplateImageInput * other ) [inline]
```

7.300.3.33 unsafe_arena_release_im()

```
briar::BriarMedia * briar::TemplateImageInput::unsafe_arena_release_im ( ) [inline]
```

7.300.3.34 unsafe_arena_set_allocated_im()

```
void briar::TemplateImageInput::unsafe_arena_set_allocated_im (
    ::briar::BriarMedia * im ) [inline]
```

7.300.3.35 UnsafeArenaSwap()

```
void briar::TemplateImageInput::UnsafeArenaSwap (
    TemplateImageInput * other ) [inline]
```

7.300.4 Friends And Related Function Documentation

7.300.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.300.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.300.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.300.4.4 swap

```
void swap (
    TemplateImageInput & a,
    TemplateImageInput & b ) [friend]
```

7.300.5 Member Data Documentation

7.300.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TemplateImageInput::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TemplateImageInput::MergeImpl
}
```

7.300.5.2 kIndexInFileMessages

```
constexpr int briar::TemplateImageInput::kIndexInFileMessages [static], [constexpr]
```

Initial value:

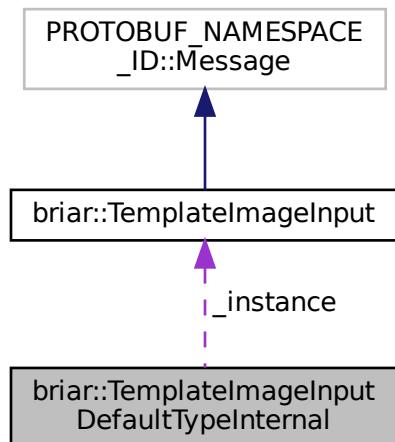
```
= 23
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.301 briar::TemplateImageInputDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateImageInputDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR TemplateImageInputDefaultTypeInternal ()
- [~TemplateImageInputDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 TemplateImageInput _instance

};

7.301.1 Constructor & Destructor Documentation

7.301.1.1 TemplateImageInputDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TemplateImageInputDefaultTypeInternal::TemplateImageInputDefaultTypeInternal ( ) [inline]
```

7.301.1.2 ~TemplateImageInputDefaultTypeInternal()

```
briar::TemplateImageInputDefaultTypeInternal::~TemplateImageInputDefaultTypeInternal () [inline]
```

7.301.2 Member Data Documentation

7.301.2.1

```
union { ... }
```

7.301.2.2 _instance

```
TemplateImageInput briar::TemplateImageInputDefaultTypeInternal::_instance
```

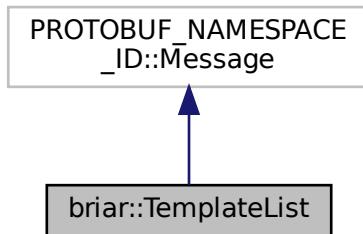
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/_grpc/briar.pb.cc

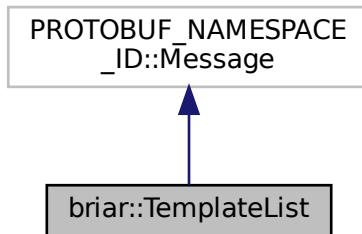
7.302 briar::TemplateList Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::TemplateList:



Collaboration diagram for briar::TemplateList:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kTmplsFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Template * [add_tmpls](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_tmpls](#) ()
- void [CopyFrom](#) (const [TemplateList](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [TemplateList](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Template > * [mutable_tmpls](#) ()
- ::briar::Template * [mutable_tmpls](#) (int index)
- [TemplateList](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [TemplateList](#) & [operator=](#) (const [TemplateList](#) &from)
- [TemplateList](#) & [operator=](#) ([TemplateList](#) &&from) noexcept
- void [Swap](#) ([TemplateList](#) *other)
- [TemplateList](#) ()
- PROTOBUF_CONSTEXPR [TemplateList](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [TemplateList](#) (const [TemplateList](#) &from)
- [TemplateList](#) ([TemplateList](#) &&from) noexcept
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Template > & [tmpls](#) () const
- const ::briar::Template & [tmpls](#) (int index) const
- int [tmpls_size](#) () const
- void [UnsafeArenaSwap](#) ([TemplateList](#) *other)
- ~[TemplateList](#) () override

Static Public Member Functions

- static const `TemplateList & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `TemplateList * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `TemplateList (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
`class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot`
- `void swap (TemplateList &a, TemplateList &b)`

7.302.1 Member Enumeration Documentation

7.302.1.1 anonymous enum

anonymous enum : int

Enumerator

<code>kTmplsFieldNumber</code>	<input type="button" value=""/>
--------------------------------	---------------------------------

7.302.2 Constructor & Destructor Documentation

7.302.2.1 `TemplateList()` [1/5]

`briar::TemplateList::TemplateList () [inline]`

7.302.2.2 ~TemplateList()

```
briar::TemplateList::~TemplateList ( ) [override]
```

7.302.2.3 TemplateList() [2/5]

```
PROTOBUF_CONSTEXPR briar::TemplateList::TemplateList (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.302.2.4 TemplateList() [3/5]

```
briar::TemplateList::TemplateList (
    const TemplateList & from )
```

7.302.2.5 TemplateList() [4/5]

```
briar::TemplateList::TemplateList (
    TemplateList && from ) [inline], [noexcept]
```

7.302.2.6 TemplateList() [5/5]

```
briar::TemplateList::TemplateList (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.302.3 Member Function Documentation

7.302.3.1 _InternalParse()

```
const char * briar::TemplateList::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.302.3.2 `_InternalSerialize()`

```
uint8_t * briar::TemplateList::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.302.3.3 `add_tmpls()`

```
briar::Template * briar::TemplateList::add_tmpls ( ) [inline]
```

7.302.3.4 `ByteSizeLong()`

```
size_t briar::TemplateList::ByteSizeLong ( ) const [final]
```

7.302.3.5 `Clear()`

```
void briar::TemplateList::Clear ( ) [final]
```

7.302.3.6 `clear_tmpls()`

```
void briar::TemplateList::clear_tmpls ( ) [inline]
```

7.302.3.7 `CopyFrom()`

```
void briar::TemplateList::CopyFrom (
    const TemplateList & from )
```

7.302.3.8 `default_instance()`

```
static const TemplateList& briar::TemplateList::default_instance ( ) [inline], [static]
```

7.302.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateList::descriptor () [inline],  
[static]
```

7.302.3.10 GetCachedSize()

```
int briar::TemplateList::GetCachedSize () const [inline], [final]
```

7.302.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TemplateList::GetClassData ()  
const [final]
```

7.302.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateList::GetDescriptor () [inline],  
[static]
```

7.302.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TemplateList::GetMetadata () const [final]
```

7.302.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TemplateList::GetReflection () [inline],  
[static]
```

7.302.3.15 internal_default_instance()

```
static const TemplateList* briar::TemplateList::internal_default_instance () [inline], [static]
```

7.302.3.16 IsInitialized()

```
bool briar::TemplateList::IsInitialized ( ) const [final]
```

7.302.3.17 MergeFrom()

```
void briar::TemplateList::MergeFrom (
    const TemplateList & from )
```

7.302.3.18 mutable_tmpls() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Template> * briar::TemplateList::mutable_←
tmpls ( ) [inline]
```

7.302.3.19 mutable_tmpls() [2/2]

```
briar::Template * briar::TemplateList::mutable_tmpls (
    int index ) [inline]
```

7.302.3.20 New()

```
TemplateList* briar::TemplateList::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.302.3.21 operator=() [1/2]

```
TemplateList& briar::TemplateList::operator= (
    const TemplateList & from ) [inline]
```

7.302.3.22 operator=() [2/2]

```
TemplateList& briar::TemplateList::operator= (
    TemplateList && from ) [inline], [noexcept]
```

7.302.3.23 Swap()

```
void briar::TemplateList::Swap (
    TemplateList * other ) [inline]
```

7.302.3.24 tmpls() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Template> & briar::TemplateList::tmpls () const [inline]
```

7.302.3.25 tmpls() [2/2]

```
const ::briar::Template & briar::TemplateList::tmpls (
    int index ) const [inline]
```

7.302.3.26 tmpls_size()

```
int briar::TemplateList::tmpls_size () const [inline]
```

7.302.3.27 UnsafeArenaSwap()

```
void briar::TemplateList::UnsafeArenaSwap (
    TemplateList * other ) [inline]
```

7.302.4 Friends And Related Function Documentation**7.302.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.302.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.302.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.302.4.4 swap

```
void swap (
    TemplateList & a,
    TemplateList & b ) [friend]
```

7.302.5 Member Data Documentation

7.302.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TemplateList::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TemplateList::MergeImpl
}
```

7.302.5.2 kIndexInFileMessages

```
constexpr int briar::TemplateList::kIndexInFileMessages [static], [constexpr]
```

Initial value:

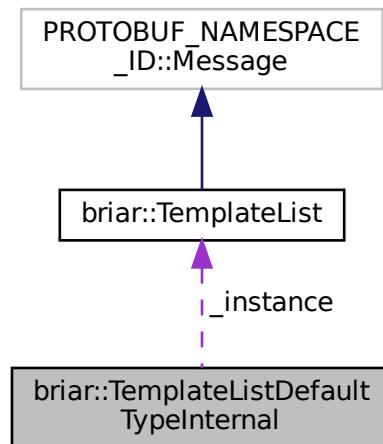
```
= 26
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.303 briar::TemplateListDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateListDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR TemplateListDefaultTypeInternal ()
- ~TemplateListDefaultTypeInternal ()

Public Attributes

- union {
 TemplateList _instance
};

7.303.1 Constructor & Destructor Documentation

7.303.1.1 TemplateListDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TemplateListDefaultTypeInternal::TemplateListDefaultTypeInternal ( )  
[inline]
```

7.303.1.2 ~TemplateListDefaultTypeInternal()

```
briar::TemplateListDefaultTypeInternal::~TemplateListDefaultTypeInternal ( ) [inline]
```

7.303.2 Member Data Documentation

7.303.2.1

```
union { ... }
```

7.303.2.2 _instance

```
TemplateList briar::TemplateListDefaultTypeInternal::_instance
```

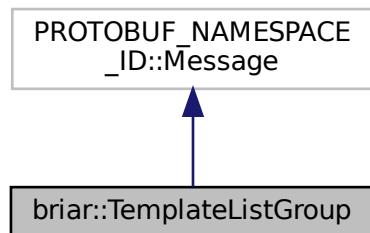
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

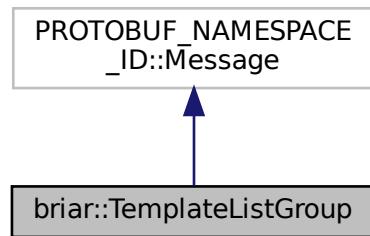
7.304 briar::TemplateListGroup Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::TemplateListGroup:



Collaboration diagram for briar::TemplateListGroup:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kGroupFieldNumber = 1](#) }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::TemplateList * [add_group](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_group](#) ()
- void [CopyFrom](#) (const [TemplateListGroup](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::TemplateList > & [group](#) () const
- const ::briar::TemplateList & [group](#) (int index) const
- int [group_size](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [TemplateListGroup](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::TemplateList > * [mutable_group](#) ()
- ::briar::TemplateList * [mutable_group](#) (int index)
- [TemplateListGroup](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [TemplateListGroup](#) & [operator=](#) (const [TemplateListGroup](#) &from)
- [TemplateListGroup](#) & [operator=](#) ([TemplateListGroup](#) &&from) noexcept
- void [Swap](#) ([TemplateListGroup](#) *other)
- [TemplateListGroup](#) ()
- PROTOBUF_CONSTEXPR [TemplateListGroup](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)
- [TemplateListGroup](#) (const [TemplateListGroup](#) &from)
- [TemplateListGroup](#) ([TemplateListGroup](#) &&from) noexcept
- void [UnsafeArenaSwap](#) ([TemplateListGroup](#) *other)
- ~[TemplateListGroup](#) () override

Static Public Member Functions

- static const `TemplateListGroup & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `TemplateListGroup * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `TemplateListGroup (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
`class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- `class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot`
- `void swap (TemplateListGroup &a, TemplateListGroup &b)`

7.304.1 Member Enumeration Documentation

7.304.1.1 anonymous enum

anonymous enum : int

Enumerator

KGroupFieldNumber	<input type="button" value=""/>
-------------------	---------------------------------

7.304.2 Constructor & Destructor Documentation

7.304.2.1 `TemplateListGroup()` [1/5]

`briar::TemplateListGroup::TemplateListGroup () [inline]`

7.304.2.2 ~TemplateListGroup()

```
briar::TemplateListGroup::~TemplateListGroup ( ) [override]
```

7.304.2.3 TemplateListGroup() [2/5]

```
PROTOBUF_CONSTEXPR briar::TemplateListGroup::TemplateListGroup (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.304.2.4 TemplateListGroup() [3/5]

```
briar::TemplateListGroup::TemplateListGroup (
    const TemplateListGroup & from )
```

7.304.2.5 TemplateListGroup() [4/5]

```
briar::TemplateListGroup::TemplateListGroup (
    TemplateListGroup && from ) [inline], [noexcept]
```

7.304.2.6 TemplateListGroup() [5/5]

```
briar::TemplateListGroup::TemplateListGroup (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.304.3 Member Function Documentation

7.304.3.1 _InternalParse()

```
const char * briar::TemplateListGroup::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.304.3.2 `_InternalSerialize()`

```
uint8_t * briar::TemplateListGroup::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.304.3.3 `add_group()`

```
briar::TemplateList * briar::TemplateListGroup::add_group () [inline]
```

7.304.3.4 `ByteSizeLong()`

```
size_t briar::TemplateListGroup::ByteSizeLong () const [final]
```

7.304.3.5 `Clear()`

```
void briar::TemplateListGroup::Clear () [final]
```

7.304.3.6 `clear_group()`

```
void briar::TemplateListGroup::clear_group () [inline]
```

7.304.3.7 `CopyFrom()`

```
void briar::TemplateListGroup::CopyFrom (
    const TemplateListGroup & from )
```

7.304.3.8 `default_instance()`

```
static const TemplateListGroup& briar::TemplateListGroup::default_instance () [inline],
[static]
```

7.304.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateListGroup::descriptor( )  
[inline], [static]
```

7.304.3.10 GetCachedSize()

```
int briar::TemplateListGroup::GetCachedSize( ) const [inline], [final]
```

7.304.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TemplateListGroup::GetClassData( )  
const [final]
```

7.304.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TemplateListGroup::GetDescriptor( )  
[inline], [static]
```

7.304.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TemplateListGroup::GetMetadata( ) const [final]
```

7.304.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TemplateListGroup::GetReflection( )  
[inline], [static]
```

7.304.3.15 group() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::TemplateList> & briar::TemplateListGroup::group( ) const [inline]
```

7.304.3.16 group() [2/2]

```
const ::briar::TemplateList & briar::TemplateListGroup::group (
    int index ) const [inline]
```

7.304.3.17 group_size()

```
int briar::TemplateListGroup::group_size ( ) const [inline]
```

7.304.3.18 internal_default_instance()

```
static const TemplateListGroup* briar::TemplateListGroup::internal_default_instance ( ) [inline],
[static]
```

7.304.3.19 IsInitialized()

```
bool briar::TemplateListGroup::IsInitialized ( ) const [final]
```

7.304.3.20 MergeFrom()

```
void briar::TemplateListGroup::MergeFrom (
    const TemplateListGroup & from )
```

7.304.3.21 mutable_group() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::TemplateList> * briar::TemplateListGroup::mutable_group ( ) [inline]
```

7.304.3.22 mutable_group() [2/2]

```
briar::TemplateList * briar::TemplateListGroup::mutable_group (
    int index ) [inline]
```

7.304.3.23 New()

```
TemplateListGroup* briar::TemplateListGroup::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.304.3.24 operator=() [1/2]

```
TemplateListGroup& briar::TemplateListGroup::operator= (
    const TemplateListGroup & from ) [inline]
```

7.304.3.25 operator=() [2/2]

```
TemplateListGroup& briar::TemplateListGroup::operator= (
    TemplateListGroup && from ) [inline], [noexcept]
```

7.304.3.26 Swap()

```
void briar::TemplateListGroup::Swap (
    TemplateListGroup * other ) [inline]
```

7.304.3.27 UnsafeArenaSwap()

```
void briar::TemplateListGroup::UnsafeArenaSwap (
    TemplateListGroup * other ) [inline]
```

7.304.4 Friends And Related Function Documentation

7.304.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.304.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.304.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.304.4.4 swap

```
void swap (
    TemplateListGroup & a,
    TemplateListGroup & b ) [friend]
```

7.304.5 Member Data Documentation

7.304.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TemplateListGroup::_class_data_ ←
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TemplateListGroup::MergeImpl
}
```

7.304.5.2 kIndexInFileMessages

```
constexpr int briar::TemplateListGroup::kIndexInFileMessages [static], [constexpr]
```

Initial value:

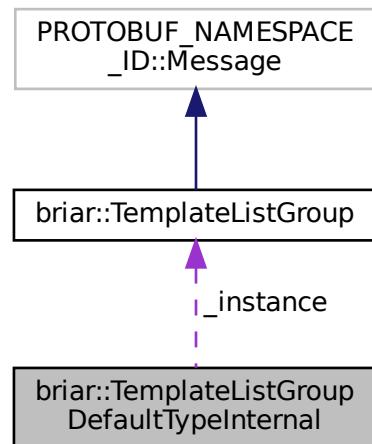
```
= 27
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.305 briar::TemplateListGroupDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TemplateListGroupDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR TemplateListGroupDefaultTypeInternal ()
- [~TemplateListGroupDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 TemplateListGroup _instance
};

7.305.1 Constructor & Destructor Documentation

7.305.1.1 [TemplateListGroupDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::TemplateListGroupDefaultTypeInternal::TemplateListGroupDefaultTypeInternal ( ) [inline]
```

7.305.1.2 ~TemplateListGroupDefaultTypeInternal()

```
briar::TemplateListGroupDefaultTypeInternal::~TemplateListGroupDefaultTypeInternal () [inline]
```

7.305.2 Member Data Documentation

7.305.2.1

```
union { ... }
```

7.305.2.2 _instance

```
TemplateListGroup briar::TemplateListGroupDefaultTypeInternal::_instance
```

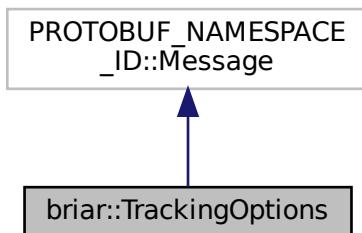
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

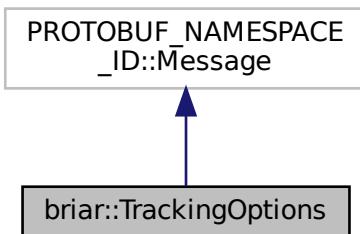
7.306 briar::TrackingOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::TrackingOptions:



Collaboration diagram for briar::TrackingOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kAttributesFieldNumber](#) = 8 , [kAlgorithmIdFieldNumber](#) = 1 , [kTrackingDisableFieldNumber](#) = 2 ,
 [kThresholdFieldNumber](#) = 3 ,
 [kTrackingBatchFieldNumber](#) = 4 , [kReturnMediaFieldNumber](#) = 5 , [kModalityFieldNumber](#) = 6 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- const ::briar::StringOption & [algorithm_id](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_algorithm_id](#) ()
- void [clear_attributes](#) ()
- void [clear_modality](#) ()
- void [clear_return_media](#) ()
- void [clear_threshold](#) ()
- void [clear_tracking_batch](#) ()
- void [clear_tracking_disable](#) ()
- void [CopyFrom](#) (const TrackingOptions &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final

- bool `has_algorithm_id () const`
- bool `has_return_media () const`
- bool `has_threshold () const`
- bool `has_tracking_batch () const`
- bool `has_tracking_disable () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const TrackingOptions &from)`
- `::briar::BiometricModality modality () const`
- `::briar::StringOption * mutable_algorithm_id ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * mutable_attributes ()`
- `::briar::Attribute * mutable_attributes (int index)`
- `::briar::BoolOption * mutable_return_media ()`
- `::briar::FloatOption * mutable_threshold ()`
- `::briar::IntOption * mutable_tracking_batch ()`
- `::briar::BoolOption * mutable_tracking_disable ()`
- `TrackingOptions * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `TrackingOptions & operator= (const TrackingOptions &from)`
- `TrackingOptions & operator= (TrackingOptions &&from) noexcept`
- `PROTOBUF_NODISCARD ::briar::StringOption * release_algorithm_id ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_return_media ()`
- `PROTOBUF_NODISCARD ::briar::FloatOption * release_threshold ()`
- `PROTOBUF_NODISCARD ::briar::IntOption * release_tracking_batch ()`
- `PROTOBUF_NODISCARD ::briar::BoolOption * release_tracking_disable ()`
- const `::briar::BoolOption & return_media () const`
- void `set_allocated_algorithm_id (::briar::StringOption *algorithm_id)`
- void `set_allocated_return_media (::briar::BoolOption *return_media)`
- void `set_allocated_threshold (::briar::FloatOption *threshold)`
- void `set_allocated_tracking_batch (::briar::IntOption *tracking_batch)`
- void `set_allocated_tracking_disable (::briar::BoolOption *tracking_disable)`
- void `set_modality (::briar::BiometricModality value)`
- void `Swap (TrackingOptions *other)`
- const `::briar::FloatOption & threshold () const`
- const `::briar::IntOption & tracking_batch () const`
- const `::briar::BoolOption & tracking_disable () const`
- `TrackingOptions ()`
- `PROTOBUF_CONSTEXPR TrackingOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `TrackingOptions (const TrackingOptions &from)`
- `TrackingOptions (TrackingOptions &&from) noexcept`
- `::briar::StringOption * unsafe_arena_release_algorithm_id ()`
- `::briar::BoolOption * unsafe_arena_release_return_media ()`
- `::briar::FloatOption * unsafe_arena_release_threshold ()`
- `::briar::IntOption * unsafe_arena_release_tracking_batch ()`
- `::briar::BoolOption * unsafe_arena_release_tracking_disable ()`
- void `unsafe_arena_set_allocated_algorithm_id (::briar::StringOption *algorithm_id)`
- void `unsafe_arena_set_allocated_return_media (::briar::BoolOption *return_media)`
- void `unsafe_arena_set_allocated_threshold (::briar::FloatOption *threshold)`
- void `unsafe_arena_set_allocated_tracking_batch (::briar::IntOption *tracking_batch)`
- void `unsafe_arena_set_allocated_tracking_disable (::briar::BoolOption *tracking_disable)`
- void `UnsafeArenaSwap (TrackingOptions *other)`
- `~TrackingOptions () override`

Static Public Member Functions

- static const `TrackingOptions & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `TrackingOptions * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `TrackingOptions (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot`
- void `swap (TrackingOptions &a, TrackingOptions &b)`

7.306.1 Member Enumeration Documentation

7.306.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

<code>kAttributesFieldNumber</code>	
<code>kAlgorithmIdFieldNumber</code>	
<code>kTrackingDisableFieldNumber</code>	
<code>kThresholdFieldNumber</code>	
<code>kTrackingBatchFieldNumber</code>	
<code>kReturnMediaFieldNumber</code>	
<code>kModalityFieldNumber</code>	

7.306.2 Constructor & Destructor Documentation

7.306.2.1 TrackingOptions() [1/5]

```
briar::TrackingOptions::TrackingOptions ( ) [inline]
```

7.306.2.2 ~TrackingOptions()

```
briar::TrackingOptions::~TrackingOptions ( ) [override]
```

7.306.2.3 TrackingOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::TrackingOptions::TrackingOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.306.2.4 TrackingOptions() [3/5]

```
briar::TrackingOptions::TrackingOptions (
    const TrackingOptions & from )
```

7.306.2.5 TrackingOptions() [4/5]

```
briar::TrackingOptions::TrackingOptions (
    TrackingOptions && from ) [inline], [noexcept]
```

7.306.2.6 TrackingOptions() [5/5]

```
briar::TrackingOptions::TrackingOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.306.3 Member Function Documentation

7.306.3.1 `_InternalParse()`

```
const char * briar::TrackingOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.306.3.2 `_InternalSerialize()`

```
uint8_t * briar::TrackingOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.306.3.3 `add_attributes()`

```
briar::Attribute * briar::TrackingOptions::add_attributes ( ) [inline]
```

7.306.3.4 `algorithm_id()`

```
const ::briar::StringOption & briar::TrackingOptions::algorithm_id ( ) const [inline]
```

7.306.3.5 `attributes()` [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::TrackingOptions::attributes ( ) const [inline]
```

7.306.3.6 `attributes()` [2/2]

```
const ::briar::Attribute & briar::TrackingOptions::attributes (
    int index ) const [inline]
```

7.306.3.7 `attributes_size()`

```
int briar::TrackingOptions::attributes_size ( ) const [inline]
```

7.306.3.8 ByteSizeLong()

```
size_t briar::TrackingOptions::ByteSizeLong ( ) const [final]
```

7.306.3.9 Clear()

```
void briar::TrackingOptions::Clear ( ) [final]
```

7.306.3.10 clear_algorithm_id()

```
void briar::TrackingOptions::clear_algorithm_id ( ) [inline]
```

7.306.3.11 clear_attributes()

```
void briar::TrackingOptions::clear_attributes ( ) [inline]
```

7.306.3.12 clear_modality()

```
void briar::TrackingOptions::clear_modality ( ) [inline]
```

7.306.3.13 clear_return_media()

```
void briar::TrackingOptions::clear_return_media ( ) [inline]
```

7.306.3.14 clear_threshold()

```
void briar::TrackingOptions::clear_threshold ( ) [inline]
```

7.306.3.15 clear_tracking_batch()

```
void briar::TrackingOptions::clear_tracking_batch ( ) [inline]
```

7.306.3.16 clear_tracking_disable()

```
void briar::TrackingOptions::clear_tracking_disable ( ) [inline]
```

7.306.3.17 CopyFrom()

```
void briar::TrackingOptions::CopyFrom (
    const TrackingOptions & from )
```

7.306.3.18 default_instance()

```
static const TrackingOptions& briar::TrackingOptions::default_instance ( ) [inline], [static]
```

7.306.3.19 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackingOptions::descriptor ( ) [inline], [static]
```

7.306.3.20 GetCachedSize()

```
int briar::TrackingOptions::GetCachedSize ( ) const [inline], [final]
```

7.306.3.21 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TrackingOptions::GetClassData ( )
const [final]
```

7.306.3.22 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackingOptions::GetDescriptor ( )
[inline], [static]
```

7.306.3.23 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TrackingOptions::GetMetadata () const [final]
```

7.306.3.24 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TrackingOptions::GetReflection ()  
[inline], [static]
```

7.306.3.25 has_algorithm_id()

```
bool briar::TrackingOptions::has_algorithm_id () const [inline]
```

7.306.3.26 has_return_media()

```
bool briar::TrackingOptions::has_return_media () const [inline]
```

7.306.3.27 has_threshold()

```
bool briar::TrackingOptions::has_threshold () const [inline]
```

7.306.3.28 has_tracking_batch()

```
bool briar::TrackingOptions::has_tracking_batch () const [inline]
```

7.306.3.29 has_tracking_disable()

```
bool briar::TrackingOptions::has_tracking_disable () const [inline]
```

7.306.3.30 internal_default_instance()

```
static const TrackingOptions* briar::TrackingOptions::internal_default_instance () [inline],  
[static]
```

7.306.3.31 IsInitialized()

```
bool briar::TrackingOptions::IsInitialized () const [final]
```

7.306.3.32 MergeFrom()

```
void briar::TrackingOptions::MergeFrom (  
    const TrackingOptions & from )
```

7.306.3.33 modality()

```
briar::BiometricModality briar::TrackingOptions::modality () const [inline]
```

7.306.3.34 mutable_algorithm_id()

```
briar::StringOption * briar::TrackingOptions::mutable_algorithm_id () [inline]
```

7.306.3.35 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::TrackingOptions::mutable_attributes () [inline]
```

7.306.3.36 mutable_attributes() [2/2]

```
briar::Attribute * briar::TrackingOptions::mutable_attributes (  
    int index ) [inline]
```

7.306.3.37 mutable_return_media()

```
briar::BoolOption * briar::TrackingOptions::mutable_return_media ( ) [inline]
```

7.306.3.38 mutable_threshold()

```
briar::FloatOption * briar::TrackingOptions::mutable_threshold ( ) [inline]
```

7.306.3.39 mutable_tracking_batch()

```
briar::IntOption * briar::TrackingOptions::mutable_tracking_batch ( ) [inline]
```

7.306.3.40 mutable_tracking_disable()

```
briar::BoolOption * briar::TrackingOptions::mutable_tracking_disable ( ) [inline]
```

7.306.3.41 New()

```
TrackingOptions* briar::TrackingOptions::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.306.3.42 operator=() [1/2]

```
TrackingOptions& briar::TrackingOptions::operator= ( const TrackingOptions & from ) [inline]
```

7.306.3.43 operator=() [2/2]

```
TrackingOptions& briar::TrackingOptions::operator= ( TrackingOptions && from ) [inline], [noexcept]
```

7.306.3.44 release_algorithm_id()

```
briar::StringOption * briar::TrackingOptions::release_algorithm_id ( ) [inline]
```

7.306.3.45 release_return_media()

```
briar::BoolOption * briar::TrackingOptions::release_return_media ( ) [inline]
```

7.306.3.46 release_threshold()

```
briar::FloatOption * briar::TrackingOptions::release_threshold ( ) [inline]
```

7.306.3.47 release_tracking_batch()

```
briar::IntOption * briar::TrackingOptions::release_tracking_batch ( ) [inline]
```

7.306.3.48 release_tracking_disable()

```
briar::BoolOption * briar::TrackingOptions::release_tracking_disable ( ) [inline]
```

7.306.3.49 return_media()

```
const ::briar::BoolOption & briar::TrackingOptions::return_media ( ) const [inline]
```

7.306.3.50 set_allocated_algorithm_id()

```
void briar::TrackingOptions::set_allocated_algorithm_id (
    ::briar::StringOption * algorithm_id ) [inline]
```

7.306.3.51 set_allocated_return_media()

```
void briar::TrackingOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.306.3.52 set_allocated_threshold()

```
void briar::TrackingOptions::set_allocated_threshold (
    ::briar::FloatOption * threshold ) [inline]
```

7.306.3.53 set_allocated_tracking_batch()

```
void briar::TrackingOptions::set_allocated_tracking_batch (
    ::briar::IntOption * tracking_batch ) [inline]
```

7.306.3.54 set_allocated_tracking_disable()

```
void briar::TrackingOptions::set_allocated_tracking_disable (
    ::briar::BoolOption * tracking_disable ) [inline]
```

7.306.3.55 set_modality()

```
void briar::TrackingOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.306.3.56 Swap()

```
void briar::TrackingOptions::Swap (
    TrackingOptions * other ) [inline]
```

7.306.3.57 threshold()

```
const ::briar::FloatOption & briar::TrackingOptions::threshold ( ) const [inline]
```

7.306.3.58 tracking_batch()

```
const ::briar::IntOption & briar::TrackingOptions::tracking_batch ( ) const [inline]
```

7.306.3.59 tracking_disable()

```
const ::briar::BoolOption & briar::TrackingOptions::tracking_disable ( ) const [inline]
```

7.306.3.60 unsafe_arena_release_algorithm_id()

```
briar::StringOption * briar::TrackingOptions::unsafe_arena_release_algorithm_id ( ) [inline]
```

7.306.3.61 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::TrackingOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.306.3.62 unsafe_arena_release_threshold()

```
briar::FloatOption * briar::TrackingOptions::unsafe_arena_release_threshold ( ) [inline]
```

7.306.3.63 unsafe_arena_release_tracking_batch()

```
briar::IntOption * briar::TrackingOptions::unsafe_arena_release_tracking_batch ( ) [inline]
```

7.306.3.64 unsafe_arena_release_tracking_disable()

```
briar::BoolOption * briar::TrackingOptions::unsafe_arena_release_tracking_disable ( ) [inline]
```

7.306.3.65 unsafe_arena_set_allocated_algorithm_id()

```
void briar::TrackingOptions::unsafe_arena_set_allocated_algorithm_id ( ::briar::StringOption * algorithm_id ) [inline]
```

7.306.3.66 unsafe_arena_set_allocated_return_media()

```
void briar::TrackingOptions::unsafe_arena_set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.306.3.67 unsafe_arena_set_allocated_threshold()

```
void briar::TrackingOptions::unsafe_arena_set_allocated_threshold (
    ::briar::FloatOption * threshold ) [inline]
```

7.306.3.68 unsafe_arena_set_allocated_tracking_batch()

```
void briar::TrackingOptions::unsafe_arena_set_allocated_tracking_batch (
    ::briar::IntOption * tracking_batch ) [inline]
```

7.306.3.69 unsafe_arena_set_allocated_tracking_disable()

```
void briar::TrackingOptions::unsafe_arena_set_allocated_tracking_disable (
    ::briar::BoolOption * tracking_disable ) [inline]
```

7.306.3.70 UnsafeArenaSwap()

```
void briar::TrackingOptions::UnsafeArenaSwap (
    TrackingOptions * other ) [inline]
```

7.306.4 Friends And Related Function Documentation

7.306.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.306.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.306.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.306.4.4 swap

```
void swap (
    TrackingOptions & a,
    TrackingOptions & b ) [friend]
```

7.306.5 Member Data Documentation**7.306.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TrackingOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TrackingOptions::MergeImpl
}
```

7.306.5.2 kIndexInFileMessages

```
constexpr int briar::TrackingOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

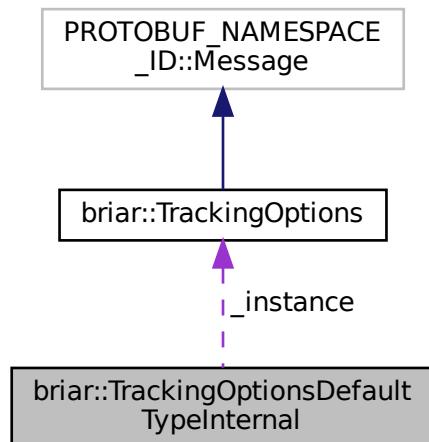
```
= 20
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.307 briar::TrackingOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TrackingOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR TrackingOptionsDefaultTypeInternal ()
- [~TrackingOptionsDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 TrackingOptions _instance

};

7.307.1 Constructor & Destructor Documentation

7.307.1.1 TrackingOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TrackingOptionsDefaultTypeInternal::TrackingOptionsDefaultTypeInternal ( ) [inline]
```

7.307.1.2 ~TrackingOptionsDefaultTypeInternal()

```
briar::TrackingOptionsDefaultTypeInternal::~TrackingOptionsDefaultTypeInternal () [inline]
```

7.307.2 Member Data Documentation

7.307.2.1

```
union { ... }
```

7.307.2.2 _instance

```
TrackingOptions briar::TrackingOptionsDefaultTypeInternal::_instance
```

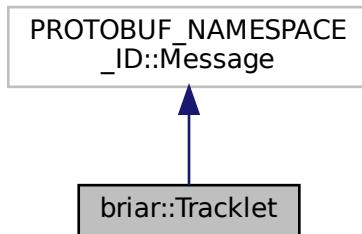
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

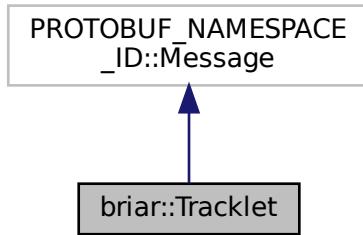
7.308 briar::Tracklet Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::Tracklet:



Collaboration diagram for briar::Tracklet:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 KDetectionsFieldNumber = 1 , **kAttributesFieldNumber** = 2 , **kTrackletClassFieldNumber** = 3 ,
 kOptionsFieldNumber = 5 ,
 kTrackletIdFieldNumber = 4 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Attribute * [add_attributes](#) ()
- ::briar::Detection * [add_detections](#) ()
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > & [attributes](#) () const
- const ::briar::Attribute & [attributes](#) (int index) const
- int [attributes_size](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_attributes](#) ()
- void [clear_detections](#) ()
- void [clear_options](#) ()
- void [clear_tracklet_class](#) ()
- void [clear_tracklet_id](#) ()
- void [CopyFrom](#) (const [Tracklet](#) &from)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [detections](#) () const
- const ::briar::Detection & [detections](#) (int index) const
- int [detections_size](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_options](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [Tracklet](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Attribute > * [mutable_attributes](#) ()
- ::briar::Attribute * [mutable_attributes](#) (int index)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * [mutable_detections](#) ()
- ::briar::Detection * [mutable_detections](#) (int index)
- ::briar::TrackingOptions * [mutable_options](#) ()
- std::string * [mutable_tracklet_class](#) ()
- [Tracklet](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [Tracklet](#) & [operator=](#) (const [Tracklet](#) &from)
- [Tracklet](#) & [operator=](#) ([Tracklet](#) &&from) noexcept
- const ::briar::TrackingOptions & [options](#) () const
- PROTOBUF_NODISCARD ::briar::TrackingOptions * [release_options](#) ()
- PROTOBUF_NODISCARD std::string * [release_tracklet_class](#) ()
- void [set_allocated_options](#) (::briar::TrackingOptions *options)
- void [set_allocated_tracklet_class](#) (std::string *tracklet_class)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_tracklet_class](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_tracklet_class](#) (ArgT0 &&arg0, ArgT... args)
- void [set_tracklet_id](#) (int64_t value)
- void [Swap](#) ([Tracklet](#) *other)
- [Tracklet](#) ()
- PROTOBUF_CONSTEXPR [Tracklet](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [Tracklet](#) (const [Tracklet](#) &from)
- [Tracklet](#) ([Tracklet](#) &&from) noexcept
- const std::string & [tracklet_class](#) () const
- int64_t [tracklet_id](#) () const
- ::briar::TrackingOptions * [unsafe_arena_release_options](#) ()
- void [unsafe_arena_set_allocated_options](#) (::briar::TrackingOptions *options)
- void [UnsafeArenaSwap](#) ([Tracklet](#) *other)
- [~Tracklet](#) () override

Static Public Member Functions

- static const [Tracklet](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [Tracklet](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [Tracklet](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void swap (Tracklet &a, Tracklet &b)

7.308.1 Member Enumeration Documentation

7.308.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber	
kAttributesFieldNumber	
kTrackletClassFieldNumber	
kOptionsFieldNumber	
kTrackletIdFieldNumber	

7.308.2 Constructor & Destructor Documentation

7.308.2.1 Tracklet() [1/5]

```
briar::Tracklet::Tracklet ( ) [inline]
```

7.308.2.2 ~Tracklet()

```
briar::Tracklet::~Tracklet ( ) [override]
```

7.308.2.3 Tracklet() [2/5]

```
PROTOBUF_CONSTEXPR briar::Tracklet::Tracklet ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.308.2.4 Tracklet() [3/5]

```
briar::Tracklet::Tracklet (
    const Tracklet & from )
```

7.308.2.5 Tracklet() [4/5]

```
briar::Tracklet::Tracklet (
    Tracklet && from ) [inline], [noexcept]
```

7.308.2.6 Tracklet() [5/5]

```
briar::Tracklet::Tracklet (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.308.3 Member Function Documentation

7.308.3.1 _InternalParse()

```
const char * briar::Tracklet::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.308.3.2 _InternalSerialize()

```
uint8_t * briar::Tracklet::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.308.3.3 add_attributes()

```
briar::Attribute * briar::Tracklet::add_attributes ( ) [inline]
```

7.308.3.4 add_detections()

```
briar::Detection * briar::Tracklet::add_detections ( ) [inline]
```

7.308.3.5 attributes() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> & briar::Tracklet::attributes  
( ) const [inline]
```

7.308.3.6 attributes() [2/2]

```
const ::briar::Attribute & briar::Tracklet::attributes (int index) const [inline]
```

7.308.3.7 attributes_size()

```
int briar::Tracklet::attributes_size ( ) const [inline]
```

7.308.3.8 ByteSizeLong()

```
size_t briar::Tracklet::ByteSizeLong ( ) const [final]
```

7.308.3.9 Clear()

```
void briar::Tracklet::Clear ( ) [final]
```

7.308.3.10 clear_attributes()

```
void briar::Tracklet::clear_attributes ( ) [inline]
```

7.308.3.11 clear_detections()

```
void briar::Tracklet::clear_detections ( ) [inline]
```

7.308.3.12 clear_options()

```
void briar::Tracklet::clear_options ( ) [inline]
```

7.308.3.13 clear_tracklet_class()

```
void briar::Tracklet::clear_tracklet_class ( ) [inline]
```

7.308.3.14 clear_tracklet_id()

```
void briar::Tracklet::clear_tracklet_id ( ) [inline]
```

7.308.3.15 CopyFrom()

```
void briar::Tracklet::CopyFrom (
    const Tracklet & from )
```

7.308.3.16 default_instance()

```
static const Tracklet& briar::Tracklet::default_instance ( ) [inline], [static]
```

7.308.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Tracklet::descriptor ( ) [inline],
[static]
```

7.308.3.18 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::Tracklet::detections()
( ) const [inline]
```

7.308.3.19 detections() [2/2]

```
const ::briar::Detection & briar::Tracklet::detections(
    int index) const [inline]
```

7.308.3.20 detections_size()

```
int briar::Tracklet::detections_size() const [inline]
```

7.308.3.21 GetCachedSize()

```
int briar::Tracklet::GetCachedSize() const [inline], [final]
```

7.308.3.22 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::Tracklet::GetClassData() const
[final]
```

7.308.3.23 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::Tracklet::GetDescriptor() [inline],
[static]
```

7.308.3.24 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::Tracklet::GetMetadata() const [final]
```

7.308.3.25 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::Tracklet::GetReflection () [inline],  
[static]
```

7.308.3.26 has_options()

```
bool briar::Tracklet::has_options () const [inline]
```

7.308.3.27 internal_default_instance()

```
static const Tracklet* briar::Tracklet::internal_default_instance () [inline], [static]
```

7.308.3.28 IsInitialized()

```
bool briar::Tracklet::IsInitialized () const [final]
```

7.308.3.29 MergeFrom()

```
void briar::Tracklet::MergeFrom (  
    const Tracklet & from )
```

7.308.3.30 mutable_attributes() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Attribute> * briar::Tracklet::mutable_<->  
attributes () [inline]
```

7.308.3.31 mutable_attributes() [2/2]

```
briar::Attribute * briar::Tracklet::mutable_attributes (  
    int index ) [inline]
```

7.308.3.32 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::Tracklet::mutable_<->
detections ( ) [inline]
```

7.308.3.33 mutable_detections() [2/2]

```
briar::Detection * briar::Tracklet::mutable_detections (
    int index ) [inline]
```

7.308.3.34 mutable_options()

```
briar::TrackingOptions * briar::Tracklet::mutable_options ( ) [inline]
```

7.308.3.35 mutable_tracklet_class()

```
std::string * briar::Tracklet::mutable_tracklet_class ( ) [inline]
```

7.308.3.36 New()

```
Tracklet* briar::Tracklet::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.308.3.37 operator=([1/2]

```
Tracklet& briar::Tracklet::operator= (
    const Tracklet & from ) [inline]
```

7.308.3.38 operator=([2/2]

```
Tracklet& briar::Tracklet::operator= (
    Tracklet && from ) [inline], [noexcept]
```

7.308.3.39 options()

```
const ::briar::TrackingOptions & briar::Tracklet::options ( ) const [inline]
```

7.308.3.40 release_options()

```
briar::TrackingOptions * briar::Tracklet::release_options ( ) [inline]
```

7.308.3.41 release_tracklet_class()

```
std::string * briar::Tracklet::release_tracklet_class ( ) [inline]
```

7.308.3.42 set_allocated_options()

```
void briar::Tracklet::set_allocated_options (
    ::briar::TrackingOptions * options ) [inline]
```

7.308.3.43 set_allocated_tracklet_class()

```
void briar::Tracklet::set_allocated_tracklet_class (
    std::string * tracklet_class ) [inline]
```

7.308.3.44 set_tracklet_class() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::Tracklet::set_tracklet_class (
    ArgT0 && arg0,
    ArgT... args )
```

7.308.3.45 set_tracklet_class() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::Tracklet::set_tracklet_class (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.308.3.46 set_tracklet_id()

```
void briar::Tracklet::set_tracklet_id (
    int64_t value ) [inline]
```

7.308.3.47 Swap()

```
void briar::Tracklet::Swap (
    Tracklet * other ) [inline]
```

7.308.3.48 tracklet_class()

```
const std::string & briar::Tracklet::tracklet_class ( ) const [inline]
```

7.308.3.49 tracklet_id()

```
int64_t briar::Tracklet::tracklet_id ( ) const [inline]
```

7.308.3.50 unsafe_arena_release_options()

```
briar::TrackingOptions * briar::Tracklet::unsafe_arena_release_options ( ) [inline]
```

7.308.3.51 unsafe_arena_set_allocated_options()

```
void briar::Tracklet::unsafe_arena_set_allocated_options (
    ::briar::TrackingOptions * options ) [inline]
```

7.308.3.52 UnsafeArenaSwap()

```
void briar::Tracklet::UnsafeArenaSwap (
    Tracklet * other ) [inline]
```

7.308.4 Friends And Related Function Documentation

7.308.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.308.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.308.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eprot [friend]
```

7.308.4.4 swap

```
void swap (
    Tracklet & a,
    Tracklet & b ) [friend]
```

7.308.5 Member Data Documentation

7.308.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::Tracklet::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    Tracklet::MergeImpl
}
```

7.308.5.2 kIndexInFileMessages

```
constexpr int briar::Tracklet::kIndexInFileMessages [static], [constexpr]
```

Initial value:

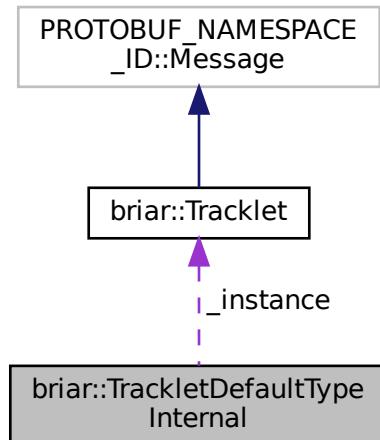
```
= 18
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.309 briar::TrackletDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TrackletDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [TrackletDefaultTypeInternal \(\)](#)
- [~TrackletDefaultTypeInternal \(\)](#)

Public Attributes

- union {

 Tracklet _instance

};

7.309.1 Constructor & Destructor Documentation

7.309.1.1 TrackletDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::TrackletDefaultTypeInternal::TrackletDefaultTypeInternal() [inline]
```

7.309.1.2 ~TrackletDefaultTypeInternal()

```
briar::TrackletDefaultTypeInternal::~TrackletDefaultTypeInternal() [inline]
```

7.309.2 Member Data Documentation

7.309.2.1

```
union { ... }
```

7.309.2.2 _instance

```
Tracklet briar::TrackletDefaultTypeInternal::_instance
```

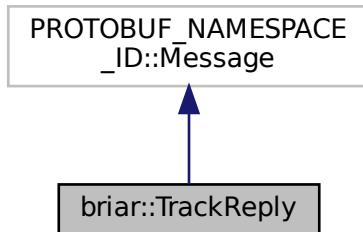
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

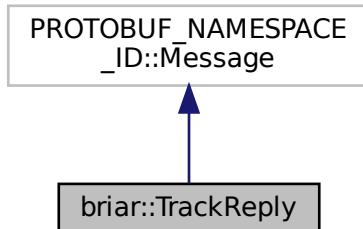
7.310 briar::TrackReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::TrackReply:



Collaboration diagram for briar::TrackReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kTrackletsFieldNumber](#) = 1 , [kFrameIdsFieldNumber](#) = 3 , [kDurationsFieldNumber](#) = 2 , [kProgressFieldNumber](#) = 6 ,
 [kErrorsFieldNumber](#) = 7 , [kModalityFieldNumber](#) = 5 , [kProgressOnlyReplyFieldNumber](#) = 8 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- void [add_frame_ids](#) (int64_t value)
- ::briar::Tracklet * [add_tracklets](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_frame_ids](#) ()
- void [clear_modality](#) ()
- void [clear_progress](#) ()
- void [clear_progress_only_reply](#) ()
- void [clear_tracklets](#) ()
- void [CopyFrom](#) (const [TrackReply](#) &from)
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int64_t > & [frame_ids](#) () const
- int64_t [frame_ids](#) (int index) const
- int [frame_ids_size](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const
- bool [has_errors](#) () const
- bool [has_progress](#) () const
- bool [IsInitialized](#) () const final
- void [MergeFrom](#) (const [TrackReply](#) &from)
- ::briar::BiometricModality [modality](#) () const
- ::briar::BriarDurations * [mutable_durations](#) ()
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedField< int64_t > * [mutable_frame_ids](#) ()
- ::briar::BriarProgress * [mutable_progress](#) ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Tracklet > * [mutable_tracklets](#) ()
- ::briar::Tracklet * [mutable_tracklets](#) (int index)
- [TrackReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [TrackReply](#) & [operator=](#) (const [TrackReply](#) &from)
- [TrackReply](#) & [operator=](#) ([TrackReply](#) &&from) noexcept
- const ::briar::BriarProgress & [progress](#) () const
- bool [progress_only_reply](#) () const
- PROTOBUF_NODISCARD ::briar::BriarDurations * [release_durations](#) ()
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * [release_progress](#) ()
- void [set_allocated_durations](#) (::briar::BriarDurations *durations)
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_allocated_progress](#) (::briar::BriarProgress *progress)
- void [set_frame_ids](#) (int index, int64_t value)
- void [set_modality](#) (::briar::BiometricModality value)
- void [set_progress_only_reply](#) (bool value)
- void [Swap](#) ([TrackReply](#) *other)
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Tracklet > & [tracklets](#) () const
- const ::briar::Tracklet & [tracklets](#) (int index) const

- int `tracklets_size () const`
- `TrackReply ()`
- PROTOBUF_CONSTEXPR `TrackReply (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `TrackReply (const TrackReply &from)`
- `TrackReply (TrackReply &&from) noexcept`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- `::briar::BriarProgress * unsafe_arena_release_progress ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `unsafe_arena_set_allocated_progress (::briar::BriarProgress *progress)`
- void `UnsafeArenaSwap (TrackReply *other)`
- `~TrackReply () override`

Static Public Member Functions

- static const `TrackReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `TrackReply * internal_default_instance ()`

Static Public Attributes

- static const `ClassData _class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `TrackReply (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)`

Friends

- template<typename T >
class `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`
- class `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`
- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`
- void `swap (TrackReply &a, TrackReply &b)`

7.310.1 Member Enumeration Documentation

7.310.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kTrackletsFieldNumber	
kFrameIdsFieldNumber	
kDurationsFieldNumber	
kProgressFieldNumber	
kErrorsFieldNumber	
kModalityFieldNumber	
kProgressOnlyReplyFieldNumber	

7.310.2 Constructor & Destructor Documentation**7.310.2.1 TrackReply() [1/5]**

```
briar::TrackReply::TrackReply ( ) [inline]
```

7.310.2.2 ~TrackReply()

```
briar::TrackReply::~TrackReply ( ) [override]
```

7.310.2.3 TrackReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::TrackReply::TrackReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.310.2.4 TrackReply() [3/5]

```
briar::TrackReply::TrackReply (
    const TrackReply & from )
```

7.310.2.5 TrackReply() [4/5]

```
briar::TrackReply::TrackReply (
    TrackReply && from ) [inline], [noexcept]
```

7.310.2.6 TrackReply() [5/5]

```
briar::TrackReply::TrackReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.310.3 Member Function Documentation

7.310.3.1 _InternalParse()

```
const char * briar::TrackReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.310.3.2 _InternalSerialize()

```
uint8_t * briar::TrackReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.310.3.3 add_frame_ids()

```
void briar::TrackReply::add_frame_ids (
    int64_t value ) [inline]
```

7.310.3.4 add_tracklets()

```
briar::Tracklet * briar::TrackReply::add_tracklets () [inline]
```

7.310.3.5 ByteSizeLong()

```
size_t briar::TrackReply::ByteSizeLong () const [final]
```

7.310.3.6 Clear()

```
void briar::TrackReply::Clear ( ) [final]
```

7.310.3.7 clear_durations()

```
void briar::TrackReply::clear_durations ( )
```

7.310.3.8 clear_errors()

```
void briar::TrackReply::clear_errors ( )
```

7.310.3.9 clear_frame_ids()

```
void briar::TrackReply::clear_frame_ids ( ) [inline]
```

7.310.3.10 clear_modality()

```
void briar::TrackReply::clear_modality ( ) [inline]
```

7.310.3.11 clear_progress()

```
void briar::TrackReply::clear_progress ( )
```

7.310.3.12 clear_progress_only_reply()

```
void briar::TrackReply::clear_progress_only_reply ( ) [inline]
```

7.310.3.13 clear_tracklets()

```
void briar::TrackReply::clear_tracklets ( )
```

7.310.3.14 CopyFrom()

```
void briar::TrackReply::CopyFrom (
    const TrackReply & from )
```

7.310.3.15 default_instance()

```
static const TrackReply& briar::TrackReply::default_instance ( ) [inline], [static]
```

7.310.3.16 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackReply::descriptor ( ) [inline], [static]
```

7.310.3.17 durations()

```
const ::briar::BriarDurations & briar::TrackReply::durations ( ) const [inline]
```

7.310.3.18 errors()

```
const ::briar::BriarErrors & briar::TrackReply::errors ( ) const [inline]
```

7.310.3.19 frame_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedField< int64_t > & briar::TrackReply::frame_ids ( )
const [inline]
```

7.310.3.20 frame_ids() [2/2]

```
int64_t briar::TrackReply::frame_ids (
    int index ) const [inline]
```

7.310.3.21 frame_ids_size()

```
int briar::TrackReply::frame_ids_size ( ) const [inline]
```

7.310.3.22 GetCachedSize()

```
int briar::TrackReply::GetCachedSize ( ) const [inline], [final]
```

7.310.3.23 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TrackReply::GetClassData ( ) const [final]
```

7.310.3.24 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackReply::GetDescriptor ( ) [inline], [static]
```

7.310.3.25 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TrackReply::GetMetadata ( ) const [final]
```

7.310.3.26 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TrackReply::GetReflection ( ) [inline], [static]
```

7.310.3.27 has_durations()

```
bool briar::TrackReply::has_durations ( ) const [inline]
```

7.310.3.28 has_errors()

```
bool briar::TrackReply::has_errors () const [inline]
```

7.310.3.29 has_progress()

```
bool briar::TrackReply::has_progress () const [inline]
```

7.310.3.30 internal_default_instance()

```
static const TrackReply* briar::TrackReply::internal_default_instance () [inline], [static]
```

7.310.3.31 IsInitialized()

```
bool briar::TrackReply::IsInitialized () const [final]
```

7.310.3.32 MergeFrom()

```
void briar::TrackReply::MergeFrom (
    const TrackReply & from )
```

7.310.3.33 modality()

```
briar::BiometricModality briar::TrackReply::modality () const [inline]
```

7.310.3.34 mutable_durations()

```
briar::BriarDurations * briar::TrackReply::mutable_durations () [inline]
```

7.310.3.35 mutable_errors()

```
briar::BriarErrors * briar::TrackReply::mutable_errors ( ) [inline]
```

7.310.3.36 mutable_frame_ids()

```
PROTOBUF_NAMESPACE_ID::RepeatedField< int64_t > * briar::TrackReply::mutable_frame_ids ( )  
[inline]
```

7.310.3.37 mutable_progress()

```
briar::BriarProgress * briar::TrackReply::mutable_progress ( ) [inline]
```

7.310.3.38 mutable_tracklets() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Tracklet> * briar::TrackReply::mutable_←  
tracklets ( ) [inline]
```

7.310.3.39 mutable_tracklets() [2/2]

```
briar::Tracklet * briar::TrackReply::mutable_tracklets (   
    int index ) [inline]
```

7.310.3.40 New()

```
TrackReply* briar::TrackReply::New (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.310.3.41 operator=() [1/2]

```
TrackReply& briar::TrackReply::operator= (   
    const TrackReply & from ) [inline]
```

7.310.3.42 operator=() [2/2]

```
TrackReply& briar::TrackReply::operator= (
    TrackReply && from )  [inline], [noexcept]
```

7.310.3.43 progress()

```
const ::briar::BriarProgress & briar::TrackReply::progress () const [inline]
```

7.310.3.44 progress_only_reply()

```
bool briar::TrackReply::progress_only_reply () const [inline]
```

7.310.3.45 release_durations()

```
briar::BriarDurations * briar::TrackReply::release_durations () [inline]
```

7.310.3.46 release_errors()

```
briar::BriarErrors * briar::TrackReply::release_errors () [inline]
```

7.310.3.47 release_progress()

```
briar::BriarProgress * briar::TrackReply::release_progress () [inline]
```

7.310.3.48 set_allocated_durations()

```
void briar::TrackReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.310.3.49 set_allocated_errors()

```
void briar::TrackReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.310.3.50 set_allocated_progress()

```
void briar::TrackReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.310.3.51 set_frame_ids()

```
void briar::TrackReply::set_frame_ids (
    int index,
    int64_t value ) [inline]
```

7.310.3.52 set_modality()

```
void briar::TrackReply::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.310.3.53 set_progress_only_reply()

```
void briar::TrackReply::set_progress_only_reply (
    bool value ) [inline]
```

7.310.3.54 Swap()

```
void briar::TrackReply::Swap (
    TrackReply * other ) [inline]
```

7.310.3.55 tracklets() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Tracklet> & briar::TrackReply::tracklets ( ) const [inline]
```

7.310.3.56 `tracklets()` [2/2]

```
const ::briar::Tracklet & briar::TrackReply::tracklets (
    int index ) const [inline]
```

7.310.3.57 `tracklets_size()`

```
int briar::TrackReply::tracklets_size ( ) const [inline]
```

7.310.3.58 `unsafe_arena_release_durations()`

```
briar::BriarDurations * briar::TrackReply::unsafe_arena_release_durations ( ) [inline]
```

7.310.3.59 `unsafe_arena_release_errors()`

```
briar::BriarErrors * briar::TrackReply::unsafe_arena_release_errors ( ) [inline]
```

7.310.3.60 `unsafe_arena_release_progress()`

```
briar::BriarProgress * briar::TrackReply::unsafe_arena_release_progress ( ) [inline]
```

7.310.3.61 `unsafe_arena_set_allocated_durations()`

```
void briar::TrackReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.310.3.62 `unsafe_arena_set_allocated_errors()`

```
void briar::TrackReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.310.3.63 unsafe_arena_set_allocated_progress()

```
void briar::TrackReply::unsafe_arena_set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.310.3.64 UnsafeArenaSwap()

```
void briar::TrackReply::UnsafeArenaSwap (
    TrackReply * other ) [inline]
```

7.310.4 Friends And Related Function Documentation**7.310.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper**

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.310.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.310.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.310.4.4 swap

```
void swap (
    TrackReply & a,
    TrackReply & b ) [friend]
```

7.310.5 Member Data Documentation

7.310.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TrackReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TrackReply::MergeImpl
}
```

7.310.5.2 `kIndexInFileMessages`

```
constexpr int briar::TrackReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

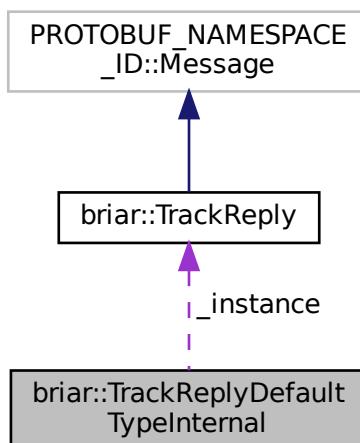
```
= 29
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.311 briar::TrackReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TrackReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR [TrackReplyDefaultTypeInternal \(\)](#)
- [~TrackReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [TrackReply _instance](#)
};

7.311.1 Constructor & Destructor Documentation

7.311.1.1 [TrackReplyDefaultTypeInternal\(\)](#)

```
PROTOBUF_CONSTEXPR briar::TrackReplyDefaultTypeInternal::TrackReplyDefaultTypeInternal ( )  
[inline]
```

7.311.1.2 [~TrackReplyDefaultTypeInternal\(\)](#)

```
briar::TrackReplyDefaultTypeInternal::~TrackReplyDefaultTypeInternal ( ) [inline]
```

7.311.2 Member Data Documentation

7.311.2.1

```
union { ... }
```

7.311.2.2 [_instance](#)

```
TrackReply briar::TrackReplyDefaultTypeInternal::_instance
```

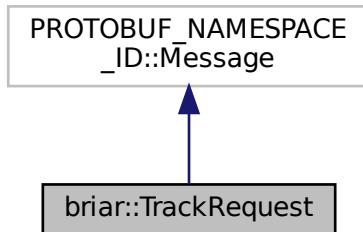
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

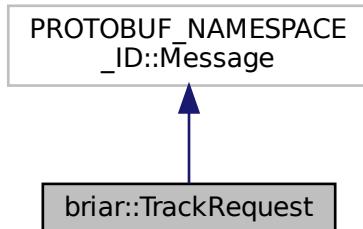
7.312 briar::TrackRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::TrackRequest:



Collaboration diagram for briar::TrackRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kSubjectIdFieldNumber = 3 , kSubjectNameFieldNumber = 4 , kMediaFieldNumber = 1 , kDurationsFieldNumber
 = 5 ,
 kDetectOptionsFieldNumber = 6 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_RELAXES const void `Clear` () final
- void `clear_detect_options` ()
- void `clear_durations` ()
- void `clear_media` ()
- void `clear_subject_id` ()
- void `clear_subject_name` ()
- void `CopyFrom` (const `TrackRequest` &from)
- const ::briar::DetectionOptions & `detect_options` () const
- const ::briar::BriarDurations & `durations` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_detect_options` () const
- bool `has_durations` () const
- bool `has_media` () const
- bool `IsInitialized` () const final
- const ::briar::BriarMedia & `media` () const
- void `MergeFrom` (const `TrackRequest` &from)
- ::briar::DetectionOptions * `mutable_detect_options` ()
- ::briar::BriarDurations * `mutable_durations` ()
- ::briar::BriarMedia * `mutable_media` ()
- std::string * `mutable_subject_id` ()
- std::string * `mutable_subject_name` ()
- `TrackRequest` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `TrackRequest` & `operator=` (const `TrackRequest` &from)
- `TrackRequest` & `operator=` (`TrackRequest` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::DetectionOptions * `release_detect_options` ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * `release_durations` ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_media` ()
- PROTOBUF_NODISCARD std::string * `release_subject_id` ()
- PROTOBUF_NODISCARD std::string * `release_subject_name` ()
- void `set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `set_allocated_media` (::briar::BriarMedia *`media`)
- void `set_allocated_subject_id` (std::string *`subject_id`)
- void `set_allocated_subject_name` (std::string *`subject_name`)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_subject_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_subject_id` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_subject_name` (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_subject_name` (ArgT0 &&arg0, ArgT... args)
- const std::string & `subject_id` () const
- const std::string & `subject_name` () const
- void `Swap` (`TrackRequest` *other)
- `TrackRequest` ()

- PROTOBUF_CONSTEXPR `TrackRequest` (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- `TrackRequest` (const `TrackRequest` &from)
- `TrackRequest` (`TrackRequest` &&from) noexcept
- ::briar::DetectionOptions * `unsafe_arena_release_detect_options` ()
- ::briar::BriarDurations * `unsafe_arena_release_durations` ()
- ::briar::BriarMedia * `unsafe_arena_release_media` ()
- void `unsafe_arena_set_allocated_detect_options` (::briar::DetectionOptions *`detect_options`)
- void `unsafe_arena_set_allocated_durations` (::briar::BriarDurations *`durations`)
- void `unsafe_arena_set_allocated_media` (::briar::BriarMedia *`media`)
- void `UnsafeArenaSwap` (`TrackRequest` *other)
- `~TrackRequest` () override

Static Public Member Functions

- static const `TrackRequest` & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const `TrackRequest` * `internal_default_instance` ()

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`

Protected Member Functions

- `TrackRequest` (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool `is_message_owned`=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void `swap` (`TrackRequest` &a, `TrackRequest` &b)

7.312.1 Member Enumeration Documentation

7.312.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubjectIdFieldNumber	
kSubjectNameFieldNumber	
kMediaFieldNumber	
kDurationsFieldNumber	
kDetectOptionsFieldNumber	

7.312.2 Constructor & Destructor Documentation**7.312.2.1 TrackRequest() [1/5]**

```
briar::TrackRequest::TrackRequest ( ) [inline]
```

7.312.2.2 ~TrackRequest()

```
briar::TrackRequest::~TrackRequest ( ) [override]
```

7.312.2.3 TrackRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::TrackRequest::TrackRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.312.2.4 TrackRequest() [3/5]

```
briar::TrackRequest::TrackRequest (
    const TrackRequest & from )
```

7.312.2.5 TrackRequest() [4/5]

```
briar::TrackRequest::TrackRequest (
    TrackRequest && from ) [inline], [noexcept]
```

7.312.2.6 TrackRequest() [5/5]

```
briar::TrackRequest::TrackRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.312.3 Member Function Documentation

7.312.3.1 _InternalParse()

```
const char * briar::TrackRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.312.3.2 _InternalSerialize()

```
uint8_t * briar::TrackRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.312.3.3 ByteSizeLong()

```
size_t briar::TrackRequest::ByteSizeLong ( ) const [final]
```

7.312.3.4 Clear()

```
void briar::TrackRequest::Clear ( ) [final]
```

7.312.3.5 clear_detect_options()

```
void briar::TrackRequest::clear_detect_options ( )
```

7.312.3.6 clear_durations()

```
void briar::TrackRequest::clear_durations ( )
```

7.312.3.7 clear_media()

```
void briar::TrackRequest::clear_media ( )
```

7.312.3.8 clear_subject_id()

```
void briar::TrackRequest::clear_subject_id ( ) [inline]
```

7.312.3.9 clear_subject_name()

```
void briar::TrackRequest::clear_subject_name ( ) [inline]
```

7.312.3.10 CopyFrom()

```
void briar::TrackRequest::CopyFrom (
    const TrackRequest & from )
```

7.312.3.11 default_instance()

```
static const TrackRequest& briar::TrackRequest::default_instance ( ) [inline], [static]
```

7.312.3.12 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackRequest::descriptor ( ) [inline],
[static]
```

7.312.3.13 detect_options()

```
const ::briar::DetectionOptions & briar::TrackRequest::detect_options () const [inline]
```

7.312.3.14 durations()

```
const ::briar::BriarDurations & briar::TrackRequest::durations () const [inline]
```

7.312.3.15 GetCachedSize()

```
int briar::TrackRequest::GetCachedSize () const [inline], [final]
```

7.312.3.16 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::TrackRequest::GetClassData () const [final]
```

7.312.3.17 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::TrackRequest::GetDescriptor () [inline], [static]
```

7.312.3.18 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::TrackRequest::GetMetadata () const [final]
```

7.312.3.19 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::TrackRequest::GetReflection () [inline], [static]
```

7.312.3.20 has_detect_options()

```
bool briar::TrackRequest::has_detect_options () const [inline]
```

7.312.3.21 has_durations()

```
bool briar::TrackRequest::has_durations () const [inline]
```

7.312.3.22 has_media()

```
bool briar::TrackRequest::has_media () const [inline]
```

7.312.3.23 internal_default_instance()

```
static const TrackRequest* briar::TrackRequest::internal_default_instance () [inline], [static]
```

7.312.3.24 IsInitialized()

```
bool briar::TrackRequest::IsInitialized () const [final]
```

7.312.3.25 media()

```
const ::briar::BriarMedia & briar::TrackRequest::media () const [inline]
```

7.312.3.26 MergeFrom()

```
void briar::TrackRequest::MergeFrom (
    const TrackRequest & from )
```

7.312.3.27 mutable_detect_options()

```
briar::DetectionOptions * briar::TrackRequest::mutable_detect_options ( ) [inline]
```

7.312.3.28 mutable_durations()

```
briar::BriarDurations * briar::TrackRequest::mutable_durations ( ) [inline]
```

7.312.3.29 mutable_media()

```
briar::BriarMedia * briar::TrackRequest::mutable_media ( ) [inline]
```

7.312.3.30 mutable_subject_id()

```
std::string * briar::TrackRequest::mutable_subject_id ( ) [inline]
```

7.312.3.31 mutable_subject_name()

```
std::string * briar::TrackRequest::mutable_subject_name ( ) [inline]
```

7.312.3.32 New()

```
TrackRequest* briar::TrackRequest::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.312.3.33 operator=() [1/2]

```
TrackRequest& briar::TrackRequest::operator= ( const TrackRequest & from ) [inline]
```

7.312.3.34 operator=() [2/2]

```
TrackRequest& briar::TrackRequest::operator= (
    TrackRequest && from ) [inline], [noexcept]
```

7.312.3.35 release_detect_options()

```
briar::DetectionOptions * briar::TrackRequest::release_detect_options ( ) [inline]
```

7.312.3.36 release_durations()

```
briar::BriarDurations * briar::TrackRequest::release_durations ( ) [inline]
```

7.312.3.37 release_media()

```
briar::BriarMedia * briar::TrackRequest::release_media ( ) [inline]
```

7.312.3.38 release_subject_id()

```
std::string * briar::TrackRequest::release_subject_id ( ) [inline]
```

7.312.3.39 release_subject_name()

```
std::string * briar::TrackRequest::release_subject_name ( ) [inline]
```

7.312.3.40 set_allocated_detect_options()

```
void briar::TrackRequest::set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.312.3.41 set_allocated_durations()

```
void briar::TrackRequest::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.312.3.42 set_allocated_media()

```
void briar::TrackRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.312.3.43 set_allocated_subject_id()

```
void briar::TrackRequest::set_allocated_subject_id (
    std::string * subject_id ) [inline]
```

7.312.3.44 set_allocated_subject_name()

```
void briar::TrackRequest::set_allocated_subject_name (
    std::string * subject_name ) [inline]
```

7.312.3.45 set_subject_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TrackRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.312.3.46 set_subject_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TrackRequest::set_subject_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.312.3.47 set_subject_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::TrackRequest::set_subject_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.312.3.48 set_subject_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::TrackRequest::set_subject_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.312.3.49 subject_id()

```
const std::string & briar::TrackRequest::subject_id ( ) const [inline]
```

7.312.3.50 subject_name()

```
const std::string & briar::TrackRequest::subject_name ( ) const [inline]
```

7.312.3.51 Swap()

```
void briar::TrackRequest::Swap (
    TrackRequest * other ) [inline]
```

7.312.3.52 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::TrackRequest::unsafe_arena_release_detect_options ( ) [inline]
```

7.312.3.53 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::TrackRequest::unsafe_arena_release_durations ( ) [inline]
```

7.312.3.54 unsafe_arena_release_media()

```
briar::BriarMedia * briar::TrackRequest::unsafe_arena_release_media ( ) [inline]
```

7.312.3.55 unsafe_arena_set_allocated_detect_options()

```
void briar::TrackRequest::unsafe_arena_set_allocated_detect_options (
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.312.3.56 unsafe_arena_set_allocated_durations()

```
void briar::TrackRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.312.3.57 unsafe_arena_set_allocated_media()

```
void briar::TrackRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.312.3.58 UnsafeArenaSwap()

```
void briar::TrackRequest::UnsafeArenaSwap (
    TrackRequest * other ) [inline]
```

7.312.4 Friends And Related Function Documentation

7.312.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.312.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.312.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot [friend]
```

7.312.4.4 swap

```
void swap (
    TrackRequest & a,
    TrackRequest & b ) [friend]
```

7.312.5 Member Data Documentation**7.312.5.1 _class_data_**

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::TrackRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    TrackRequest::MergeImpl
}
```

7.312.5.2 kIndexInFileMessages

```
constexpr int briar::TrackRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

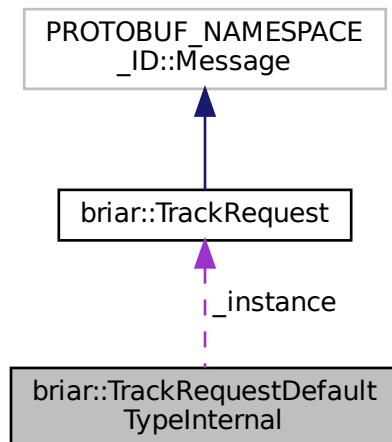
```
= 28
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.313 briar::TrackRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::TrackRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR `TrackRequestDefaultTypeInternal()`
- `~TrackRequestDefaultTypeInternal()`

Public Attributes

- union {
 `TrackRequest _instance`
};

7.313.1 Constructor & Destructor Documentation

7.313.1.1 `TrackRequestDefaultTypeInternal()`

```
PROTOBUF_CONSTEXPR briar::TrackRequestDefaultTypeInternal::TrackRequestDefaultTypeInternal( )
[inline]
```

7.313.1.2 ~TrackRequestDefaultTypeInternal()

```
briar::TrackRequestDefaultTypeInternal::~TrackRequestDefaultTypeInternal ( ) [inline]
```

7.313.2 Member Data Documentation

7.313.2.1

```
union { ... }
```

7.313.2.2 _instance

```
TrackRequest briar::TrackRequestDefaultTypeInternal::_instance
```

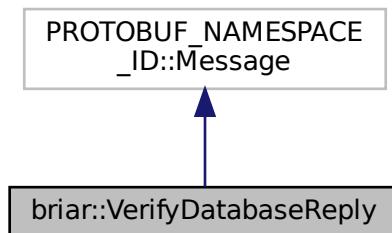
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/[briar_service.pb.cc](#)

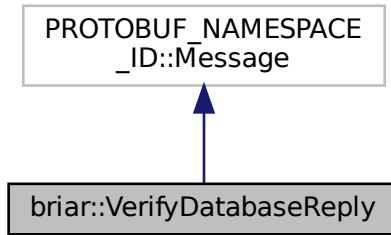
7.314 briar::VerifyDatabaseReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply:



Collaboration diagram for briar::VerifyDatabaseReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {

 kMatrixProbeDetectionsFieldNumber = 12, kMatrixGalleryDetectionsFieldNumber = 13, kMatrixProbeTrackletsFieldNumber

 = 14, kMatrixGalleryTrackletsFieldNumber = 15,

 kMatrixProbeAttributesFieldNumber = 16, kMatrixGalleryAttributesFieldNumber = 17, kErrorsFieldNumber

 = 6, kProgressFieldNumber = 7,

 kMatchMatrixFieldNumber = 9, kUsesIntegerSubjectIdGalleryFieldNumber = 5
 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_errors](#) ()
- void [clear_match_matrix](#) ()
- void [clear_matrix_gallery_attributes](#) ()
- void [clear_matrix_gallery_detections](#) ()
- void [clear_matrix_gallery_tracklets](#) ()
- void [clear_matrix_probe_attributes](#) ()
- void [clear_matrix_probe_detections](#) ()
- void [clear_matrix_probe_tracklets](#) ()
- void [clear_progress](#) ()
- void [clear_uses_integer_subject_id_gallery](#) ()
- void [CopyFrom](#) (const [VerifyDatabaseReply](#) &from)
- const ::briar::BriarErrors & [errors](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_errors](#) () const
- bool [has_match_matrix](#) () const
- bool [has_progress](#) () const
- bool [IsInitialized](#) () const final
- const ::briar::BriarMatrix & [match_matrix](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > & [matrix_gallery_attributes](#) () const
- int [matrix_gallery_attributes_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > & [matrix_gallery_detections](#) () const
- int [matrix_gallery_detections_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > & [matrix_gallery_tracklets](#) () const
- int [matrix_gallery_tracklets_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > & [matrix_probe_attributes](#) () const
- int [matrix_probe_attributes_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > & [matrix_probe_detections](#) () const
- int [matrix_probe_detections_size](#) () const
- const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > & [matrix_probe_tracklets](#) () const
- int [matrix_probe_tracklets_size](#) () const
- void [MergeFrom](#) (const [VerifyDatabaseReply](#) &from)
- ::briar::BriarErrors * [mutable_errors](#) ()
- ::briar::BriarMatrix * [mutable_match_matrix](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > * [mutable_matrix_gallery_attributes](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > * [mutable_matrix_gallery_detections](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > * [mutable_matrix_gallery_tracklets](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > * [mutable_matrix_probe_attributes](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > * [mutable_matrix_probe_detections](#) ()
- ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > * [mutable_matrix_probe_tracklets](#) ()
- ::briar::BriarProgress * [mutable_progress](#) ()
- [VerifyDatabaseReply](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [VerifyDatabaseReply](#) & [operator=](#) (const [VerifyDatabaseReply](#) &from)
- [VerifyDatabaseReply](#) & [operator=](#) ([VerifyDatabaseReply](#) &&from) noexcept
- const ::briar::BriarProgress & [progress](#) () const
- PROTOBUF_NODISCARD ::briar::BriarErrors * [release_errors](#) ()
- PROTOBUF_NODISCARD ::briar::BriarMatrix * [release_match_matrix](#) ()
- PROTOBUF_NODISCARD ::briar::BriarProgress * [release_progress](#) ()
- void [set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [set_allocated_match_matrix](#) (::briar::BriarMatrix *match_matrix)
- void [set_allocated_progress](#) (::briar::BriarProgress *progress)
- void [set_uses_integer_subject_id_gallery](#) (bool value)
- void [Swap](#) ([VerifyDatabaseReply](#) *other)
- ::briar::BriarErrors * [unsafe_arena_release_errors](#) ()
- ::briar::BriarMatrix * [unsafe_arena_release_match_matrix](#) ()
- ::briar::BriarProgress * [unsafe_arena_release_progress](#) ()
- void [unsafe_arena_set_allocated_errors](#) (::briar::BriarErrors *errors)
- void [unsafe_arena_set_allocated_match_matrix](#) (::briar::BriarMatrix *match_matrix)
- void [unsafe_arena_set_allocated_progress](#) (::briar::BriarProgress *progress)

- void [UnsafeArenaSwap](#) ([VerifyDatabaseReply](#) *other)
- bool [uses_integer_subject_id_gallery](#) () const
- [VerifyDatabaseReply](#) ()
- PROTOBUF_CONSTEXPR [VerifyDatabaseReply](#) (::PROTOBUF_NAMESPACE_ID::internal::Constant<Initialized>)
- [VerifyDatabaseReply](#) (const [VerifyDatabaseReply](#) &from)
- [VerifyDatabaseReply](#) ([VerifyDatabaseReply](#) &&from) noexcept
- [~VerifyDatabaseReply](#) () override

Static Public Member Functions

- static const [VerifyDatabaseReply](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [VerifyDatabaseReply](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyDatabaseReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void [swap](#) ([VerifyDatabaseReply](#) &a, [VerifyDatabaseReply](#) &b)

7.314.1 Member Enumeration Documentation

7.314.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMatrixProbeDetectionsFieldNumber	
kMatrixGalleryDetectionsFieldNumber	
kMatrixProbeTrackletsFieldNumber	
kMatrixGalleryTrackletsFieldNumber	
kMatrixProbeAttributesFieldNumber	
kMatrixGalleryAttributesFieldNumber	
kErrorsFieldNumber	
kProgressFieldNumber	

7.314.2 Constructor & Destructor Documentation

7.314.2.1 VerifyDatabaseReply() [1/5]

```
briar::VerifyDatabaseReply::VerifyDatabaseReply ( ) [inline]
```

7.314.2.2 ~VerifyDatabaseReply()

```
briar::VerifyDatabaseReply::~VerifyDatabaseReply ( ) [override]
```

7.314.2.3 VerifyDatabaseReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply::VerifyDatabaseReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.314.2.4 VerifyDatabaseReply() [3/5]

```
briar::VerifyDatabaseReply::VerifyDatabaseReply (
    const VerifyDatabaseReply & from )
```

7.314.2.5 VerifyDatabaseReply() [4/5]

```
briar::VerifyDatabaseReply::VerifyDatabaseReply (
    VerifyDatabaseReply && from ) [inline], [noexcept]
```

7.314.2.6 VerifyDatabaseReply() [5/5]

```
briar::VerifyDatabaseReply::VerifyDatabaseReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.314.3 Member Function Documentation

7.314.3.1 `_InternalParse()`

```
const char * briar::VerifyDatabaseReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.314.3.2 `_InternalSerialize()`

```
uint8_t * briar::VerifyDatabaseReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.314.3.3 `ByteSizeLong()`

```
size_t briar::VerifyDatabaseReply::ByteSizeLong ( ) const [final]
```

7.314.3.4 `Clear()`

```
void briar::VerifyDatabaseReply::Clear ( ) [final]
```

7.314.3.5 `clear_errors()`

```
void briar::VerifyDatabaseReply::clear_errors ( )
```

7.314.3.6 `clear_match_matrix()`

```
void briar::VerifyDatabaseReply::clear_match_matrix ( )
```

7.314.3.7 `clear_matrix_gallery_attributes()`

```
void briar::VerifyDatabaseReply::clear_matrix_gallery_attributes ( )
```

7.314.3.8 clear_matrix_gallery_detections()

```
void briar::VerifyDatabaseReply::clear_matrix_gallery_detections ( )
```

7.314.3.9 clear_matrix_gallery_tracklets()

```
void briar::VerifyDatabaseReply::clear_matrix_gallery_tracklets ( )
```

7.314.3.10 clear_matrix_probe_attributes()

```
void briar::VerifyDatabaseReply::clear_matrix_probe_attributes ( )
```

7.314.3.11 clear_matrix_probe_detections()

```
void briar::VerifyDatabaseReply::clear_matrix_probe_detections ( )
```

7.314.3.12 clear_matrix_probe_tracklets()

```
void briar::VerifyDatabaseReply::clear_matrix_probe_tracklets ( )
```

7.314.3.13 clear_progress()

```
void briar::VerifyDatabaseReply::clear_progress ( )
```

7.314.3.14 clear_uses_integer_subject_id_gallery()

```
void briar::VerifyDatabaseReply::clear_uses_integer_subject_id_gallery ( ) [inline]
```

7.314.3.15 CopyFrom()

```
void briar::VerifyDatabaseReply::CopyFrom (
    const VerifyDatabaseReply & from )
```

7.314.3.16 default_instance()

```
static const VerifyDatabaseReply& briar::VerifyDatabaseReply::default_instance ( ) [inline],  
[static]
```

7.314.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyDatabaseReply::descriptor ( )  
[inline], [static]
```

7.314.3.18 errors()

```
const ::briar::BriarErrors & briar::VerifyDatabaseReply::errors ( ) const [inline]
```

7.314.3.19 GetCachedSize()

```
int briar::VerifyDatabaseReply::GetCachedSize ( ) const [inline], [final]
```

7.314.3.20 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyDatabaseReply::GetClassData ( )  
const [final]
```

7.314.3.21 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyDatabaseReply::GetDescriptor ( )  
[inline], [static]
```

7.314.3.22 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply::GetMetadata ( ) const [final]
```

7.314.3.23 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyDatabaseReply::GetReflection( ) [inline], [static]
```

7.314.3.24 has_errors()

```
bool briar::VerifyDatabaseReply::has_errors( ) const [inline]
```

7.314.3.25 has_match_matrix()

```
bool briar::VerifyDatabaseReply::has_match_matrix( ) const [inline]
```

7.314.3.26 has_progress()

```
bool briar::VerifyDatabaseReply::has_progress( ) const [inline]
```

7.314.3.27 internal_default_instance()

```
static const VerifyDatabaseReply* briar::VerifyDatabaseReply::internal_default_instance( ) [inline], [static]
```

7.314.3.28 IsInitialized()

```
bool briar::VerifyDatabaseReply::IsInitialized( ) const [final]
```

7.314.3.29 match_matrix()

```
const ::briar::BriarMatrix & briar::VerifyDatabaseReply::match_matrix( ) const [inline]
```

7.314.3.30 matrix_gallery_attributes()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string,::briar::MediaMetadata > & briar::Verify<-
DatabaseReply::matrix_gallery_attributes ( ) const [inline]
```

7.314.3.31 matrix_gallery_attributes_size()

```
int briar::VerifyDatabaseReply::matrix_gallery_attributes_size ( ) const [inline]
```

7.314.3.32 matrix_gallery_detections()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string,::briar::Detection > & briar::VerifyDatabase<-
Reply::matrix_gallery_detections ( ) const [inline]
```

7.314.3.33 matrix_gallery_detections_size()

```
int briar::VerifyDatabaseReply::matrix_gallery_detections_size ( ) const [inline]
```

7.314.3.34 matrix_gallery_tracklets()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string,::briar::Tracklet > & briar::VerifyDatabase<-
Reply::matrix_gallery_tracklets ( ) const [inline]
```

7.314.3.35 matrix_gallery_tracklets_size()

```
int briar::VerifyDatabaseReply::matrix_gallery_tracklets_size ( ) const [inline]
```

7.314.3.36 matrix_probe_attributes()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string,::briar::MediaMetadata > & briar::Verify<-
DatabaseReply::matrix_probe_attributes ( ) const [inline]
```

7.314.3.37 matrix_probe_attributes_size()

```
int briar::VerifyDatabaseReply::matrix_probe_attributes_size ( ) const [inline]
```

7.314.3.38 matrix_probe_detections()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > & briar::VerifyDatabaseReply::matrix_probe_detections ( ) const [inline]
```

7.314.3.39 matrix_probe_detections_size()

```
int briar::VerifyDatabaseReply::matrix_probe_detections_size ( ) const [inline]
```

7.314.3.40 matrix_probe_tracklets()

```
const ::PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > & briar::VerifyDatabaseReply::matrix_probe_tracklets ( ) const [inline]
```

7.314.3.41 matrix_probe_tracklets_size()

```
int briar::VerifyDatabaseReply::matrix_probe_tracklets_size ( ) const [inline]
```

7.314.3.42 MergeFrom()

```
void briar::VerifyDatabaseReply::MergeFrom (
    const VerifyDatabaseReply & from )
```

7.314.3.43 mutable_errors()

```
briar::BriarErrors * briar::VerifyDatabaseReply::mutable_errors ( ) [inline]
```

7.314.3.44 `mutable_match_matrix()`

```
briar::BriarMatrix * briar::VerifyDatabaseReply::mutable_match_matrix ( ) [inline]
```

7.314.3.45 `mutable_matrix_gallery_attributes()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > * briar::VerifyDatabaseReply::mutable_matrix_gallery_attributes ( ) [inline]
```

7.314.3.46 `mutable_matrix_gallery_detections()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > * briar::VerifyDatabaseReply::mutable_matrix_gallery_detections ( ) [inline]
```

7.314.3.47 `mutable_matrix_gallery_tracklets()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > * briar::VerifyDatabaseReply::mutable_matrix_gallery_tracklets ( ) [inline]
```

7.314.3.48 `mutable_matrix_probe_attributes()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::MediaMetadata > * briar::VerifyDatabaseReply::mutable_matrix_probe_attributes ( ) [inline]
```

7.314.3.49 `mutable_matrix_probe_detections()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Detection > * briar::VerifyDatabaseReply::mutable_matrix_probe_detections ( ) [inline]
```

7.314.3.50 `mutable_matrix_probe_tracklets()`

```
PROTOBUF_NAMESPACE_ID::Map< std::string, ::briar::Tracklet > * briar::VerifyDatabaseReply::mutable_matrix_probe_tracklets ( ) [inline]
```

7.314.3.51 mutable_progress()

```
briar::BriarProgress * briar::VerifyDatabaseReply::mutable_progress ( ) [inline]
```

7.314.3.52 New()

```
VerifyDatabaseReply* briar::VerifyDatabaseReply::New (  
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.314.3.53 operator=() [1/2]

```
VerifyDatabaseReply& briar::VerifyDatabaseReply::operator= (   
    const VerifyDatabaseReply & from ) [inline]
```

7.314.3.54 operator=() [2/2]

```
VerifyDatabaseReply& briar::VerifyDatabaseReply::operator= (   
    VerifyDatabaseReply && from ) [inline], [noexcept]
```

7.314.3.55 progress()

```
const ::briar::BriarProgress & briar::VerifyDatabaseReply::progress ( ) const [inline]
```

7.314.3.56 release_errors()

```
briar::BriarErrors * briar::VerifyDatabaseReply::release_errors ( ) [inline]
```

7.314.3.57 release_match_matrix()

```
briar::BriarMatrix * briar::VerifyDatabaseReply::release_match_matrix ( ) [inline]
```

7.314.3.58 release_progress()

```
briar::BriarProgress * briar::VerifyDatabaseReply::release_progress ( ) [inline]
```

7.314.3.59 set_allocated_errors()

```
void briar::VerifyDatabaseReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.314.3.60 set_allocated_match_matrix()

```
void briar::VerifyDatabaseReply::set_allocated_match_matrix (
    ::briar::BriarMatrix * match_matrix ) [inline]
```

7.314.3.61 set_allocated_progress()

```
void briar::VerifyDatabaseReply::set_allocated_progress (
    ::briar::BriarProgress * progress ) [inline]
```

7.314.3.62 set_uses_integer_subject_id_gallery()

```
void briar::VerifyDatabaseReply::set_uses_integer_subject_id_gallery (
    bool value ) [inline]
```

7.314.3.63 Swap()

```
void briar::VerifyDatabaseReply::Swap (
    VerifyDatabaseReply * other ) [inline]
```

7.314.3.64 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::VerifyDatabaseReply::unsafe_arena_release_errors ( ) [inline]
```

7.314.3.65 unsafe_arena_release_match_matrix()

```
briar::BriarMatrix * briar::VerifyDatabaseReply::unsafe_arena_release_match_matrix ( ) [inline]
```

7.314.3.66 unsafe_arena_release_progress()

```
briar::BriarProgress * briar::VerifyDatabaseReply::unsafe_arena_release_progress ( ) [inline]
```

7.314.3.67 unsafe_arena_set_allocated_errors()

```
void briar::VerifyDatabaseReply::unsafe_arena_set_allocated_errors (  
    ::briar::BriarErrors * errors ) [inline]
```

7.314.3.68 unsafe_arena_set_allocated_match_matrix()

```
void briar::VerifyDatabaseReply::unsafe_arena_set_allocated_match_matrix (   
    ::briar::BriarMatrix * match_matrix ) [inline]
```

7.314.3.69 unsafe_arena_set_allocated_progress()

```
void briar::VerifyDatabaseReply::unsafe_arena_set_allocated_progress (   
    ::briar::BriarProgress * progress ) [inline]
```

7.314.3.70 UnsafeArenaSwap()

```
void briar::VerifyDatabaseReply::UnsafeArenaSwap (   
    VerifyDatabaseReply * other ) [inline]
```

7.314.3.71 uses_integer_subject_id_gallery()

```
bool briar::VerifyDatabaseReply::uses_integer_subject_id_gallery ( ) const [inline]
```

7.314.4 Friends And Related Function Documentation

7.314.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.314.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.314.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.314.4.4 swap

```
void swap (
    VerifyDatabaseReply & a,
    VerifyDatabaseReply & b ) [friend]
```

7.314.5 Member Data Documentation

7.314.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyDatabaseReply::_class_data_<->
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyDatabaseReply::MergeImpl
}
```

7.314.5.2 kIndexInFileMessages

```
constexpr int briar::VerifyDatabaseReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 50
```

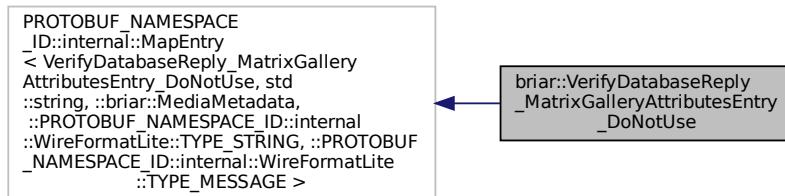
The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

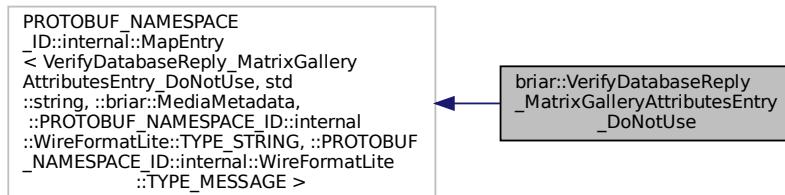
7.315 briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse:



Public Types

- `typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse, std::string, ::briar::MediaMetadata, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> SuperType`

Public Member Functions

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#) &other)
- [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#) ()
- [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena)
- PROTOBUF_CONSTEXPR [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)

Static Public Member Functions

- static const [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse](#) * [internal_default_instance](#) ()
- static bool [ValidateKey](#) (std::string *s)
- static bool [ValidateValue](#) (void *)

Friends

- struct [TableStruct_briar_2fbriar_5fgRPC_2fbriar_5fservice_2eproto](#)

7.315.1 Member Typedef Documentation

7.315.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse, std::string, ::briar::MediaMetadata, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply\_MatrixGa
```

7.315.2 Constructor & Destructor Documentation

7.315.2.1 [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse\(\)](#) [1/3]

```
briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse ( )
```

7.315.2.2 [VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse\(\)](#) [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse (  
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.315.2.3 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse::VerifyDatabaseReply_Matrix←
GalleryAttributesEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.315.3 Member Function Documentation**7.315.3.1 GetMetadata()**

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_Do←
NotUse::GetMetadata () const [final]
```

7.315.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse* briar::VerifyDatabase←
Reply_MatrixGalleryAttributesEntry_DoNotUse::internal_default_instance () [inline], [static]
```

7.315.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse::MergeFrom (
    const VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse & other )
```

7.315.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.315.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse::ValidateValue (
    void * ) [inline], [static]
```

7.315.4 Friends And Related Function Documentation

7.315.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto

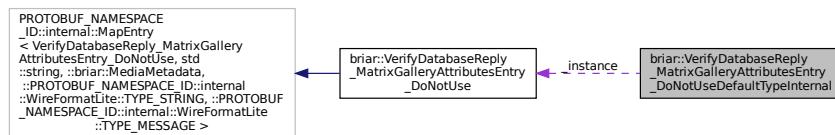
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.316 briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()
- ~VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse _instance
 };

7.316.1 Constructor & Destructor Documentation

7.316.1.1 VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal( )
[inline]
```

7.316.1.2 ~VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.316.2 Member Data Documentation

7.316.2.1

```
union { ... }
```

7.316.2.2 _instance

```
VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUseDefaultTypeInternal::_instance
```

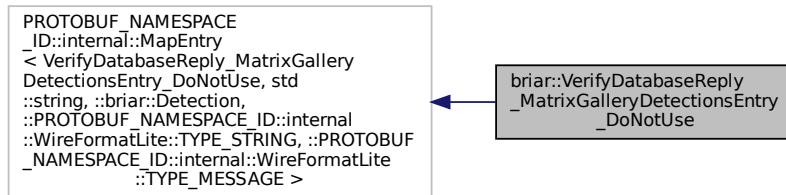
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

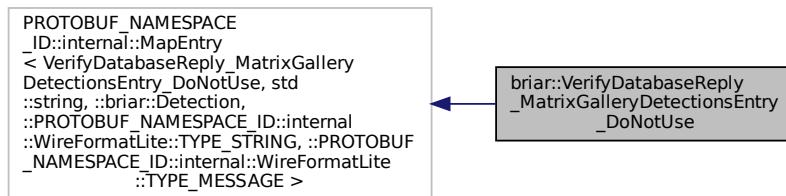
7.317 briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse:



Public Types

- `typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse, std::string, ::briar::Detection, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> SuperType`

Public Member Functions

- `::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final`
- `void MergeFrom (const VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse &other)`
- `VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse ()`
- `VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::Arena *arena)`
- `PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`

Static Public Member Functions

- `static const VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse * internal_default_instance ()`
- `static bool ValidateKey (std::string *s)`
- `static bool ValidateValue (void *)`

Friends

- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`

7.317.1 Member Typedef Documentation

7.317.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse, std::string, ::briar::Detection, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply_MatrixGal
```

7.317.2 Constructor & Destructor Documentation

7.317.2.1 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [1/3]

```
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse ( )
```

7.317.2.2 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::Verify<-
DatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.317.2.3 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::VerifyDatabaseReply_Matrix<-
GalleryDetectionsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.317.3 Member Function Documentation

7.317.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_Do<-
NotUse::GetMetadata ( ) const [final]
```

7.317.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse* briar::VerifyDatabase<-
Reply_MatrixGalleryDetectionsEntry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.317.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::MergeFrom (
    const VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse & other )
```

7.317.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.317.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse::ValidateValue (
    void * ) [inline], [static]
```

7.317.4 Friends And Related Function Documentation

7.317.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

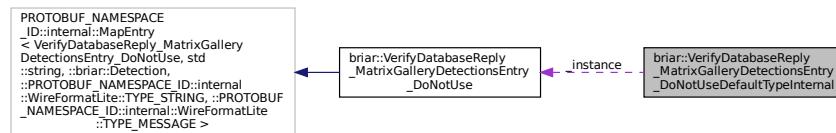
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.318 briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal ()
- ~VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal ()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse _instance
 };

7.318.1 Constructor & Destructor Documentation

7.318.1.1 VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal ( )  
[inline]
```

7.318.1.2 ~VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.318.2 Member Data Documentation

7.318.2.1

```
union { ... }
```

7.318.2.2 _instance

```
VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUseDefaultTypeInternal::_instance
```

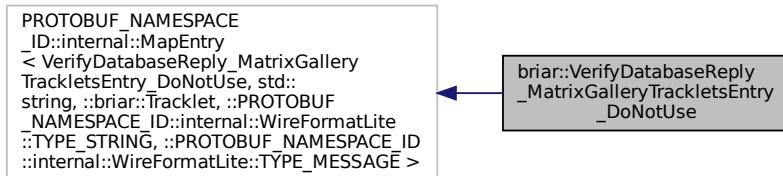
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

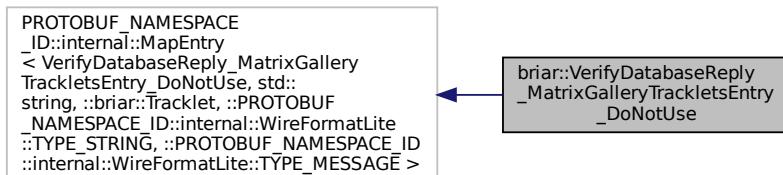
7.319 briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse:



Public Types

- typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<[VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#), std::string, ::[briar::Tracklet](#), ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> [SuperType](#)

Public Member Functions

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#) &other)
- [VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#) ()
- [VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena)
- PROTOBUF_CONSTEXPR [VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)

Static Public Member Functions

- static const [VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse](#) * [internal_default_instance](#) ()
- static bool [ValidateKey](#) (std::string *s)
- static bool [ValidateValue](#) (void *)

Friends

- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

7.319.1 Member Typedef Documentation

7.319.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse,
std::string, ::briar::Tracklet, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_->
STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply_MatrixGal-
```

7.319.2 Constructor & Destructor Documentation

7.319.2.1 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [1/3]

```
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::VerifyDatabaseReply_Matrix->
GalleryTrackletsEntry_DoNotUse ( )
```

7.319.2.2 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::Verify->
DatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.319.2.3 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::VerifyDatabaseReply_Matrix->
GalleryTrackletsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.319.3 Member Function Documentation

7.319.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::GetMetadata ( ) const [final]
```

7.319.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse* briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.319.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::MergeFrom ( const VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse & other )
```

7.319.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::ValidateKey ( std::string * s ) [inline], [static]
```

7.319.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse::ValidateValue ( void * ) [inline], [static]
```

7.319.4 Friends And Related Function Documentation

7.319.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

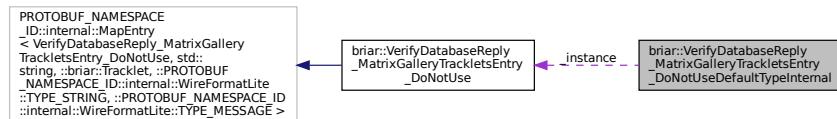
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.320 briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()
- ~VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse _instance
};

7.320.1 Constructor & Destructor Documentation

7.320.1.1 VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal( ) [inline]
```

7.320.1.2 ~VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUseDefaultTypeInternal( ) [inline]
```

7.320.2 Member Data Documentation

7.320.2.1

```
union { ... }
```

7.320.2.2 _instance

```
VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse briar::VerifyDatabaseReply_Matrix←
GalleryTrackletsEntry_DoNotUseDefaultTypeInternal::_instance
```

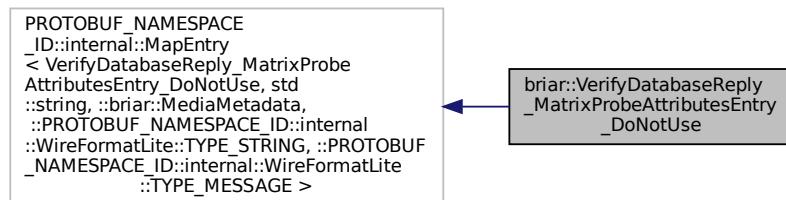
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

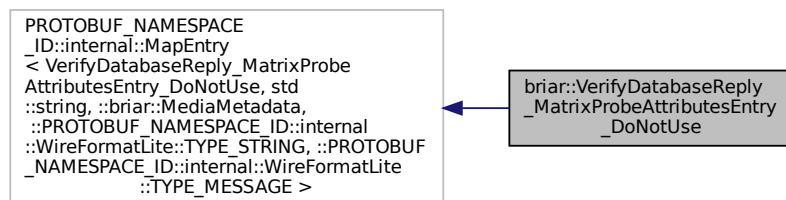
7.321 briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse:



Public Types

- `typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse, std::string, ::briar::MediaMetadata, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE← STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> SuperType`

Public Member Functions

- `::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final`
- `void MergeFrom (const VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse &other)`
- `VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse ()`
- `VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::Arena *arena)`
- `PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`

Static Public Member Functions

- `static const VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse * internal_default_instance ()`
- `static bool ValidateKey (std::string *s)`
- `static bool ValidateValue (void *)`

Friends

- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`

7.321.1 Member Typedef Documentation

7.321.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse, std::string, ::briar::MediaMetadata, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE←_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply_MatrixPr
```

7.321.2 Constructor & Destructor Documentation

7.321.2.1 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [1/3]

```
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::VerifyDatabaseReply_Matrix← ProbeAttributesEntry_DoNotUse ( )
```

7.321.2.2 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::Verify<-
DatabaseReply_MatrixProbeAttributesEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.321.2.3 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::VerifyDatabaseReply_Matrix<-
ProbeAttributesEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.321.3 Member Function Documentation

7.321.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNot<-
Use::GetMetadata ( ) const [final]
```

7.321.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse* briar::VerifyDatabase<-
Reply_MatrixProbeAttributesEntry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.321.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::MergeFrom (
    const VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse & other )
```

7.321.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.321.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse::ValidateValue ( void * ) [inline], [static]
```

7.321.4 Friends And Related Function Documentation

7.321.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

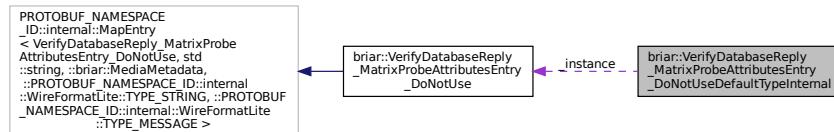
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.322 briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal ()
- ~VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal ()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse _instance
};

7.322.1 Constructor & Destructor Documentation

7.322.1.1 VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal ( )  
[inline]
```

7.322.1.2 ~VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.322.2 Member Data Documentation

7.322.2.1

```
union { ... }
```

7.322.2.2 _instance

```
VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUseDefaultTypeInternal::_instance
```

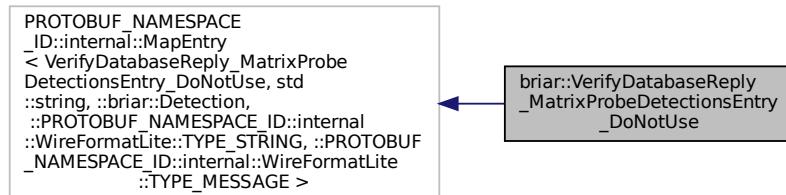
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

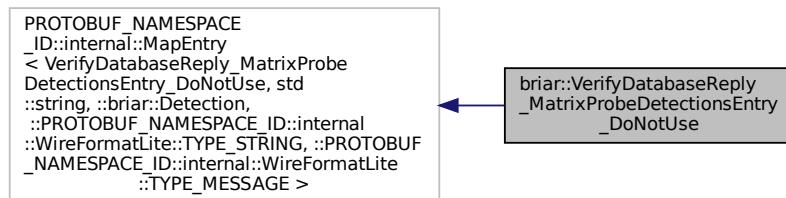
7.323 briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse:



Public Types

- typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<[VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse](#), std::string, [briar::Detection](#), ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> [SuperType](#)

Public Member Functions

- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- void [MergeFrom](#) (const [VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse](#) &other)
- [VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse](#) ()
- [VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena)
- PROTOBUF_CONSTEXPR [VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)

Static Public Member Functions

- static const `VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse * internal_default_instance ()`
- static bool `ValidateKey (std::string *s)`
- static bool `ValidateValue (void *)`

Friends

- struct `::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto`

7.323.1 Member Typedef Documentation

7.323.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse,
std::string, ::briar::Detection, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_←
STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply_MatrixPro
```

7.323.2 Constructor & Destructor Documentation

7.323.2.1 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [1/3]

```
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::VerifyDatabaseReply_Matrix←
ProbeDetectionsEntry_DoNotUse ( )
```

7.323.2.2 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::Verify←
DatabaseReply_MatrixProbeDetectionsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.323.2.3 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::VerifyDatabaseReply_Matrix←
ProbeDetectionsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.323.3 Member Function Documentation

7.323.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::GetMetadata ( ) const [final]
```

7.323.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse* briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.323.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::MergeFrom ( const VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse & other )
```

7.323.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::ValidateKey ( std::string * s ) [inline], [static]
```

7.323.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse::ValidateValue ( void * ) [inline], [static]
```

7.323.4 Friends And Related Function Documentation

7.323.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto

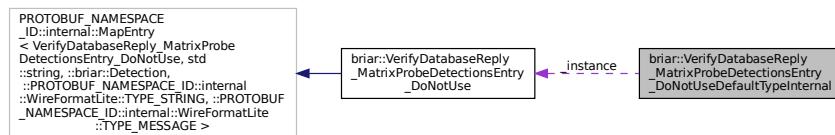
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.324 briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()
- ~VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse _instance
 };

7.324.1 Constructor & Destructor Documentation

7.324.1.1 VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal() [inline]
```

7.324.1.2 ~VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.324.2 Member Data Documentation

7.324.2.1

```
union { ... }
```

7.324.2.2 _instance

```
VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUseDefaultTypeInternal::_instance
```

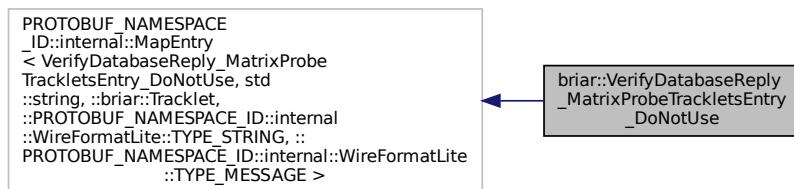
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

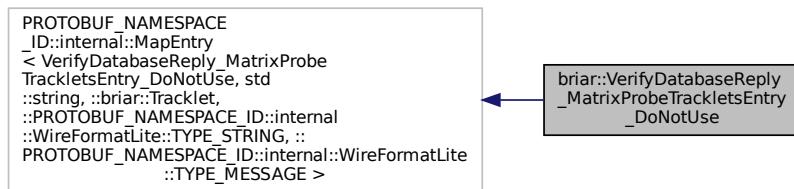
7.325 briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse:



Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse:



Public Types

- `typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse, std::string, ::briar::Tracklet, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> SuperType`

Public Member Functions

- `::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final`
- `void MergeFrom (const VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse &other)`
- `VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse ()`
- `VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::Arena *arena)`
- `PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`

Static Public Member Functions

- `static const VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse * internal_default_instance ()`
- `static bool ValidateKey (std::string *s)`
- `static bool ValidateValue (void *)`

Friends

- `struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2aproto`

7.325.1 Member Typedef Documentation

7.325.1.1 SuperType

```
typedef ::PROTOBUF_NAMESPACE_ID::internal::MapEntry<VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse, std::string, ::briar::Tracklet, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_STRING, ::PROTOBUF_NAMESPACE_ID::internal::WireFormatLite::TYPE_MESSAGE> briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse
```

7.325.2 Constructor & Destructor Documentation

7.325.2.1 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [1/3]

```
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse ( )
```

7.325.2.2 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [2/3]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::Verify<-
DatabaseReply_MatrixProbeTrackletsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.325.2.3 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse() [3/3]

```
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::VerifyDatabaseReply_Matrix<-
ProbeTrackletsEntry_DoNotUse (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena ) [explicit]
```

7.325.3 Member Function Documentation

7.325.3.1 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNot<-
Use::GetMetadata ( ) const [final]
```

7.325.3.2 internal_default_instance()

```
static const VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse* briar::VerifyDatabase<-
Reply_MatrixProbeTrackletsEntry_DoNotUse::internal_default_instance ( ) [inline], [static]
```

7.325.3.3 MergeFrom()

```
void briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::MergeFrom (
    const VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse & other )
```

7.325.3.4 ValidateKey()

```
static bool briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::ValidateKey (
    std::string * s ) [inline], [static]
```

7.325.3.5 ValidateValue()

```
static bool briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse::ValidateValue (
    void * ) [inline], [static]
```

7.325.4 Friends And Related Function Documentation

7.325.4.1 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

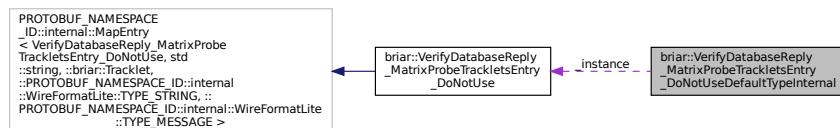
```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.326 briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal ()
- ~VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal ()

Public Attributes

- union {
 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse _instance
 };

7.326.1 Constructor & Destructor Documentation

7.326.1.1 VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal ( )  
[inline]
```

7.326.1.2 ~VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal()

```
briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal::~VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal ( ) [inline]
```

7.326.2 Member Data Documentation

7.326.2.1

```
union { ... }
```

7.326.2.2 _instance

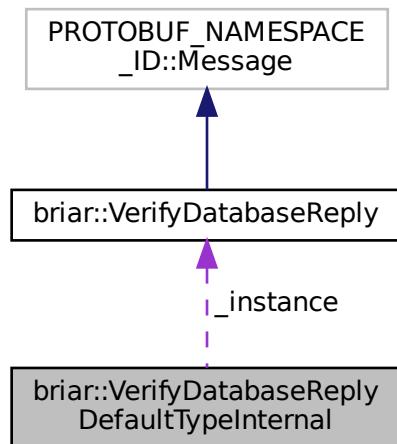
```
VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUseDefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.327 briar::VerifyDatabaseReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseReplyDefaultTypeInternal ()
- [~VerifyDatabaseReplyDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [VerifyDatabaseReply](#) [_instance](#)
};

7.327.1 Constructor & Destructor Documentation

7.327.1.1 VerifyDatabaseReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseReplyDefaultTypeInternal::VerifyDatabaseReplyDefaultTypeInternal ( ) [inline]
```

7.327.1.2 ~VerifyDatabaseReplyDefaultTypeInternal()

```
briar::VerifyDatabaseReplyDefaultTypeInternal::~VerifyDatabaseReplyDefaultTypeInternal ( )  
[inline]
```

7.327.2 Member Data Documentation

7.327.2.1

```
union { ... }
```

7.327.2.2 _instance

[VerifyDatabaseReply](#) briar::VerifyDatabaseReplyDefaultTypeInternal::_instance

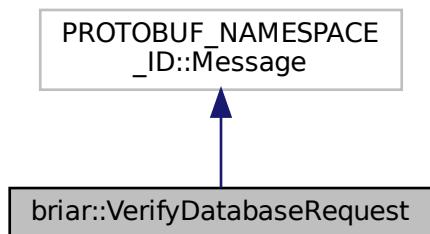
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

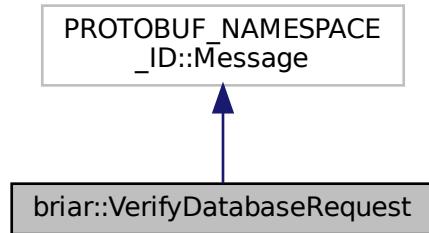
7.328 briar::VerifyDatabaseRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyDatabaseRequest:



Collaboration diagram for briar::VerifyDatabaseRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kProbeEntryIdsFieldNumber](#) = 12 , [kReferenceDatabaseFieldNumber](#) = 4 , [kVerifyDatabaseFieldNumber](#) = 7
 , [kDurationsFieldNumber](#) = 8 ,
[kVerifyOptionsFieldNumber](#) = 11 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- std::string * [add_probe_entry_ids](#) ()
- void [add_probe_entry_ids](#) (const char *value)
- void [add_probe_entry_ids](#) (const char *value, size_t size)
- void [add_probe_entry_ids](#) (const std::string &value)
- void [add_probe_entry_ids](#) (std::string &&value)
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_durations](#) ()
- void [clear_probe_entry_ids](#) ()
- void [clear_reference_database](#) ()
- void [clear_verify_database](#) ()
- void [clear_verify_options](#) ()
- void [CopyFrom](#) (const VerifyDatabaseRequest &from)
- const ::briar::BriarDurations & [durations](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_durations](#) () const

- bool `has_reference_database () const`
- bool `has_verify_database () const`
- bool `has_verify_options () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const VerifyDatabaseRequest &from)`
- `::briar::BriarDurations * mutable_durations ()`
- `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * mutable_probe_entry_ids ()`
- `std::string * mutable_probe_entry_ids (int index)`
- `::briar::BriarDatabase * mutable_reference_database ()`
- `::briar::BriarDatabase * mutable_verify_database ()`
- `::briar::VerifyOptions * mutable_verify_options ()`
- `VerifyDatabaseRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `VerifyDatabaseRequest & operator= (const VerifyDatabaseRequest &from)`
- `VerifyDatabaseRequest & operator= (VerifyDatabaseRequest &&from) noexcept`
- const `::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & probe_entry_ids () const`
- const `std::string & probe_entry_ids (int index) const`
- int `probe_entry_ids_size () const`
- const `::briar::BriarDatabase & reference_database () const`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_reference_database ()`
- `PROTOBUF_NODISCARD ::briar::BriarDatabase * release_verify_database ()`
- `PROTOBUF_NODISCARD ::briar::VerifyOptions * release_verify_options ()`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_reference_database (::briar::BriarDatabase *reference_database)`
- void `set_allocated_verify_database (::briar::BriarDatabase *verify_database)`
- void `set_allocated_verify_options (::briar::VerifyOptions *verify_options)`
- void `set_probe_entry_ids (int index, const char *value)`
- void `set_probe_entry_ids (int index, const char *value, size_t size)`
- void `set_probe_entry_ids (int index, const std::string &value)`
- void `set_probe_entry_ids (int index, std::string &&value)`
- void `Swap (VerifyDatabaseRequest *other)`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarDatabase * unsafe_arena_release_reference_database ()`
- `::briar::BriarDatabase * unsafe_arena_release_verify_database ()`
- `::briar::VerifyOptions * unsafe_arena_release_verify_options ()`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_reference_database (::briar::BriarDatabase *reference_database)`
- void `unsafe_arena_set_allocated_verify_database (::briar::BriarDatabase *verify_database)`
- void `unsafe_arena_set_allocated_verify_options (::briar::VerifyOptions *verify_options)`
- void `UnsafeArenaSwap (VerifyDatabaseRequest *other)`
- const `::briar::BriarDatabase & verify_database () const`
- const `::briar::VerifyOptions & verify_options () const`
- `VerifyDatabaseRequest ()`
- `PROTOBUF_CONSTEXPR VerifyDatabaseRequest (::PROTOBUF_NAMESPACE_ID::internal::Constant<-> Initialized)`
- `VerifyDatabaseRequest (const VerifyDatabaseRequest &from)`
- `VerifyDatabaseRequest (VerifyDatabaseRequest &&from) noexcept`
- `~VerifyDatabaseRequest () override`

Static Public Member Functions

- static const `VerifyDatabaseRequest & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `VerifyDatabaseRequest * internal_default_instance ()`

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyDatabaseRequest](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) ([VerifyDatabaseRequest](#) &a, [VerifyDatabaseRequest](#) &b)

7.328.1 Member Enumeration Documentation

7.328.1.1 anonymous enum

anonymous enum : int

Enumerator

kProbeEntryIdsFieldNumber	
kReferenceDatabaseFieldNumber	
kVerifyDatabaseFieldNumber	
kDurationsFieldNumber	
kVerifyOptionsFieldNumber	

7.328.2 Constructor & Destructor Documentation

7.328.2.1 VerifyDatabaseRequest() [1/5]

briar::VerifyDatabaseRequest::VerifyDatabaseRequest () [inline]

7.328.2.2 ~VerifyDatabaseRequest()

```
briar::VerifyDatabaseRequest::~VerifyDatabaseRequest ( ) [override]
```

7.328.2.3 VerifyDatabaseRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseRequest::VerifyDatabaseRequest (  
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.328.2.4 VerifyDatabaseRequest() [3/5]

```
briar::VerifyDatabaseRequest::VerifyDatabaseRequest (   
    const VerifyDatabaseRequest & from )
```

7.328.2.5 VerifyDatabaseRequest() [4/5]

```
briar::VerifyDatabaseRequest::VerifyDatabaseRequest (   
    VerifyDatabaseRequest && from ) [inline], [noexcept]
```

7.328.2.6 VerifyDatabaseRequest() [5/5]

```
briar::VerifyDatabaseRequest::VerifyDatabaseRequest (   
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,  
    bool is_message_owned = false ) [explicit], [protected]
```

7.328.3 Member Function Documentation

7.328.3.1 _InternalParse()

```
const char * briar::VerifyDatabaseRequest::_InternalParse (   
    const char * ptr,  
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.328.3.2 `_InternalSerialize()`

```
uint8_t * briar::VerifyDatabaseRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.328.3.3 `add_probe_entry_ids()` [1/5]

```
std::string * briar::VerifyDatabaseRequest::add_probe_entry_ids ( ) [inline]
```

7.328.3.4 `add_probe_entry_ids()` [2/5]

```
void briar::VerifyDatabaseRequest::add_probe_entry_ids (
    const char * value ) [inline]
```

7.328.3.5 `add_probe_entry_ids()` [3/5]

```
void briar::VerifyDatabaseRequest::add_probe_entry_ids (
    const char * value,
    size_t size ) [inline]
```

7.328.3.6 `add_probe_entry_ids()` [4/5]

```
void briar::VerifyDatabaseRequest::add_probe_entry_ids (
    const std::string & value ) [inline]
```

7.328.3.7 `add_probe_entry_ids()` [5/5]

```
void briar::VerifyDatabaseRequest::add_probe_entry_ids (
    std::string && value ) [inline]
```

7.328.3.8 `ByteSizeLong()`

```
size_t briar::VerifyDatabaseRequest::ByteSizeLong ( ) const [final]
```

7.328.3.9 Clear()

```
void briar::VerifyDatabaseRequest::Clear ( ) [final]
```

7.328.3.10 clear_durations()

```
void briar::VerifyDatabaseRequest::clear_durations ( )
```

7.328.3.11 clear_probe_entry_ids()

```
void briar::VerifyDatabaseRequest::clear_probe_entry_ids ( ) [inline]
```

7.328.3.12 clear_reference_database()

```
void briar::VerifyDatabaseRequest::clear_reference_database ( )
```

7.328.3.13 clear_verify_database()

```
void briar::VerifyDatabaseRequest::clear_verify_database ( )
```

7.328.3.14 clear_verify_options()

```
void briar::VerifyDatabaseRequest::clear_verify_options ( )
```

7.328.3.15 CopyFrom()

```
void briar::VerifyDatabaseRequest::CopyFrom ( const VerifyDatabaseRequest & from )
```

7.328.3.16 default_instance()

```
static const VerifyDatabaseRequest& briar::VerifyDatabaseRequest::default_instance ( ) [inline],  
[static]
```

7.328.3.17 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyDatabaseRequest::descriptor ( )  
[inline], [static]
```

7.328.3.18 durations()

```
const ::briar::BriarDurations & briar::VerifyDatabaseRequest::durations ( ) const [inline]
```

7.328.3.19 GetCachedSize()

```
int briar::VerifyDatabaseRequest::GetCachedSize ( ) const [inline], [final]
```

7.328.3.20 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyDatabaseRequest::GetClassData  
( ) const [final]
```

7.328.3.21 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyDatabaseRequest::GetDescriptor  
( ) [inline], [static]
```

7.328.3.22 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyDatabaseRequest::GetMetadata ( ) const [final]
```

7.328.3.23 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyDatabaseRequest::GetReflection()
() [inline], [static]
```

7.328.3.24 has_durations()

```
bool briar::VerifyDatabaseRequest::has_durations () const [inline]
```

7.328.3.25 has_reference_database()

```
bool briar::VerifyDatabaseRequest::has_reference_database () const [inline]
```

7.328.3.26 has_verify_database()

```
bool briar::VerifyDatabaseRequest::has_verify_database () const [inline]
```

7.328.3.27 has_verify_options()

```
bool briar::VerifyDatabaseRequest::has_verify_options () const [inline]
```

7.328.3.28 internal_default_instance()

```
static const VerifyDatabaseRequest* briar::VerifyDatabaseRequest::internal_default_instance (
) [inline], [static]
```

7.328.3.29 IsInitialized()

```
bool briar::VerifyDatabaseRequest::IsInitialized () const [final]
```

7.328.3.30 MergeFrom()

```
void briar::VerifyDatabaseRequest::MergeFrom (
    const VerifyDatabaseRequest & from )
```

7.328.3.31 mutable_durations()

```
briar::BriarDurations * briar::VerifyDatabaseRequest::mutable_durations ( ) [inline]
```

7.328.3.32 mutable_probe_entry_ids() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > * briar::VerifyDatabaseRequest::mutable<-
_probe_entry_ids ( ) [inline]
```

7.328.3.33 mutable_probe_entry_ids() [2/2]

```
std::string * briar::VerifyDatabaseRequest::mutable_probe_entry_ids (
    int index ) [inline]
```

7.328.3.34 mutable_reference_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::mutable_reference_database ( ) [inline]
```

7.328.3.35 mutable_verify_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::mutable_verify_database ( ) [inline]
```

7.328.3.36 mutable_verify_options()

```
briar::VerifyOptions * briar::VerifyDatabaseRequest::mutable_verify_options ( ) [inline]
```

7.328.3.37 New()

```
VerifyDatabaseRequest* briar::VerifyDatabaseRequest::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.328.3.38 operator=() [1/2]

```
VerifyDatabaseRequest& briar::VerifyDatabaseRequest::operator= (
    const VerifyDatabaseRequest & from ) [inline]
```

7.328.3.39 operator=() [2/2]

```
VerifyDatabaseRequest& briar::VerifyDatabaseRequest::operator= (
    VerifyDatabaseRequest && from ) [inline], [noexcept]
```

7.328.3.40 probe_entry_ids() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< std::string > & briar::VerifyDatabaseRequest::probe_entry_ids ( ) const [inline]
```

7.328.3.41 probe_entry_ids() [2/2]

```
const std::string & briar::VerifyDatabaseRequest::probe_entry_ids (
    int index ) const [inline]
```

7.328.3.42 probe_entry_ids_size()

```
int briar::VerifyDatabaseRequest::probe_entry_ids_size ( ) const [inline]
```

7.328.3.43 reference_database()

```
const ::briar::BriarDatabase & briar::VerifyDatabaseRequest::reference_database ( ) const [inline]
```

7.328.3.44 release_durations()

```
briar::BriarDurations * briar::VerifyDatabaseRequest::release_durations ( ) [inline]
```

7.328.3.45 release_reference_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::release_reference_database ( ) [inline]
```

7.328.3.46 release_verify_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::release_verify_database ( ) [inline]
```

7.328.3.47 release_verify_options()

```
briar::VerifyOptions * briar::VerifyDatabaseRequest::release_verify_options ( ) [inline]
```

7.328.3.48 set_allocated_durations()

```
void briar::VerifyDatabaseRequest::set_allocated_durations (  
    ::briar::BriarDurations * durations ) [inline]
```

7.328.3.49 set_allocated_reference_database()

```
void briar::VerifyDatabaseRequest::set_allocated_reference_database (   
    ::briar::BriarDatabase * reference_database ) [inline]
```

7.328.3.50 set_allocated_verify_database()

```
void briar::VerifyDatabaseRequest::set_allocated_verify_database (   
    ::briar::BriarDatabase * verify_database ) [inline]
```

7.328.3.51 set_allocated_verify_options()

```
void briar::VerifyDatabaseRequest::set_allocated_verify_options (
    ::briar::VerifyOptions * verify_options ) [inline]
```

7.328.3.52 set_probe_entry_ids() [1/4]

```
void briar::VerifyDatabaseRequest::set_probe_entry_ids (
    int index,
    const char * value ) [inline]
```

7.328.3.53 set_probe_entry_ids() [2/4]

```
void briar::VerifyDatabaseRequest::set_probe_entry_ids (
    int index,
    const char * value,
    size_t size ) [inline]
```

7.328.3.54 set_probe_entry_ids() [3/4]

```
void briar::VerifyDatabaseRequest::set_probe_entry_ids (
    int index,
    const std::string & value ) [inline]
```

7.328.3.55 set_probe_entry_ids() [4/4]

```
void briar::VerifyDatabaseRequest::set_probe_entry_ids (
    int index,
    std::string && value ) [inline]
```

7.328.3.56 Swap()

```
void briar::VerifyDatabaseRequest::Swap (
    VerifyDatabaseRequest * other ) [inline]
```

7.328.3.57 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::VerifyDatabaseRequest::unsafe_arena_release_durations ( ) [inline]
```

7.328.3.58 unsafe_arena_release_reference_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::unsafe_arena_release_reference_database ( ) [inline]
```

7.328.3.59 unsafe_arena_release_verify_database()

```
briar::BriarDatabase * briar::VerifyDatabaseRequest::unsafe_arena_release_verify_database ( ) [inline]
```

7.328.3.60 unsafe_arena_release_verify_options()

```
briar::VerifyOptions * briar::VerifyDatabaseRequest::unsafe_arena_release_verify_options ( ) [inline]
```

7.328.3.61 unsafe_arena_set_allocated_durations()

```
void briar::VerifyDatabaseRequest::unsafe_arena_set_allocated_durations ( ::briar::BriarDurations * durations ) [inline]
```

7.328.3.62 unsafe_arena_set_allocated_reference_database()

```
void briar::VerifyDatabaseRequest::unsafe_arena_set_allocated_reference_database ( ::briar::BriarDatabase * reference_database ) [inline]
```

7.328.3.63 unsafe_arena_set_allocated_verify_database()

```
void briar::VerifyDatabaseRequest::unsafe_arena_set_allocated_verify_database ( ::briar::BriarDatabase * verify_database ) [inline]
```

7.328.3.64 unsafe_arena_set_allocated_verify_options()

```
void briar::VerifyDatabaseRequest::unsafe_arena_set_allocated_verify_options (
    ::briar::VerifyOptions * verify_options ) [inline]
```

7.328.3.65 UnsafeArenaSwap()

```
void briar::VerifyDatabaseRequest::UnsafeArenaSwap (
    VerifyDatabaseRequest * other ) [inline]
```

7.328.3.66 verify_database()

```
const ::briar::BriarDatabase & briar::VerifyDatabaseRequest::verify_database ( ) const [inline]
```

7.328.3.67 verify_options()

```
const ::briar::VerifyOptions & briar::VerifyDatabaseRequest::verify_options ( ) const [inline]
```

7.328.4 Friends And Related Function Documentation

7.328.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.328.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.328.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto [friend]
```

7.328.4.4 swap

```
void swap (
    VerifyDatabaseRequest & a,
    VerifyDatabaseRequest & b ) [friend]
```

7.328.5 Member Data Documentation

7.328.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyDatabaseRequest::_class_data_
[static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyDatabaseRequest::MergeImpl
}
```

7.328.5.2 kIndexInFileMessages

```
constexpr int briar::VerifyDatabaseRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

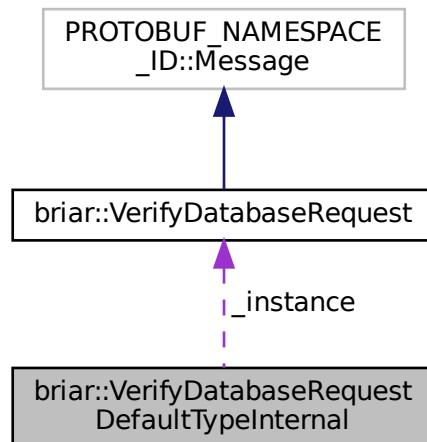
```
= 43
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.329 briar::VerifyDatabaseRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyDatabaseRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyDatabaseRequestDefaultTypeInternal ()
- [~VerifyDatabaseRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [VerifyDatabaseRequest _instance](#)
};

7.329.1 Constructor & Destructor Documentation

7.329.1.1 VerifyDatabaseRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyDatabaseRequestDefaultTypeInternal::VerifyDatabaseRequestDefaultTypeInternal ( ) [inline]
```

7.329.1.2 ~VerifyDatabaseRequestDefaultTypeInternal()

```
briar::VerifyDatabaseRequestDefaultTypeInternal::~VerifyDatabaseRequestDefaultTypeInternal ( )  
[inline]
```

7.329.2 Member Data Documentation

7.329.2.1

```
union { ... }
```

7.329.2.2 _instance

`VerifyDatabaseRequest briar::VerifyDatabaseRequestDefaultTypeInternal::_instance`

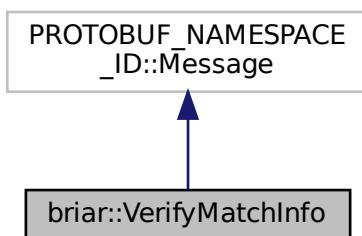
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

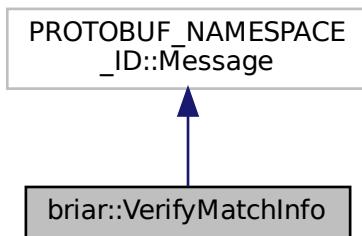
7.330 briar::VerifyMatchInfo Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::VerifyMatchInfo:



Collaboration diagram for briar::VerifyMatchInfo:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kSubjectIdVerifyFieldNumber](#) = 4 , [kSubjectIdReferenceFieldNumber](#) = 5 , [kEntryIdReferenceFieldNumber](#) = 6 , [kEntryIdVerificationFieldNumber](#) = 7 ,
 [kMediaIdFieldNumber](#) = 8 , [kSubjectNameFieldNumber](#) = 9 , [kFaceFieldNumber](#) = 10 , [kBodyFieldNumber](#) = 11 ,
 [kGateFieldNumber](#) = 12 , [kScoreFieldNumber](#) = 1 , [kTheoreticalMinFieldNumber](#) = 2 , [kTheoreticalMaxFieldNumber](#) = 3 ,
 [kUsesIntegerGalleryIdFieldNumber](#) = 13 , [kIntegerSubjectIdGalleryFieldNumber](#) = 14 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- const ::briar::BriarMedia & [body](#) () const
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_body](#) ()
- void [clear_entry_id_reference](#) ()
- void [clear_entry_id_verification](#) ()
- void [clear_face](#) ()
- void [clear_gate](#) ()
- void [clear_integer_subject_id_gallery](#) ()
- void [clear_media_id](#) ()
- void [clear_score](#) ()
- void [clear_subject_id_reference](#) ()
- void [clear_subject_id_verify](#) ()
- void [clear_subject_name](#) ()

- void `clear_theoretical_max()`
- void `clear_theoretical_min()`
- void `clear_uses_integer_gallery_id()`
- void `CopyFrom(const VerifyMatchInfo &from)`
- const std::string & `entry_id_reference() const`
- const std::string & `entry_id_verification() const`
- const ::briar::BriarMedia & `face() const`
- const ::briar::BriarMedia & `gate() const`
- int `GetCachedSize() const final`
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData() const final`
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata() const final`
- bool `has_body() const`
- bool `has_face() const`
- bool `has_gate() const`
- int32_t `integer_subject_id_gallery() const`
- bool `IsInitialized() const final`
- const std::string & `media_id() const`
- void `MergeFrom(const VerifyMatchInfo &from)`
- ::briar::BriarMedia * `mutable_body()`
- std::string * `mutable_entry_id_reference()`
- std::string * `mutable_entry_id_verification()`
- ::briar::BriarMedia * `mutable_face()`
- ::briar::BriarMedia * `mutable_gate()`
- std::string * `mutable_media_id()`
- std::string * `mutable_subject_id_reference()`
- std::string * `mutable_subject_id_verify()`
- std::string * `mutable_subject_name()`
- `VerifyMatchInfo * New(::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `VerifyMatchInfo & operator=(const VerifyMatchInfo &from)`
- `VerifyMatchInfo & operator=(VerifyMatchInfo &&from) noexcept`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_body()`
- PROTOBUF_NODISCARD std::string * `release_entry_id_reference()`
- PROTOBUF_NODISCARD std::string * `release_entry_id_verification()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_face()`
- PROTOBUF_NODISCARD ::briar::BriarMedia * `release_gate()`
- PROTOBUF_NODISCARD std::string * `release_media_id()`
- PROTOBUF_NODISCARD std::string * `release_subject_id_reference()`
- PROTOBUF_NODISCARD std::string * `release_subject_id_verify()`
- PROTOBUF_NODISCARD std::string * `release_subject_name()`
- float `score() const`
- void `set_allocated_body(::briar::BriarMedia *body)`
- void `set_allocated_entry_id_reference(std::string *entry_id_reference)`
- void `set_allocated_entry_id_verification(std::string *entry_id_verification)`
- void `set_allocated_face(::briar::BriarMedia *face)`
- void `set_allocated_gate(::briar::BriarMedia *gate)`
- void `set_allocated_media_id(std::string *media_id)`
- void `set_allocated_subject_id_reference(std::string *subject_id_reference)`
- void `set_allocated_subject_id_verify(std::string *subject_id_verify)`
- void `set_allocated_subject_name(std::string *subject_name)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_id_reference(ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void `set_entry_id_reference(ArgT0 &&arg0, ArgT... args)`
- template<typename ArgT0 = const std::string&, typename... ArgT>
void `set_entry_id_verification(ArgT0 &&arg0, ArgT... args)`

- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_entry_id_verification](#) (ArgT0 &&arg0, ArgT... args)
- void [set_integer_subject_id_gallery](#) (int32_t value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_media_id](#) (ArgT0 &&arg0, ArgT... args)
- void [set_score](#) (float value)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_id_reference](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_id_reference](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_id_verify](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_id_verify](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 = const std::string&, typename... ArgT>
void [set_subject_name](#) (ArgT0 &&arg0, ArgT... args)
- template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void [set_subject_name](#) (ArgT0 &&arg0, ArgT... args)
- void [set_theoretical_max](#) (float value)
- void [set_theoretical_min](#) (float value)
- void [set_uses_integer_gallery_id](#) (bool value)
- const std::string & [subject_id_reference](#) () const
- const std::string & [subject_id_verify](#) () const
- const std::string & [subject_name](#) () const
- void [Swap](#) (VerifyMatchInfo *other)
- float [theoretical_max](#) () const
- float [theoretical_min](#) () const
- ::briar::BriarMedia * [unsafe_arena_release_body](#) ()
- ::briar::BriarMedia * [unsafe_arena_release_face](#) ()
- ::briar::BriarMedia * [unsafe_arena_release_gate](#) ()
- void [unsafe_arena_set_allocated_body](#) (::briar::BriarMedia *body)
- void [unsafe_arena_set_allocated_face](#) (::briar::BriarMedia *face)
- void [unsafe_arena_set_allocated_gate](#) (::briar::BriarMedia *gate)
- void [UnsafeArenaSwap](#) (VerifyMatchInfo *other)
- bool [uses_integer_gallery_id](#) () const
- [VerifyMatchInfo](#) ()
- PROTOBUF_CONSTEXPR VerifyMatchInfo (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [VerifyMatchInfo](#) (const [VerifyMatchInfo](#) &from)
- [VerifyMatchInfo](#) ([VerifyMatchInfo](#) &&from) noexcept
- [~VerifyMatchInfo](#) () override

Static Public Member Functions

- static const [VerifyMatchInfo](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [VerifyMatchInfo](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyMatchInfo](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) (VerifyMatchInfo &a, VerifyMatchInfo &b)

7.330.1 Member Enumeration Documentation

7.330.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kSubjectIdVerifyFieldNumber	
kSubjectIdReferenceFieldNumber	
kEntryIdReferenceFieldNumber	
kEntryIdVerificationFieldNumber	
kMediaIdFieldNumber	
kSubjectNameFieldNumber	
kFaceFieldNumber	
kBodyFieldNumber	
kGateFieldNumber	
kScoreFieldNumber	
kTheoreticalMinFieldNumber	
kTheoreticalMaxFieldNumber	
kUsesIntegerGalleryIdFieldNumber	
kIntegerSubjectIdGalleryFieldNumber	

7.330.2 Constructor & Destructor Documentation

7.330.2.1 VerifyMatchInfo() [1/5]

```
briar::VerifyMatchInfo::VerifyMatchInfo ( ) [inline]
```

7.330.2.2 ~VerifyMatchInfo()

```
briar::VerifyMatchInfo::~VerifyMatchInfo ( ) [override]
```

7.330.2.3 VerifyMatchInfo() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyMatchInfo::VerifyMatchInfo (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.330.2.4 VerifyMatchInfo() [3/5]

```
briar::VerifyMatchInfo::VerifyMatchInfo (
    const VerifyMatchInfo & from )
```

7.330.2.5 VerifyMatchInfo() [4/5]

```
briar::VerifyMatchInfo::VerifyMatchInfo (
    VerifyMatchInfo && from ) [inline], [noexcept]
```

7.330.2.6 VerifyMatchInfo() [5/5]

```
briar::VerifyMatchInfo::VerifyMatchInfo (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.330.3 Member Function Documentation

7.330.3.1 _InternalParse()

```
const char * briar::VerifyMatchInfo::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.330.3.2 _InternalSerialize()

```
uint8_t * briar::VerifyMatchInfo::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.330.3.3 **body()**

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::body () const [inline]
```

7.330.3.4 **ByteSizeLong()**

```
size_t briar::VerifyMatchInfo::ByteSizeLong () const [final]
```

7.330.3.5 **Clear()**

```
void briar::VerifyMatchInfo::Clear () [final]
```

7.330.3.6 **clear_body()**

```
void briar::VerifyMatchInfo::clear_body () [inline]
```

7.330.3.7 **clear_entry_id_reference()**

```
void briar::VerifyMatchInfo::clear_entry_id_reference () [inline]
```

7.330.3.8 **clear_entry_id_verification()**

```
void briar::VerifyMatchInfo::clear_entry_id_verification () [inline]
```

7.330.3.9 clear_face()

```
void briar::VerifyMatchInfo::clear_face () [inline]
```

7.330.3.10 clear_gate()

```
void briar::VerifyMatchInfo::clear_gate () [inline]
```

7.330.3.11 clear_integer_subject_id_gallery()

```
void briar::VerifyMatchInfo::clear_integer_subject_id_gallery () [inline]
```

7.330.3.12 clear_media_id()

```
void briar::VerifyMatchInfo::clear_media_id () [inline]
```

7.330.3.13 clear_score()

```
void briar::VerifyMatchInfo::clear_score () [inline]
```

7.330.3.14 clear_subject_id_reference()

```
void briar::VerifyMatchInfo::clear_subject_id_reference () [inline]
```

7.330.3.15 clear_subject_id_verify()

```
void briar::VerifyMatchInfo::clear_subject_id_verify () [inline]
```

7.330.3.16 clear_subject_name()

```
void briar::VerifyMatchInfo::clear_subject_name () [inline]
```

7.330.3.17 clear_theoretical_max()

```
void briar::VerifyMatchInfo::clear_theoretical_max ( ) [inline]
```

7.330.3.18 clear_theoretical_min()

```
void briar::VerifyMatchInfo::clear_theoretical_min ( ) [inline]
```

7.330.3.19 clear_uses_integer_gallery_id()

```
void briar::VerifyMatchInfo::clear_uses_integer_gallery_id ( ) [inline]
```

7.330.3.20 CopyFrom()

```
void briar::VerifyMatchInfo::CopyFrom (
    const VerifyMatchInfo & from )
```

7.330.3.21 default_instance()

```
static const VerifyMatchInfo& briar::VerifyMatchInfo::default_instance ( ) [inline], [static]
```

7.330.3.22 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyMatchInfo::descriptor ( ) [inline], [static]
```

7.330.3.23 entry_id_reference()

```
const std::string & briar::VerifyMatchInfo::entry_id_reference ( ) const [inline]
```

7.330.3.24 entry_id_verification()

```
const std::string & briar::VerifyMatchInfo::entry_id_verification ( ) const [inline]
```

7.330.3.25 face()

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::face ( ) const [inline]
```

7.330.3.26 gate()

```
const ::briar::BriarMedia & briar::VerifyMatchInfo::gate ( ) const [inline]
```

7.330.3.27 GetCachedSize()

```
int briar::VerifyMatchInfo::GetCachedSize ( ) const [inline], [final]
```

7.330.3.28 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyMatchInfo::GetClassData ( ) const [final]
```

7.330.3.29 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyMatchInfo::GetDescriptor ( ) [inline], [static]
```

7.330.3.30 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyMatchInfo::GetMetadata ( ) const [final]
```

7.330.3.31 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyMatchInfo::GetReflection ( )  
[inline], [static]
```

7.330.3.32 has_body()

```
bool briar::VerifyMatchInfo::has_body ( ) const [inline]
```

7.330.3.33 has_face()

```
bool briar::VerifyMatchInfo::has_face ( ) const [inline]
```

7.330.3.34 has_gate()

```
bool briar::VerifyMatchInfo::has_gate ( ) const [inline]
```

7.330.3.35 integer_subject_id_gallery()

```
int32_t briar::VerifyMatchInfo::integer_subject_id_gallery ( ) const [inline]
```

7.330.3.36 internal_default_instance()

```
static const VerifyMatchInfo* briar::VerifyMatchInfo::internal_default_instance ( ) [inline],  
[static]
```

7.330.3.37 IsInitialized()

```
bool briar::VerifyMatchInfo::IsInitialized ( ) const [final]
```

7.330.3.38 media_id()

```
const std::string & briar::VerifyMatchInfo::media_id ( ) const [inline]
```

7.330.3.39 MergeFrom()

```
void briar::VerifyMatchInfo::MergeFrom (
    const VerifyMatchInfo & from )
```

7.330.3.40 mutable_body()

```
briar::BriarMedia * briar::VerifyMatchInfo::mutable_body ( ) [inline]
```

7.330.3.41 mutable_entry_id_reference()

```
std::string * briar::VerifyMatchInfo::mutable_entry_id_reference ( ) [inline]
```

7.330.3.42 mutable_entry_id_verification()

```
std::string * briar::VerifyMatchInfo::mutable_entry_id_verification ( ) [inline]
```

7.330.3.43 mutable_face()

```
briar::BriarMedia * briar::VerifyMatchInfo::mutable_face ( ) [inline]
```

7.330.3.44 mutable_gate()

```
briar::BriarMedia * briar::VerifyMatchInfo::mutable_gate ( ) [inline]
```

7.330.3.45 mutable_media_id()

```
std::string * briar::VerifyMatchInfo::mutable_media_id ( ) [inline]
```

7.330.3.46 mutable_subject_id_reference()

```
std::string * briar::VerifyMatchInfo::mutable_subject_id_reference ( ) [inline]
```

7.330.3.47 mutable_subject_id_verify()

```
std::string * briar::VerifyMatchInfo::mutable_subject_id_verify ( ) [inline]
```

7.330.3.48 mutable_subject_name()

```
std::string * briar::VerifyMatchInfo::mutable_subject_name ( ) [inline]
```

7.330.3.49 New()

```
VerifyMatchInfo* briar::VerifyMatchInfo::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.330.3.50 operator=() [1/2]

```
VerifyMatchInfo& briar::VerifyMatchInfo::operator= ( const VerifyMatchInfo & from ) [inline]
```

7.330.3.51 operator=() [2/2]

```
VerifyMatchInfo& briar::VerifyMatchInfo::operator= ( VerifyMatchInfo && from ) [inline], [noexcept]
```

7.330.3.52 release_body()

```
briar::BriarMedia * briar::VerifyMatchInfo::release_body () [inline]
```

7.330.3.53 release_entry_id_reference()

```
std::string * briar::VerifyMatchInfo::release_entry_id_reference () [inline]
```

7.330.3.54 release_entry_id_verification()

```
std::string * briar::VerifyMatchInfo::release_entry_id_verification () [inline]
```

7.330.3.55 release_face()

```
briar::BriarMedia * briar::VerifyMatchInfo::release_face () [inline]
```

7.330.3.56 release_gate()

```
briar::BriarMedia * briar::VerifyMatchInfo::release_gate () [inline]
```

7.330.3.57 release_media_id()

```
std::string * briar::VerifyMatchInfo::release_media_id () [inline]
```

7.330.3.58 release_subject_id_reference()

```
std::string * briar::VerifyMatchInfo::release_subject_id_reference () [inline]
```

7.330.3.59 release_subject_id_verify()

```
std::string * briar::VerifyMatchInfo::release_subject_id_verify () [inline]
```

7.330.3.60 release_subject_name()

```
std::string * briar::VerifyMatchInfo::release_subject_name ( ) [inline]
```

7.330.3.61 score()

```
float briar::VerifyMatchInfo::score ( ) const [inline]
```

7.330.3.62 set_allocated_body()

```
void briar::VerifyMatchInfo::set_allocated_body (  
    ::briar::BriarMedia * body ) [inline]
```

7.330.3.63 set_allocated_entry_id_reference()

```
void briar::VerifyMatchInfo::set_allocated_entry_id_reference (   
    std::string * entry_id_reference ) [inline]
```

7.330.3.64 set_allocated_entry_id_verification()

```
void briar::VerifyMatchInfo::set_allocated_entry_id_verification (   
    std::string * entry_id_verification ) [inline]
```

7.330.3.65 set_allocated_face()

```
void briar::VerifyMatchInfo::set_allocated_face (   
    ::briar::BriarMedia * face ) [inline]
```

7.330.3.66 set_allocated_gate()

```
void briar::VerifyMatchInfo::set_allocated_gate (   
    ::briar::BriarMedia * gate ) [inline]
```

7.330.3.67 set_allocated_media_id()

```
void briar::VerifyMatchInfo::set_allocated_media_id (
    std::string * media_id ) [inline]
```

7.330.3.68 set_allocated_subject_id_reference()

```
void briar::VerifyMatchInfo::set_allocated_subject_id_reference (
    std::string * subject_id_reference ) [inline]
```

7.330.3.69 set_allocated_subject_id_verify()

```
void briar::VerifyMatchInfo::set_allocated_subject_id_verify (
    std::string * subject_id_verify ) [inline]
```

7.330.3.70 set_allocated_subject_name()

```
void briar::VerifyMatchInfo::set_allocated_subject_name (
    std::string * subject_name ) [inline]
```

7.330.3.71 set_entry_id_reference() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_entry_id_reference (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.72 set_entry_id_reference() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_entry_id_reference (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.73 set_entry_id_verification() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_entry_id_verification (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.74 set_entry_id_verification() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_entry_id_verification (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.75 set_integer_subject_id_gallery()

```
void briar::VerifyMatchInfo::set_integer_subject_id_gallery (
    int32_t value ) [inline]
```

7.330.3.76 set_media_id() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.77 set_media_id() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_media_id (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.78 set_score()

```
void briar::VerifyMatchInfo::set_score (
    float value ) [inline]
```

7.330.3.79 set_subject_id_reference() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_subject_id_reference (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.80 set_subject_id_reference() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_subject_id_reference (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.81 set_subject_id_verify() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_subject_id_verify (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.82 set_subject_id_verify() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_subject_id_verify (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.83 set_subject_name() [1/2]

```
template<typename ArgT0 = const std::string&, typename... ArgT>
void briar::VerifyMatchInfo::set_subject_name (
    ArgT0 && arg0,
    ArgT... args )
```

7.330.3.84 set_subject_name() [2/2]

```
template<typename ArgT0 , typename... ArgT>
PROTOBUF_ALWAYS_INLINE void briar::VerifyMatchInfo::set_subject_name (
    ArgT0 && arg0,
    ArgT... args ) [inline]
```

7.330.3.85 set_theoretical_max()

```
void briar::VerifyMatchInfo::set_theoretical_max (
    float value ) [inline]
```

7.330.3.86 set_theoretical_min()

```
void briar::VerifyMatchInfo::set_theoretical_min (
    float value ) [inline]
```

7.330.3.87 set_uses_integer_gallery_id()

```
void briar::VerifyMatchInfo::set_uses_integer_gallery_id (
    bool value ) [inline]
```

7.330.3.88 subject_id_reference()

```
const std::string & briar::VerifyMatchInfo::subject_id_reference ( ) const [inline]
```

7.330.3.89 subject_id_verify()

```
const std::string & briar::VerifyMatchInfo::subject_id_verify ( ) const [inline]
```

7.330.3.90 subject_name()

```
const std::string & briar::VerifyMatchInfo::subject_name ( ) const [inline]
```

7.330.3.91 Swap()

```
void briar::VerifyMatchInfo::Swap (
    VerifyMatchInfo * other ) [inline]
```

7.330.3.92 theoretical_max()

```
float briar::VerifyMatchInfo::theoretical_max ( ) const [inline]
```

7.330.3.93 theoretical_min()

```
float briar::VerifyMatchInfo::theoretical_min ( ) const [inline]
```

7.330.3.94 unsafe_arena_release_body()

```
briar::BriarMedia * briar::VerifyMatchInfo::unsafe_arena_release_body ( ) [inline]
```

7.330.3.95 unsafe_arena_release_face()

```
briar::BriarMedia * briar::VerifyMatchInfo::unsafe_arena_release_face ( ) [inline]
```

7.330.3.96 unsafe_arena_release_gate()

```
briar::BriarMedia * briar::VerifyMatchInfo::unsafe_arena_release_gate ( ) [inline]
```

7.330.3.97 unsafe_arena_set_allocated_body()

```
void briar::VerifyMatchInfo::unsafe_arena_set_allocated_body ( ::briar::BriarMedia * body ) [inline]
```

7.330.3.98 unsafe_arena_set_allocated_face()

```
void briar::VerifyMatchInfo::unsafe_arena_set_allocated_face ( ::briar::BriarMedia * face ) [inline]
```

7.330.3.99 unsafe_arena_set_allocated_gate()

```
void briar::VerifyMatchInfo::unsafe_arena_set_allocated_gate (
    ::briar::BriarMedia * gate ) [inline]
```

7.330.3.100 UnsafeArenaSwap()

```
void briar::VerifyMatchInfo::UnsafeArenaSwap (
    VerifyMatchInfo * other ) [inline]
```

7.330.3.101 uses_integer_gallery_id()

```
bool briar::VerifyMatchInfo::uses_integer_gallery_id ( ) const [inline]
```

7.330.4 Friends And Related Function Documentation

7.330.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.330.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.330.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.330.4.4 swap

```
void swap (
    VerifyMatchInfo & a,
    VerifyMatchInfo & b ) [friend]
```

7.330.5 Member Data Documentation

7.330.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyMatchInfo::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyMatchInfo::MergeImpl
}
```

7.330.5.2 `kIndexInFileMessages`

```
constexpr int briar::VerifyMatchInfo::kIndexInFileMessages [static], [constexpr]
```

Initial value:

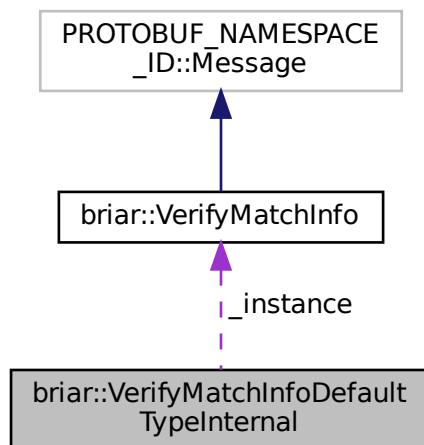
```
=
34
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.331 briar::VerifyMatchInfoDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyMatchInfoDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyMatchInfoDefaultTypeInternal ()
- ~VerifyMatchInfoDefaultTypeInternal ()

Public Attributes

- union {
 VerifyMatchInfo _instance
};

7.331.1 Constructor & Destructor Documentation

7.331.1.1 VerifyMatchInfoDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyMatchInfoDefaultTypeInternal::VerifyMatchInfoDefaultTypeInternal ( ) [inline]
```

7.331.1.2 ~VerifyMatchInfoDefaultTypeInternal()

```
briar::VerifyMatchInfoDefaultTypeInternal::~VerifyMatchInfoDefaultTypeInternal ( ) [inline]
```

7.331.2 Member Data Documentation

7.331.2.1

```
union { ... }
```

7.331.2.2 _instance

```
VerifyMatchInfo briar::VerifyMatchInfoDefaultTypeInternal::_instance
```

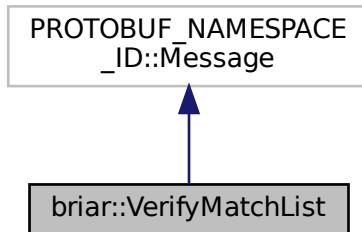
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

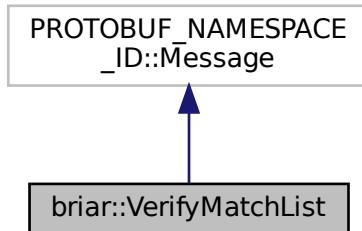
7.332 briar::VerifyMatchList Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::VerifyMatchList:



Collaboration diagram for briar::VerifyMatchList:



Classes

- class [_Internal](#)

Public Types

- enum : int { [kMatchListFieldNumber](#) = 1 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::VerifyMatchInfo * [add_match_list](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_match_list](#) ()
- void [CopyFrom](#) (const [VerifyMatchList](#) &from)
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [IsInitialized](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::VerifyMatchInfo > & [match_list](#) () const
- const ::briar::VerifyMatchInfo & [mutable_match_list](#) (int index) const
- int [match_list_size](#) () const
- void [MergeFrom](#) (const [VerifyMatchList](#) &from)
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::VerifyMatchInfo > * [mutable_match_list](#) ()
- ::briar::VerifyMatchInfo * [mutable_match_list](#) (int index)
- [VerifyMatchList](#) * [New](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- [VerifyMatchList](#) & [operator=](#) (const [VerifyMatchList](#) &from)
- [VerifyMatchList](#) & [operator=](#) ([VerifyMatchList](#) &&from) noexcept
- void [Swap](#) ([VerifyMatchList](#) *other)
- void [UnsafeArenaSwap](#) ([VerifyMatchList](#) *other)
- [VerifyMatchList](#) ()
- PROTOBUF_CONSTEXPR [VerifyMatchList](#) (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [VerifyMatchList](#) (const [VerifyMatchList](#) &from)
- [VerifyMatchList](#) ([VerifyMatchList](#) &&from) noexcept
- [~VerifyMatchList](#) () override

Static Public Member Functions

- static const [VerifyMatchList](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [VerifyMatchList](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyMatchList](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
 class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5gRPC_2fbriar_2eproto
- void swap (VerifyMatchList &a, VerifyMatchList &b)

7.332.1 Member Enumeration Documentation

7.332.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kMatchListFieldNumber	<input type="button" value=""/>
-----------------------	---------------------------------

7.332.2 Constructor & Destructor Documentation

7.332.2.1 VerifyMatchList() [1/5]

```
briar::VerifyMatchList::VerifyMatchList ( ) [inline]
```

7.332.2.2 ~VerifyMatchList()

```
briar::VerifyMatchList::~VerifyMatchList ( ) [override]
```

7.332.2.3 VerifyMatchList() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyMatchList::VerifyMatchList ( ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.332.2.4 VerifyMatchList() [3/5]

```
briar::VerifyMatchList::VerifyMatchList (
    const VerifyMatchList & from )
```

7.332.2.5 VerifyMatchList() [4/5]

```
briar::VerifyMatchList::VerifyMatchList (
    VerifyMatchList && from ) [inline], [noexcept]
```

7.332.2.6 VerifyMatchList() [5/5]

```
briar::VerifyMatchList::VerifyMatchList (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.332.3 Member Function Documentation

7.332.3.1 _InternalParse()

```
const char * briar::VerifyMatchList::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.332.3.2 _InternalSerialize()

```
uint8_t * briar::VerifyMatchList::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.332.3.3 add_match_list()

```
briar::VerifyMatchInfo * briar::VerifyMatchList::add_match_list ( ) [inline]
```

7.332.3.4 ByteSizeLong()

```
size_t briar::VerifyMatchList::ByteSizeLong ( ) const [final]
```

7.332.3.5 Clear()

```
void briar::VerifyMatchList::Clear ( ) [final]
```

7.332.3.6 clear_match_list()

```
void briar::VerifyMatchList::clear_match_list ( ) [inline]
```

7.332.3.7 CopyFrom()

```
void briar::VerifyMatchList::CopyFrom (
    const VerifyMatchList & from )
```

7.332.3.8 default_instance()

```
static const VerifyMatchList& briar::VerifyMatchList::default_instance ( ) [inline], [static]
```

7.332.3.9 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyMatchList::descriptor ( ) [inline], [static]
```

7.332.3.10 GetCachedSize()

```
int briar::VerifyMatchList::GetCachedSize ( ) const [inline], [final]
```

7.332.3.11 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyMatchList::GetClassData ( )
const [final]
```

7.332.3.12 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyMatchList::GetDescriptor ( )
[inline], [static]
```

7.332.3.13 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyMatchList::GetMetadata ( ) const [final]
```

7.332.3.14 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyMatchList::GetReflection ( )
[inline], [static]
```

7.332.3.15 internal_default_instance()

```
static const VerifyMatchList* briar::VerifyMatchList::internal_default_instance ( ) [inline],
[static]
```

7.332.3.16 IsInitialized()

```
bool briar::VerifyMatchList::IsInitialized ( ) const [final]
```

7.332.3.17 match_list() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::VerifyMatchInfo > & briar::VerifyMatchList::match_list ( ) const [inline]
```

7.332.3.18 match_list() [2/2]

```
const ::briar::VerifyMatchInfo & briar::VerifyMatchList::match_list (
    int index ) const [inline]
```

7.332.3.19 match_list_size()

```
int briar::VerifyMatchList::match_list_size ( ) const [inline]
```

7.332.3.20 MergeFrom()

```
void briar::VerifyMatchList::MergeFrom (
    const VerifyMatchList & from )
```

7.332.3.21 mutable_match_list() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::VerifyMatchInfo> * briar::VerifyMatchList::mutable_match_list ( ) [inline]
```

7.332.3.22 mutable_match_list() [2/2]

```
briar::VerifyMatchInfo * briar::VerifyMatchList::mutable_match_list (
    int index ) [inline]
```

7.332.3.23 New()

```
VerifyMatchList* briar::VerifyMatchList::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.332.3.24 operator=() [1/2]

```
VerifyMatchList& briar::VerifyMatchList::operator= (
    const VerifyMatchList & from ) [inline]
```

7.332.3.25 operator=() [2/2]

```
VerifyMatchList& briar::VerifyMatchList::operator= (
    VerifyMatchList && from ) [inline], [noexcept]
```

7.332.3.26 Swap()

```
void briar::VerifyMatchList::Swap (
    VerifyMatchList * other ) [inline]
```

7.332.3.27 UnsafeArenaSwap()

```
void briar::VerifyMatchList::UnsafeArenaSwap (
    VerifyMatchList * other ) [inline]
```

7.332.4 Friends And Related Function Documentation

7.332.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.332.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.332.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.332.4.4 swap

```
void swap (
    VerifyMatchList & a,
    VerifyMatchList & b ) [friend]
```

7.332.5 Member Data Documentation

7.332.5.1 `_class_data_`

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyMatchList::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyMatchList::MergeImpl
}
```

7.332.5.2 `kIndexInFileMessages`

```
constexpr int briar::VerifyMatchList::kIndexInFileMessages [static], [constexpr]
```

Initial value:

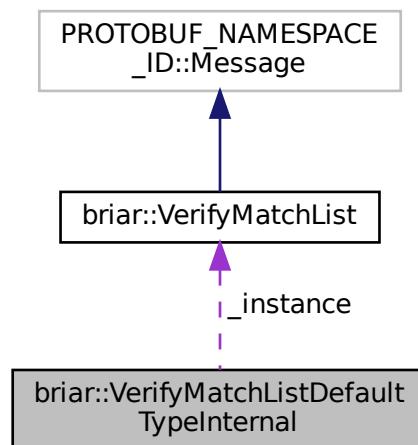
```
= 36
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.333 briar::VerifyMatchListDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyMatchListDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyMatchListDefaultTypeInternal ()
- ~VerifyMatchListDefaultTypeInternal ()

Public Attributes

- union {
 VerifyMatchList _instance
};

7.333.1 Constructor & Destructor Documentation

7.333.1.1 VerifyMatchListDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyMatchListDefaultTypeInternal::VerifyMatchListDefaultTypeInternal ( ) [inline]
```

7.333.1.2 ~VerifyMatchListDefaultTypeInternal()

```
briar::VerifyMatchListDefaultTypeInternal::~VerifyMatchListDefaultTypeInternal ( ) [inline]
```

7.333.2 Member Data Documentation

7.333.2.1

```
union { ... }
```

7.333.2.2 _instance

```
VerifyMatchList briar::VerifyMatchListDefaultTypeInternal::_instance
```

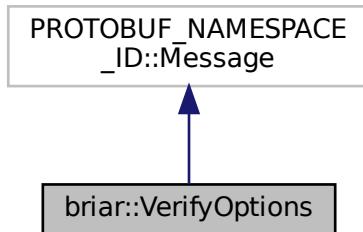
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc

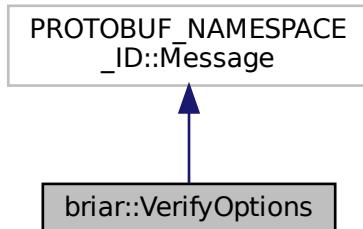
7.334 briar::VerifyOptions Class Reference

```
#include <briar.pb.h>
```

Inheritance diagram for briar::VerifyOptions:



Collaboration diagram for briar::VerifyOptions:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 kDebugFieldNumber = 1 , kUseDetectionsFieldNumber = 8 , kUseTemplatesFieldNumber = 9 ,
 kUseWholeImageFieldNumber = 10 ,
 kReturnMediaFieldNumber = 12 , kFlagFieldNumber = 11 , kModalityFieldNumber = 13 }

Public Member Functions

- const char * `_InternalParse` (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * `_InternalSerialize` (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t `ByteSizeLong` () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void `Clear` () final
- void `clear_debug` ()
- void `clear_flag` ()
- void `clear_modality` ()
- void `clear_return_media` ()
- void `clear_use_detections` ()
- void `clear_use_templates` ()
- void `clear_use_whole_image` ()
- void `CopyFrom` (const `VerifyOptions` &from)
- const ::briar::BoolOption & `debug` () const
- ::briar::VerifyFlags `flag` () const
- int `GetCachedSize` () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * `GetClassData` () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata `GetMetadata` () const final
- bool `has_debug` () const
- bool `has_return_media` () const
- bool `has_use_detections` () const
- bool `has_use_templates` () const
- bool `has_use_whole_image` () const
- bool `IsInitialized` () const final
- void `MergeFrom` (const `VerifyOptions` &from)
- ::briar::BiometricModality `modality` () const
- ::briar::BoolOption * `mutable_debug` ()
- ::briar::BoolOption * `mutable_return_media` ()
- ::briar::BoolOption * `mutable_use_detections` ()
- ::briar::BoolOption * `mutable_use_templates` ()
- ::briar::BoolOption * `mutable_use_whole_image` ()
- `VerifyOptions` * `New` (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- `VerifyOptions` & `operator=` (const `VerifyOptions` &from)
- `VerifyOptions` & `operator=` (`VerifyOptions` &&from) noexcept
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_debug` ()
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_return_media` ()
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_use_detections` ()
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_use_templates` ()
- PROTOBUF_NODISCARD ::briar::BoolOption * `release_use_whole_image` ()
- const ::briar::BoolOption & `return_media` () const
- void `set_allocated_debug` (::briar::BoolOption *debug)
- void `set_allocated_return_media` (::briar::BoolOption *return_media)
- void `set_allocated_use_detections` (::briar::BoolOption *use_detections)
- void `set_allocated_use_templates` (::briar::BoolOption *use_templates)
- void `set_allocated_use_whole_image` (::briar::BoolOption *use_whole_image)
- void `set_flag` (::briar::VerifyFlags value)
- void `set_modality` (::briar::BiometricModality value)
- void `Swap` (`VerifyOptions` *other)
- ::briar::BoolOption * `unsafe_arena_release_debug` ()
- ::briar::BoolOption * `unsafe_arena_release_return_media` ()
- ::briar::BoolOption * `unsafe_arena_release_use_detections` ()
- ::briar::BoolOption * `unsafe_arena_release_use_templates` ()

- ::briar::BoolOption * [unsafe_arena_release_use_whole_image](#) ()
- void [unsafe_arena_set_allocated_debug](#) (::briar::BoolOption *[debug](#))
- void [unsafe_arena_set_allocated_return_media](#) (::briar::BoolOption *[return_media](#))
- void [unsafe_arena_set_allocated_use_detections](#) (::briar::BoolOption *[use_detections](#))
- void [unsafe_arena_set_allocated_use_templates](#) (::briar::BoolOption *[use_templates](#))
- void [unsafe_arena_set_allocated_use_whole_image](#) (::briar::BoolOption *[use_whole_image](#))
- void [UnsafeArenaSwap](#) (VerifyOptions *[other](#))
- const ::briar::BoolOption & [use_detections](#) () const
- const ::briar::BoolOption & [use_templates](#) () const
- const ::briar::BoolOption & [use_whole_image](#) () const
- [VerifyOptions](#) ()
- PROTOBUF_CONSTEXPR VerifyOptions (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- [VerifyOptions](#) (const [VerifyOptions](#) &[from](#))
- [VerifyOptions](#) ([VerifyOptions](#) &&[from](#)) noexcept
- [~VerifyOptions](#) () override

Static Public Member Functions

- static const [VerifyOptions](#) & [default_instance](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [descriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * [GetDescriptor](#) ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * [GetReflection](#) ()
- static const [VerifyOptions](#) * [internal_default_instance](#) ()

Static Public Attributes

- static const ClassData [_class_data](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyOptions](#) (::PROTOBUF_NAMESPACE_ID::Arena *[arena](#), bool [is_message_owned](#)=false)

Friends

- template<typename T >
- class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto
- void [swap](#) ([VerifyOptions](#) &[a](#), [VerifyOptions](#) &[b](#))

7.334.1 Member Enumeration Documentation

7.334.1.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDebugFieldNumber	
kUseDetectionsFieldNumber	
kUseTemplatesFieldNumber	
kUseWholeImageFieldNumber	
kReturnMediaFieldNumber	
kFlagFieldNumber	
kModalityFieldNumber	

7.334.2 Constructor & Destructor Documentation**7.334.2.1 VerifyOptions() [1/5]**

```
briar::VerifyOptions::VerifyOptions ( ) [inline]
```

7.334.2.2 ~VerifyOptions()

```
briar::VerifyOptions::~VerifyOptions ( ) [override]
```

7.334.2.3 VerifyOptions() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyOptions::VerifyOptions (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.334.2.4 VerifyOptions() [3/5]

```
briar::VerifyOptions::VerifyOptions (
    const VerifyOptions & from )
```

7.334.2.5 VerifyOptions() [4/5]

```
briar::VerifyOptions::VerifyOptions (
    VerifyOptions && from ) [inline], [noexcept]
```

7.334.2.6 VerifyOptions() [5/5]

```
briar::VerifyOptions::VerifyOptions (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.334.3 Member Function Documentation

7.334.3.1 _InternalParse()

```
const char * briar::VerifyOptions::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.334.3.2 _InternalSerialize()

```
uint8_t * briar::VerifyOptions::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.334.3.3 ByteSizeLong()

```
size_t briar::VerifyOptions::ByteSizeLong ( ) const [final]
```

7.334.3.4 Clear()

```
void briar::VerifyOptions::Clear ( ) [final]
```

7.334.3.5 clear_debug()

```
void briar::VerifyOptions::clear_debug ( ) [inline]
```

7.334.3.6 `clear_flag()`

```
void briar::VerifyOptions::clear_flag ( ) [inline]
```

7.334.3.7 `clear_modality()`

```
void briar::VerifyOptions::clear_modality ( ) [inline]
```

7.334.3.8 `clear_return_media()`

```
void briar::VerifyOptions::clear_return_media ( ) [inline]
```

7.334.3.9 `clear_use_detections()`

```
void briar::VerifyOptions::clear_use_detections ( ) [inline]
```

7.334.3.10 `clear_use_templates()`

```
void briar::VerifyOptions::clear_use_templates ( ) [inline]
```

7.334.3.11 `clear_use_whole_image()`

```
void briar::VerifyOptions::clear_use_whole_image ( ) [inline]
```

7.334.3.12 `CopyFrom()`

```
void briar::VerifyOptions::CopyFrom (
    const VerifyOptions & from )
```

7.334.3.13 debug()

```
const ::briar::BoolOption & briar::VerifyOptions::debug () const [inline]
```

7.334.3.14 default_instance()

```
static const VerifyOptions& briar::VerifyOptions::default_instance () [inline], [static]
```

7.334.3.15 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyOptions::descriptor () [inline], [static]
```

7.334.3.16 flag()

```
briar::VerifyFlags briar::VerifyOptions::flag () const [inline]
```

7.334.3.17 GetCachedSize()

```
int briar::VerifyOptions::GetCachedSize () const [inline], [final]
```

7.334.3.18 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyOptions::GetClassData () const [final]
```

7.334.3.19 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyOptions::GetDescriptor () [inline], [static]
```

7.334.3.20 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyOptions::GetMetadata () const [final]
```

7.334.3.21 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyOptions::GetReflection ()  
[inline], [static]
```

7.334.3.22 has_debug()

```
bool briar::VerifyOptions::has_debug () const [inline]
```

7.334.3.23 has_return_media()

```
bool briar::VerifyOptions::has_return_media () const [inline]
```

7.334.3.24 has_use_detections()

```
bool briar::VerifyOptions::has_use_detections () const [inline]
```

7.334.3.25 has_use_templates()

```
bool briar::VerifyOptions::has_use_templates () const [inline]
```

7.334.3.26 has_use_whole_image()

```
bool briar::VerifyOptions::has_use_whole_image () const [inline]
```

7.334.3.27 internal_default_instance()

```
static const VerifyOptions* briar::VerifyOptions::internal_default_instance ( ) [inline],  
[static]
```

7.334.3.28 IsInitialized()

```
bool briar::VerifyOptions::IsInitialized ( ) const [final]
```

7.334.3.29 MergeFrom()

```
void briar::VerifyOptions::MergeFrom (const VerifyOptions & from)
```

7.334.3.30 modality()

```
briar::BiometricModality briar::VerifyOptions::modality ( ) const [inline]
```

7.334.3.31 mutable_debug()

```
briar::BoolOption * briar::VerifyOptions::mutable_debug ( ) [inline]
```

7.334.3.32 mutable_return_media()

```
briar::BoolOption * briar::VerifyOptions::mutable_return_media ( ) [inline]
```

7.334.3.33 mutable_use_detections()

```
briar::BoolOption * briar::VerifyOptions::mutable_use_detections ( ) [inline]
```

7.334.3.34 `mutable_use_templates()`

```
briar::BoolOption * briar::VerifyOptions::mutable_use_templates ( ) [inline]
```

7.334.3.35 `mutable_use_whole_image()`

```
briar::BoolOption * briar::VerifyOptions::mutable_use_whole_image ( ) [inline]
```

7.334.3.36 `New()`

```
VerifyOptions* briar::VerifyOptions::New (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.334.3.37 `operator=() [1/2]`

```
VerifyOptions& briar::VerifyOptions::operator= (
    const VerifyOptions & from ) [inline]
```

7.334.3.38 `operator=() [2/2]`

```
VerifyOptions& briar::VerifyOptions::operator= (
    VerifyOptions && from ) [inline], [noexcept]
```

7.334.3.39 `release_debug()`

```
briar::BoolOption * briar::VerifyOptions::release_debug ( ) [inline]
```

7.334.3.40 `release_return_media()`

```
briar::BoolOption * briar::VerifyOptions::release_return_media ( ) [inline]
```

7.334.3.41 release_use_detections()

```
briar::BoolOption * briar::VerifyOptions::release_use_detections ( ) [inline]
```

7.334.3.42 release_use_templates()

```
briar::BoolOption * briar::VerifyOptions::release_use_templates ( ) [inline]
```

7.334.3.43 release_use_whole_image()

```
briar::BoolOption * briar::VerifyOptions::release_use_whole_image ( ) [inline]
```

7.334.3.44 return_media()

```
const ::briar::BoolOption & briar::VerifyOptions::return_media ( ) const [inline]
```

7.334.3.45 set_allocated_debug()

```
void briar::VerifyOptions::set_allocated_debug (
    ::briar::BoolOption * debug ) [inline]
```

7.334.3.46 set_allocated_return_media()

```
void briar::VerifyOptions::set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.334.3.47 set_allocated_use_detections()

```
void briar::VerifyOptions::set_allocated_use_detections (
    ::briar::BoolOption * use_detections ) [inline]
```

7.334.3.48 set_allocated_use_templates()

```
void briar::VerifyOptions::set_allocated_use_templates (
    ::briar::BoolOption * use_templates ) [inline]
```

7.334.3.49 set_allocated_use_whole_image()

```
void briar::VerifyOptions::set_allocated_use_whole_image (
    ::briar::BoolOption * use_whole_image ) [inline]
```

7.334.3.50 set_flag()

```
void briar::VerifyOptions::set_flag (
    ::briar::VerifyFlags value ) [inline]
```

7.334.3.51 set_modality()

```
void briar::VerifyOptions::set_modality (
    ::briar::BiometricModality value ) [inline]
```

7.334.3.52 Swap()

```
void briar::VerifyOptions::Swap (
    VerifyOptions * other ) [inline]
```

7.334.3.53 unsafe_arena_release_debug()

```
briar::BoolOption * briar::VerifyOptions::unsafe_arena_release_debug ( ) [inline]
```

7.334.3.54 unsafe_arena_release_return_media()

```
briar::BoolOption * briar::VerifyOptions::unsafe_arena_release_return_media ( ) [inline]
```

7.334.3.55 unsafe_arena_release_use_detections()

```
briar::BoolOption * briar::VerifyOptions::unsafe_arena_release_use_detections ( ) [inline]
```

7.334.3.56 unsafe_arena_release_use_templates()

```
briar::BoolOption * briar::VerifyOptions::unsafe_arena_release_use_templates ( ) [inline]
```

7.334.3.57 unsafe_arena_release_use_whole_image()

```
briar::BoolOption * briar::VerifyOptions::unsafe_arena_release_use_whole_image ( ) [inline]
```

7.334.3.58 unsafe_arena_set_allocated_debug()

```
void briar::VerifyOptions::unsafe_arena_set_allocated_debug (
    ::briar::BoolOption * debug ) [inline]
```

7.334.3.59 unsafe_arena_set_allocated_return_media()

```
void briar::VerifyOptions::unsafe_arena_set_allocated_return_media (
    ::briar::BoolOption * return_media ) [inline]
```

7.334.3.60 unsafe_arena_set_allocated_use_detections()

```
void briar::VerifyOptions::unsafe_arena_set_allocated_use_detections (
    ::briar::BoolOption * use_detections ) [inline]
```

7.334.3.61 unsafe_arena_set_allocated_use_templates()

```
void briar::VerifyOptions::unsafe_arena_set_allocated_use_templates (
    ::briar::BoolOption * use_templates ) [inline]
```

7.334.3.62 `unsafe_arena_set_allocated_use_whole_image()`

```
void briar::VerifyOptions::unsafe_arena_set_allocated_use_whole_image (
    ::briar::BoolOption * use_whole_image ) [inline]
```

7.334.3.63 `UnsafeArenaSwap()`

```
void briar::VerifyOptions::UnsafeArenaSwap (
    VerifyOptions * other ) [inline]
```

7.334.3.64 `use_detections()`

```
const ::briar::BoolOption & briar::VerifyOptions::use_detections ( ) const [inline]
```

7.334.3.65 `use_templates()`

```
const ::briar::BoolOption & briar::VerifyOptions::use_templates ( ) const [inline]
```

7.334.3.66 `use_whole_image()`

```
const ::briar::BoolOption & briar::VerifyOptions::use_whole_image ( ) const [inline]
```

7.334.4 Friends And Related Function Documentation

7.334.4.1 `::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper`

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.334.4.2 `::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata`

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.334.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto [friend]
```

7.334.4.4 swap

```
void swap (
    VerifyOptions & a,
    VerifyOptions & b ) [friend]
```

7.334.5 Member Data Documentation

7.334.5.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyOptions::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyOptions::MergeImpl
}
```

7.334.5.2 kIndexInFileMessages

```
constexpr int briar::VerifyOptions::kIndexInFileMessages [static], [constexpr]
```

Initial value:

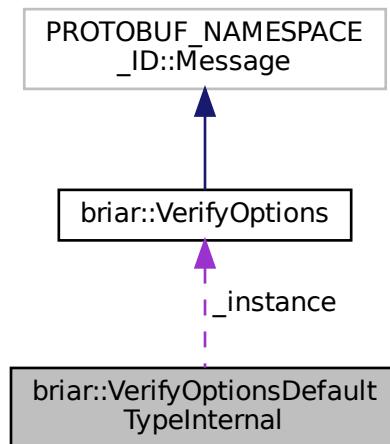
```
= 8
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar.pb.cc](#)

7.335 briar::VerifyOptionsDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyOptionsDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyOptionsDefaultTypeInternal ()
- `~VerifyOptionsDefaultTypeInternal ()`

Public Attributes

- union {
 `VerifyOptions _instance`
};

7.335.1 Constructor & Destructor Documentation

7.335.1.1 VerifyOptionsDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyOptionsDefaultTypeInternal::VerifyOptionsDefaultTypeInternal (
) [inline]
```

7.335.1.2 ~VerifyOptionsDefaultTypeInternal()

```
briar::VerifyOptionsDefaultTypeInternal::~VerifyOptionsDefaultTypeInternal () [inline]
```

7.335.2 Member Data Documentation

7.335.2.1

```
union { ... }
```

7.335.2.2 _instance

```
VerifyOptions briar::VerifyOptionsDefaultTypeInternal::_instance
```

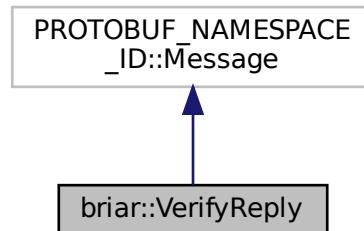
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar.pb.cc

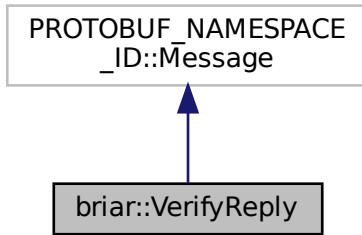
7.336 briar::VerifyReply Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyReply:



Collaboration diagram for briar::VerifyReply:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 [kSimilaritiesFieldNumber](#) = 1 , [kDurationsFieldNumber](#) = 2 , [kErrorsFieldNumber](#) = 3 , [kDetectReplyFieldNumber](#) = 4 ,
 [kExtractReplyFieldNumber](#) = 5 , [kProgressOnlyReplyFieldNumber](#) = 6 }

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_detect_reply](#) ()
- void [clear_durations](#) ()
- void [clear_errors](#) ()
- void [clear_extract_reply](#) ()
- void [clear_progress_only_reply](#) ()
- void [clear_similarities](#) ()
- void [CopyFrom](#) (const [VerifyReply](#) &from)
- const ::briar::DetectReply & [detect_reply](#) () const
- const ::briar::BriarDurations & [durations](#) () const
- const ::briar::BriarErrors & [errors](#) () const
- const ::briar::ExtractReply & [extract_reply](#) () const
- int [GetCachedSize](#) () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * [GetClassData](#) () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata [GetMetadata](#) () const final
- bool [has_detect_reply](#) () const
- bool [has_durations](#) () const

- bool `has_errors () const`
- bool `has_extract_reply () const`
- bool `has_similarities () const`
- bool `IsInitialized () const final`
- void `MergeFrom (const VerifyReply &from)`
- `::briar::DetectReply * mutable_detect_reply ()`
- `::briar::BriarDurations * mutable_durations ()`
- `::briar::BriarErrors * mutable_errors ()`
- `::briar::ExtractReply * mutable_extract_reply ()`
- `::briar::VerifyMatchList * mutable_similarities ()`
- `VerifyReply * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final`
- `VerifyReply & operator= (const VerifyReply &from)`
- `VerifyReply & operator= (VerifyReply &&from) noexcept`
- bool `progress_only_reply () const`
- `PROTOBUF_NODISCARD ::briar::DetectReply * release_detect_reply ()`
- `PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()`
- `PROTOBUF_NODISCARD ::briar::BriarErrors * release_errors ()`
- `PROTOBUF_NODISCARD ::briar::ExtractReply * release_extract_reply ()`
- `PROTOBUF_NODISCARD ::briar::VerifyMatchList * release_similarities ()`
- void `set_allocated_detect_reply (::briar::DetectReply *detect_reply)`
- void `set_allocated_durations (::briar::BriarDurations *durations)`
- void `set_allocated_errors (::briar::BriarErrors *errors)`
- void `set_allocated_extract_reply (::briar::ExtractReply *extract_reply)`
- void `set_allocated_similarities (::briar::VerifyMatchList *similarities)`
- void `set_progress_only_reply (bool value)`
- const `::briar::VerifyMatchList & similarities () const`
- void `Swap (VerifyReply *other)`
- `::briar::DetectReply * unsafe_arena_release_detect_reply ()`
- `::briar::BriarDurations * unsafe_arena_release_durations ()`
- `::briar::BriarErrors * unsafe_arena_release_errors ()`
- `::briar::ExtractReply * unsafe_arena_release_extract_reply ()`
- `::briar::VerifyMatchList * unsafe_arena_release_similarities ()`
- void `unsafe_arena_set_allocated_detect_reply (::briar::DetectReply *detect_reply)`
- void `unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)`
- void `unsafe_arena_set_allocated_errors (::briar::BriarErrors *errors)`
- void `unsafe_arena_set_allocated_extract_reply (::briar::ExtractReply *extract_reply)`
- void `unsafe_arena_set_allocated_similarities (::briar::VerifyMatchList *similarities)`
- void `UnsafeArenaSwap (VerifyReply *other)`
- `VerifyReply ()`
- `PROTOBUF_CONSTEXPR VerifyReply (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)`
- `VerifyReply (const VerifyReply &from)`
- `VerifyReply (VerifyReply &&from) noexcept`
- `~VerifyReply () override`

Static Public Member Functions

- static const `VerifyReply & default_instance ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * descriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Descriptor * GetDescriptor ()`
- static const `::PROTOBUF_NAMESPACE_ID::Reflection * GetReflection ()`
- static const `VerifyReply * internal_default_instance ()`

Static Public Attributes

- static const ClassData [_class_data_](#)
- static constexpr int [kIndexInFileMessages](#)

Protected Member Functions

- [VerifyReply](#) (::PROTOBUF_NAMESPACE_ID::Arena *arena, bool is_message_owned=false)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2епрото
- void [swap](#) ([VerifyReply](#) &a, [VerifyReply](#) &b)

7.336.1 Member Enumeration Documentation

7.336.1.1 anonymous enum

anonymous enum : int

Enumerator

kSimilaritiesFieldNumber	
kDurationsFieldNumber	
kErrorsFieldNumber	
kDetectReplyFieldNumber	
kExtractReplyFieldNumber	
kProgressOnlyReplyFieldNumber	

7.336.2 Constructor & Destructor Documentation

7.336.2.1 VerifyReply() [1/5]

briar::VerifyReply::VerifyReply () [inline]

7.336.2.2 ~VerifyReply()

```
briar::VerifyReply::~VerifyReply ( ) [override]
```

7.336.2.3 VerifyReply() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyReply::VerifyReply (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.336.2.4 VerifyReply() [3/5]

```
briar::VerifyReply::VerifyReply (
    const VerifyReply & from )
```

7.336.2.5 VerifyReply() [4/5]

```
briar::VerifyReply::VerifyReply (
    VerifyReply && from ) [inline], [noexcept]
```

7.336.2.6 VerifyReply() [5/5]

```
briar::VerifyReply::VerifyReply (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.336.3 Member Function Documentation

7.336.3.1 _InternalParse()

```
const char * briar::VerifyReply::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.336.3.2 `_InternalSerialize()`

```
uint8_t * briar::VerifyReply::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.336.3.3 `ByteSizeLong()`

```
size_t briar::VerifyReply::ByteSizeLong ( ) const [final]
```

7.336.3.4 `Clear()`

```
void briar::VerifyReply::Clear ( ) [final]
```

7.336.3.5 `clear_detect_reply()`

```
void briar::VerifyReply::clear_detect_reply ( ) [inline]
```

7.336.3.6 `clear_durations()`

```
void briar::VerifyReply::clear_durations ( )
```

7.336.3.7 `clear_errors()`

```
void briar::VerifyReply::clear_errors ( )
```

7.336.3.8 `clear_extract_reply()`

```
void briar::VerifyReply::clear_extract_reply ( ) [inline]
```

7.336.3.9 clear_progress_only_reply()

```
void briar::VerifyReply::clear_progress_only_reply ( ) [inline]
```

7.336.3.10 clear_similarities()

```
void briar::VerifyReply::clear_similarities ( )
```

7.336.3.11 CopyFrom()

```
void briar::VerifyReply::CopyFrom (
    const VerifyReply & from )
```

7.336.3.12 default_instance()

```
static const VerifyReply& briar::VerifyReply::default_instance ( ) [inline], [static]
```

7.336.3.13 descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyReply::descriptor ( ) [inline], [static]
```

7.336.3.14 detect_reply()

```
const ::briar::DetectReply & briar::VerifyReply::detect_reply ( ) const [inline]
```

7.336.3.15 durations()

```
const ::briar::BriarDurations & briar::VerifyReply::durations ( ) const [inline]
```

7.336.3.16 errors()

```
const ::briar::BriarErrors & briar::VerifyReply::errors ( ) const [inline]
```

7.336.3.17 extract_reply()

```
const ::briar::ExtractReply & briar::VerifyReply::extract_reply ( ) const [inline]
```

7.336.3.18 GetCachedSize()

```
int briar::VerifyReply::GetCachedSize ( ) const [inline], [final]
```

7.336.3.19 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyReply::GetClassData ( ) const [final]
```

7.336.3.20 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyReply::GetDescriptor ( ) [inline], [static]
```

7.336.3.21 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyReply::GetMetadata ( ) const [final]
```

7.336.3.22 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyReply::GetReflection ( ) [inline], [static]
```

7.336.3.23 has_detect_reply()

```
bool briar::VerifyReply::has_detect_reply ( ) const [inline]
```

7.336.3.24 has_durations()

```
bool briar::VerifyReply::has_durations ( ) const [inline]
```

7.336.3.25 has_errors()

```
bool briar::VerifyReply::has_errors ( ) const [inline]
```

7.336.3.26 has_extract_reply()

```
bool briar::VerifyReply::has_extract_reply ( ) const [inline]
```

7.336.3.27 has_similarities()

```
bool briar::VerifyReply::has_similarities ( ) const [inline]
```

7.336.3.28 internal_default_instance()

```
static const VerifyReply* briar::VerifyReply::internal_default_instance ( ) [inline], [static]
```

7.336.3.29 IsInitialized()

```
bool briar::VerifyReply::IsInitialized ( ) const [final]
```

7.336.3.30 MergeFrom()

```
void briar::VerifyReply::MergeFrom (
    const VerifyReply & from )
```

7.336.3.31 `mutable_detect_reply()`

```
briar::DetectReply * briar::VerifyReply::mutable_detect_reply ( ) [inline]
```

7.336.3.32 `mutable_durations()`

```
briar::BriarDurations * briar::VerifyReply::mutable_durations ( ) [inline]
```

7.336.3.33 `mutable_errors()`

```
briar::BriarErrors * briar::VerifyReply::mutable_errors ( ) [inline]
```

7.336.3.34 `mutable_extract_reply()`

```
briar::ExtractReply * briar::VerifyReply::mutable_extract_reply ( ) [inline]
```

7.336.3.35 `mutable_similarities()`

```
briar::VerifyMatchList * briar::VerifyReply::mutable_similarities ( ) [inline]
```

7.336.3.36 `New()`

```
VerifyReply* briar::VerifyReply::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.336.3.37 `operator=() [1/2]`

```
VerifyReply& briar::VerifyReply::operator= ( const VerifyReply & from ) [inline]
```

7.336.3.38 operator=() [2/2]

```
VerifyReply& briar::VerifyReply::operator= (
    VerifyReply && from )  [inline], [noexcept]
```

7.336.3.39 progress_only_reply()

```
bool briar::VerifyReply::progress_only_reply ( ) const [inline]
```

7.336.3.40 release_detect_reply()

```
briar::DetectReply * briar::VerifyReply::release_detect_reply ( ) [inline]
```

7.336.3.41 release_durations()

```
briar::BriarDurations * briar::VerifyReply::release_durations ( ) [inline]
```

7.336.3.42 release_errors()

```
briar::BriarErrors * briar::VerifyReply::release_errors ( ) [inline]
```

7.336.3.43 release_extract_reply()

```
briar::ExtractReply * briar::VerifyReply::release_extract_reply ( ) [inline]
```

7.336.3.44 release_similarities()

```
briar::VerifyMatchList * briar::VerifyReply::release_similarities ( ) [inline]
```

7.336.3.45 set_allocated_detect_reply()

```
void briar::VerifyReply::set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.336.3.46 set_allocated_durations()

```
void briar::VerifyReply::set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.336.3.47 set_allocated_errors()

```
void briar::VerifyReply::set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.336.3.48 set_allocated_extract_reply()

```
void briar::VerifyReply::set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.336.3.49 set_allocated_similarities()

```
void briar::VerifyReply::set_allocated_similarities (
    ::briar::VerifyMatchList * similarities ) [inline]
```

7.336.3.50 set_progress_only_reply()

```
void briar::VerifyReply::set_progress_only_reply (
    bool value ) [inline]
```

7.336.3.51 similarities()

```
const ::briar::VerifyMatchList & briar::VerifyReply::similarities () const [inline]
```

7.336.3.52 Swap()

```
void briar::VerifyReply::Swap (
    VerifyReply * other ) [inline]
```

7.336.3.53 unsafe_arena_release_detect_reply()

```
briar::DetectReply * briar::VerifyReply::unsafe_arena_release_detect_reply () [inline]
```

7.336.3.54 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::VerifyReply::unsafe_arena_release_durations () [inline]
```

7.336.3.55 unsafe_arena_release_errors()

```
briar::BriarErrors * briar::VerifyReply::unsafe_arena_release_errors () [inline]
```

7.336.3.56 unsafe_arena_release_extract_reply()

```
briar::ExtractReply * briar::VerifyReply::unsafe_arena_release_extract_reply () [inline]
```

7.336.3.57 unsafe_arena_release_similarities()

```
briar::VerifyMatchList * briar::VerifyReply::unsafe_arena_release_similarities () [inline]
```

7.336.3.58 unsafe_arena_set_allocated_detect_reply()

```
void briar::VerifyReply::unsafe_arena_set_allocated_detect_reply (
    ::briar::DetectReply * detect_reply ) [inline]
```

7.336.3.59 unsafe_arena_set_allocated_durations()

```
void briar::VerifyReply::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.336.3.60 unsafe_arena_set_allocated_errors()

```
void briar::VerifyReply::unsafe_arena_set_allocated_errors (
    ::briar::BriarErrors * errors ) [inline]
```

7.336.3.61 unsafe_arena_set_allocated_extract_reply()

```
void briar::VerifyReply::unsafe_arena_set_allocated_extract_reply (
    ::briar::ExtractReply * extract_reply ) [inline]
```

7.336.3.62 unsafe_arena_set_allocated_similarities()

```
void briar::VerifyReply::unsafe_arena_set_allocated_similarities (
    ::briar::VerifyMatchList * similarities ) [inline]
```

7.336.3.63 UnsafeArenaSwap()

```
void briar::VerifyReply::UnsafeArenaSwap (
    VerifyReply * other ) [inline]
```

7.336.4 Friends And Related Function Documentation

7.336.4.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.336.4.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.336.4.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot [friend]
```

7.336.4.4 swap

```
void swap (
    VerifyReply & a,
    VerifyReply & b ) [friend]
```

7.336.5 Member Data Documentation

7.336.5.1 _class_data_

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyReply::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyReply::MergeImpl
}
```

7.336.5.2 kIndexInFileMessages

```
constexpr int briar::VerifyReply::kIndexInFileMessages [static], [constexpr]
```

Initial value:

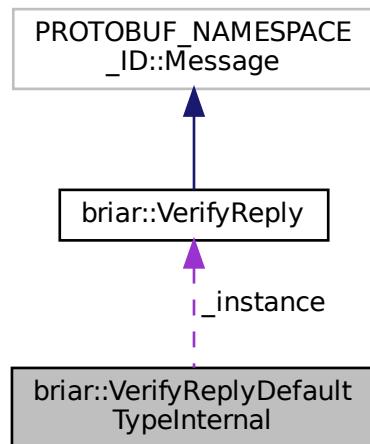
```
= 38
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.h
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_service.pb.cc

7.337 briar::VerifyReplyDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyReplyDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyReplyDefaultTypeInternal ()
- `~VerifyReplyDefaultTypeInternal ()`

Public Attributes

- union {
 `VerifyReply _instance`
};

7.337.1 Constructor & Destructor Documentation

7.337.1.1 VerifyReplyDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyReplyDefaultTypeInternal::VerifyReplyDefaultTypeInternal ( )
[inline]
```

7.337.1.2 ~VerifyReplyDefaultTypeInternal()

```
briar::VerifyReplyDefaultTypeInternal::~VerifyReplyDefaultTypeInternal () [inline]
```

7.337.2 Member Data Documentation

7.337.2.1

```
union { ... }
```

7.337.2.2 _instance

```
VerifyReply briar::VerifyReplyDefaultTypeInternal::_instance
```

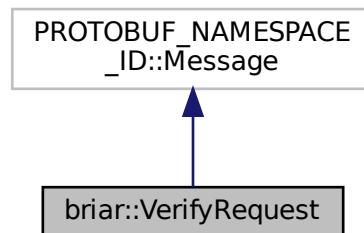
The documentation for this struct was generated from the following file:

- /home/qdb/git/briar-api/lib/cpp/briar/grpc/briar_service.pb.cc

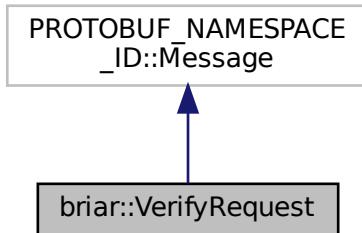
7.338 briar::VerifyRequest Class Reference

```
#include <briar_service.pb.h>
```

Inheritance diagram for briar::VerifyRequest:



Collaboration diagram for briar::VerifyRequest:



Classes

- class [_Internal](#)

Public Types

- enum : int {
 `kDetectionsFieldNumber = 3, kMediaFieldNumber = 1, kReferenceTmplsFieldNumber = 4, kDurationsFieldNumber = 5,`
`kDetectOptionsFieldNumber = 6, kExtractOptionsFieldNumber = 7, kVerifyOptionsFieldNumber = 8,`
`kRoleFieldNumber = 2,`
`kFlagFieldNumber = 9` }
- typedef `VerifyRequest_VerifyRole VerifyRole`

Public Member Functions

- const char * [_InternalParse](#) (const char *ptr, ::PROTOBUF_NAMESPACE_ID::internal::ParseContext *ctx) final
- uint8_t * [_InternalSerialize](#) (uint8_t *target, ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream *stream) const final
- ::briar::Detection * [add_detections](#) ()
- size_t [ByteSizeLong](#) () const final
- PROTOBUF_ATTRIBUTE_REINITIALIZES void [Clear](#) () final
- void [clear_detect_options](#) ()
- void [clear_detections](#) ()
- void [clear_durations](#) ()
- void [clear_extract_options](#) ()
- void [clear_flag](#) ()
- void [clear_media](#) ()
- void [clear_reference_tmpls](#) ()
- void [clear_role](#) ()
- void [clear_verify_options](#) ()
- void [CopyFrom](#) (const `VerifyRequest` &from)
- const ::briar::DetectionOptions & [detect_options](#) () const
- const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > & [detections](#) () const

- const ::briar::Detection & detections (int index) const
- int detections_size () const
- const ::briar::BriarDurations & durations () const
- const ::briar::ExtractOptions & extract_options () const
- ::briar::VerifyFlags flag () const
- int GetCachedSize () const final
- const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * GetClassData () const final
- ::PROTOBUF_NAMESPACE_ID::Metadata GetMetadata () const final
- bool has_detect_options () const
- bool has_durations () const
- bool has_extract_options () const
- bool has_media () const
- bool has_reference_tmpls () const
- bool has_verify_options () const
- bool IsInitialized () const final
- const ::briar::BriarMedia & media () const
- void MergeFrom (const VerifyRequest &from)
- ::briar::DetectionOptions * mutable_detect_options ()
- ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField< ::briar::Detection > * mutable_detections ()
- ::briar::Detection * mutable_detections (int index)
- ::briar::BriarDurations * mutable_durations ()
- ::briar::ExtractOptions * mutable_extract_options ()
- ::briar::BriarMedia * mutable_media ()
- ::briar::TemplateList * mutable_reference_tmpls ()
- ::briar::VerifyOptions * mutable_verify_options ()
- VerifyRequest * New (::PROTOBUF_NAMESPACE_ID::Arena *arena=nullptr) const final
- VerifyRequest & operator= (const VerifyRequest &from)
- VerifyRequest & operator= (VerifyRequest &&from) noexcept
- const ::briar::TemplateList & reference_tmpls () const
- PROTOBUF_NODISCARD ::briar::DetectionOptions * release_detect_options ()
- PROTOBUF_NODISCARD ::briar::BriarDurations * release_durations ()
- PROTOBUF_NODISCARD ::briar::ExtractOptions * release_extract_options ()
- PROTOBUF_NODISCARD ::briar::BriarMedia * release_media ()
- PROTOBUF_NODISCARD ::briar::TemplateList * release_reference_tmpls ()
- PROTOBUF_NODISCARD ::briar::VerifyOptions * release_verify_options ()
- ::briar::VerifyRequest_VerifyRole role () const
- void set_allocated_detect_options (::briar::DetectionOptions *detect_options)
- void set_allocated_durations (::briar::BriarDurations *durations)
- void set_allocated_extract_options (::briar::ExtractOptions *extract_options)
- void set_allocated_media (::briar::BriarMedia *media)
- void set_allocated_reference_tmpls (::briar::TemplateList *reference_tmpls)
- void set_allocated_verify_options (::briar::VerifyOptions *verify_options)
- void set_flag (::briar::VerifyFlags value)
- void set_role (::briar::VerifyRequest_VerifyRole value)
- void Swap (VerifyRequest *other)
- ::briar::DetectionOptions * unsafe_arena_release_detect_options ()
- ::briar::BriarDurations * unsafe_arena_release_durations ()
- ::briar::ExtractOptions * unsafe_arena_release_extract_options ()
- ::briar::BriarMedia * unsafe_arena_release_media ()
- ::briar::TemplateList * unsafe_arena_release_reference_tmpls ()
- ::briar::VerifyOptions * unsafe_arena_release_verify_options ()
- void unsafe_arena_set_allocated_detect_options (::briar::DetectionOptions *detect_options)
- void unsafe_arena_set_allocated_durations (::briar::BriarDurations *durations)
- void unsafe_arena_set_allocated_extract_options (::briar::ExtractOptions *extract_options)
- void unsafe_arena_set_allocated_media (::briar::BriarMedia *media)

- void `unsafe_arena_set_allocated_reference_tmpls` (::briar::TemplateList *`reference_tmpls`)
- void `unsafe_arena_set_allocated_verify_options` (::briar::VerifyOptions *`verify_options`)
- void `UnsafeArenaSwap` (VerifyRequest *`other`)
- const ::briar::VerifyOptions & `verify_options` () const
- `VerifyRequest` ()
- PROTOBUF_CONSTEXPR VerifyRequest (::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized)
- VerifyRequest (const VerifyRequest &`from`)
- VerifyRequest (VerifyRequest &&`from`) noexcept
- ~VerifyRequest () override

Static Public Member Functions

- static const VerifyRequest & `default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `descriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Descriptor * `GetDescriptor` ()
- static const ::PROTOBUF_NAMESPACE_ID::Reflection * `GetReflection` ()
- static const VerifyRequest * `internal_default_instance` ()
- static const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * `VerifyRole_descriptor` ()
- static bool `VerifyRole_IsValid` (int `value`)
- template<typename T >
static const std::string & `VerifyRole_Name` (T enum_t_value)
- static bool `VerifyRole_Parse` (::PROTOBUF_NAMESPACE_ID::ConstStringParam `name`, VerifyRole *`value`)

Static Public Attributes

- static const ClassData `_class_data_`
- static constexpr int `kIndexInFileMessages`
- static constexpr VerifyRole `reference`
- static constexpr VerifyRole `verify`
- static constexpr int `VerifyRole_ARRAYSIZE`
- static constexpr VerifyRole `VerifyRole_MAX`
- static constexpr VerifyRole `VerifyRole_MIN`

Protected Member Functions

- VerifyRequest (::PROTOBUF_NAMESPACE_ID::Arena *`arena`, bool `is_message_owned=false`)

Friends

- template<typename T >
class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper
- class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata
- struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto
- void `swap` (VerifyRequest &`a`, VerifyRequest &`b`)

7.338.1 Member Typedef Documentation

7.338.1.1 VerifyRole

```
typedef VerifyRequest_VerifyRole briar::VerifyRequest::VerifyRole
```

7.338.2 Member Enumeration Documentation

7.338.2.1 anonymous enum

```
anonymous enum : int
```

Enumerator

kDetectionsFieldNumber
kMediaFieldNumber
kReferenceTmplsFieldNumber
kDurationsFieldNumber
kDetectOptionsFieldNumber
kExtractOptionsFieldNumber
kVerifyOptionsFieldNumber
kRoleFieldNumber
kFlagFieldNumber

7.338.3 Constructor & Destructor Documentation

7.338.3.1 VerifyRequest() [1/5]

```
briar::VerifyRequest::VerifyRequest ( ) [inline]
```

7.338.3.2 ~VerifyRequest()

```
briar::VerifyRequest::~VerifyRequest ( ) [override]
```

7.338.3.3 VerifyRequest() [2/5]

```
PROTOBUF_CONSTEXPR briar::VerifyRequest::VerifyRequest (
    ::PROTOBUF_NAMESPACE_ID::internal::ConstantInitialized ) [explicit]
```

7.338.3.4 VerifyRequest() [3/5]

```
briar::VerifyRequest::VerifyRequest (
    const VerifyRequest & from )
```

7.338.3.5 VerifyRequest() [4/5]

```
briar::VerifyRequest::VerifyRequest (
    VerifyRequest && from ) [inline], [noexcept]
```

7.338.3.6 VerifyRequest() [5/5]

```
briar::VerifyRequest::VerifyRequest (
    ::PROTOBUF_NAMESPACE_ID::Arena * arena,
    bool is_message_owned = false ) [explicit], [protected]
```

7.338.4 Member Function Documentation

7.338.4.1 _InternalParse()

```
const char * briar::VerifyRequest::_InternalParse (
    const char * ptr,
    ::PROTOBUF_NAMESPACE_ID::internal::ParseContext * ctx ) [final]
```

7.338.4.2 _InternalSerialize()

```
uint8_t * briar::VerifyRequest::_InternalSerialize (
    uint8_t * target,
    ::PROTOBUF_NAMESPACE_ID::io::EpsCopyOutputStream * stream ) const [final]
```

7.338.4.3 add_detections()

```
briar::Detection * briar::VerifyRequest::add_detections () [inline]
```

7.338.4.4 ByteSizeLong()

```
size_t briar::VerifyRequest::ByteSizeLong ( ) const [final]
```

7.338.4.5 Clear()

```
void briar::VerifyRequest::Clear ( ) [final]
```

7.338.4.6 clear_detect_options()

```
void briar::VerifyRequest::clear_detect_options ( )
```

7.338.4.7 clear_detections()

```
void briar::VerifyRequest::clear_detections ( )
```

7.338.4.8 clear_durations()

```
void briar::VerifyRequest::clear_durations ( )
```

7.338.4.9 clear_extract_options()

```
void briar::VerifyRequest::clear_extract_options ( )
```

7.338.4.10 clear_flag()

```
void briar::VerifyRequest::clear_flag ( ) [inline]
```

7.338.4.11 clear_media()

```
void briar::VerifyRequest::clear_media ( )
```

7.338.4.12 `clear_reference_tmpls()`

```
void briar::VerifyRequest::clear_reference_tmpls ( )
```

7.338.4.13 `clear_role()`

```
void briar::VerifyRequest::clear_role ( ) [inline]
```

7.338.4.14 `clear_verify_options()`

```
void briar::VerifyRequest::clear_verify_options ( )
```

7.338.4.15 `CopyFrom()`

```
void briar::VerifyRequest::CopyFrom (
    const VerifyRequest & from )
```

7.338.4.16 `default_instance()`

```
static const VerifyRequest& briar::VerifyRequest::default_instance ( ) [inline], [static]
```

7.338.4.17 `descriptor()`

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyRequest::descriptor ( ) [inline], [static]
```

7.338.4.18 `detect_options()`

```
const ::briar::DetectionOptions & briar::VerifyRequest::detect_options ( ) const [inline]
```

7.338.4.19 detections() [1/2]

```
const ::PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> & briar::VerifyRequest::detections() const [inline]
```

7.338.4.20 detections() [2/2]

```
const ::briar::Detection & briar::VerifyRequest::detections(int index) const [inline]
```

7.338.4.21 detections_size()

```
int briar::VerifyRequest::detections_size() const [inline]
```

7.338.4.22 durations()

```
const ::briar::BriarDurations & briar::VerifyRequest::durations() const [inline]
```

7.338.4.23 extract_options()

```
const ::briar::ExtractOptions & briar::VerifyRequest::extract_options() const [inline]
```

7.338.4.24 flag()

```
briar::VerifyFlags briar::VerifyRequest::flag() const [inline]
```

7.338.4.25 GetCachedSize()

```
int briar::VerifyRequest::GetCachedSize() const [inline], [final]
```

7.338.4.26 GetClassData()

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData * briar::VerifyRequest::GetClassData ( )
const [final]
```

7.338.4.27 GetDescriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::Descriptor* briar::VerifyRequest::GetDescriptor ( )
[inline], [static]
```

7.338.4.28 GetMetadata()

```
PROTOBUF_NAMESPACE_ID::Metadata briar::VerifyRequest::GetMetadata ( ) const [final]
```

7.338.4.29 GetReflection()

```
static const ::PROTOBUF_NAMESPACE_ID::Reflection* briar::VerifyRequest::GetReflection ( )
[inline], [static]
```

7.338.4.30 has_detect_options()

```
bool briar::VerifyRequest::has_detect_options ( ) const [inline]
```

7.338.4.31 has_durations()

```
bool briar::VerifyRequest::has_durations ( ) const [inline]
```

7.338.4.32 has_extract_options()

```
bool briar::VerifyRequest::has_extract_options ( ) const [inline]
```

7.338.4.33 has_media()

```
bool briar::VerifyRequest::has_media ( ) const [inline]
```

7.338.4.34 has_reference_tmpls()

```
bool briar::VerifyRequest::has_reference_tmpls ( ) const [inline]
```

7.338.4.35 has_verify_options()

```
bool briar::VerifyRequest::has_verify_options ( ) const [inline]
```

7.338.4.36 internal_default_instance()

```
static const VerifyRequest* briar::VerifyRequest::internal_default_instance ( ) [inline],  
[static]
```

7.338.4.37 IsInitialized()

```
bool briar::VerifyRequest::IsInitialized ( ) const [final]
```

7.338.4.38 media()

```
const ::briar::BriarMedia & briar::VerifyRequest::media ( ) const [inline]
```

7.338.4.39 MergeFrom()

```
void briar::VerifyRequest::MergeFrom (const VerifyRequest & from)
```

7.338.4.40 mutable_detect_options()

```
briar::DetectionOptions * briar::VerifyRequest::mutable_detect_options ( ) [inline]
```

7.338.4.41 mutable_detections() [1/2]

```
PROTOBUF_NAMESPACE_ID::RepeatedPtrField<::briar::Detection> * briar::VerifyRequest::mutable_detections ( ) [inline]
```

7.338.4.42 mutable_detections() [2/2]

```
briar::Detection * briar::VerifyRequest::mutable_detections ( int index ) [inline]
```

7.338.4.43 mutable_durations()

```
briar::BriarDurations * briar::VerifyRequest::mutable_durations ( ) [inline]
```

7.338.4.44 mutable_extract_options()

```
briar::ExtractOptions * briar::VerifyRequest::mutable_extract_options ( ) [inline]
```

7.338.4.45 mutable_media()

```
briar::BriarMedia * briar::VerifyRequest::mutable_media ( ) [inline]
```

7.338.4.46 mutable_reference_tmpls()

```
briar::TemplateList * briar::VerifyRequest::mutable_reference_tmpls ( ) [inline]
```

7.338.4.47 mutable_verify_options()

```
briar::VerifyOptions * briar::VerifyRequest::mutable_verify_options ( ) [inline]
```

7.338.4.48 New()

```
VerifyRequest* briar::VerifyRequest::New ( ::PROTOBUF_NAMESPACE_ID::Arena * arena = nullptr ) const [inline], [final]
```

7.338.4.49 operator=() [1/2]

```
VerifyRequest& briar::VerifyRequest::operator= ( const VerifyRequest & from ) [inline]
```

7.338.4.50 operator=() [2/2]

```
VerifyRequest& briar::VerifyRequest::operator= ( VerifyRequest && from ) [inline], [noexcept]
```

7.338.4.51 reference_tmpls()

```
const ::briar::TemplateList & briar::VerifyRequest::reference_tmpls ( ) const [inline]
```

7.338.4.52 release_detect_options()

```
briar::DetectionOptions * briar::VerifyRequest::release_detect_options ( ) [inline]
```

7.338.4.53 release_durations()

```
briar::BriarDurations * briar::VerifyRequest::release_durations ( ) [inline]
```

7.338.4.54 `release_extract_options()`

```
briar::ExtractOptions * briar::VerifyRequest::release_extract_options ( ) [inline]
```

7.338.4.55 `release_media()`

```
briar::BriarMedia * briar::VerifyRequest::release_media ( ) [inline]
```

7.338.4.56 `release_reference_tmpls()`

```
briar::TemplateList * briar::VerifyRequest::release_reference_tmpls ( ) [inline]
```

7.338.4.57 `release_verify_options()`

```
briar::VerifyOptions * briar::VerifyRequest::release_verify_options ( ) [inline]
```

7.338.4.58 `role()`

```
briar::VerifyRequest_VerifyRole briar::VerifyRequest::role ( ) const [inline]
```

7.338.4.59 `set_allocated_detect_options()`

```
void briar::VerifyRequest::set_allocated_detect_options (   
    ::briar::DetectionOptions * detect_options ) [inline]
```

7.338.4.60 `set_allocated_durations()`

```
void briar::VerifyRequest::set_allocated_durations (   
    ::briar::BriarDurations * durations ) [inline]
```

7.338.4.61 set_allocated_extract_options()

```
void briar::VerifyRequest::set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.338.4.62 set_allocated_media()

```
void briar::VerifyRequest::set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.338.4.63 set_allocated_reference_tmpls()

```
void briar::VerifyRequest::set_allocated_reference_tmpls (
    ::briar::TemplateList * reference_tmpls ) [inline]
```

7.338.4.64 set_allocated_verify_options()

```
void briar::VerifyRequest::set_allocated_verify_options (
    ::briar::VerifyOptions * verify_options ) [inline]
```

7.338.4.65 set_flag()

```
void briar::VerifyRequest::set_flag (
    ::briar::VerifyFlags value ) [inline]
```

7.338.4.66 set_role()

```
void briar::VerifyRequest::set_role (
    ::briar::VerifyRequest_VerifyRole value ) [inline]
```

7.338.4.67 Swap()

```
void briar::VerifyRequest::Swap (
    VerifyRequest * other ) [inline]
```

7.338.4.68 unsafe_arena_release_detect_options()

```
briar::DetectionOptions * briar::VerifyRequest::unsafe_arena_release_detect_options ( ) [inline]
```

7.338.4.69 unsafe_arena_release_durations()

```
briar::BriarDurations * briar::VerifyRequest::unsafe_arena_release_durations ( ) [inline]
```

7.338.4.70 unsafe_arena_release_extract_options()

```
briar::ExtractOptions * briar::VerifyRequest::unsafe_arena_release_extract_options ( ) [inline]
```

7.338.4.71 unsafe_arena_release_media()

```
briar::BriarMedia * briar::VerifyRequest::unsafe_arena_release_media ( ) [inline]
```

7.338.4.72 unsafe_arena_release_reference_tmpls()

```
briar::TemplateList * briar::VerifyRequest::unsafe_arena_release_reference_tmpls ( ) [inline]
```

7.338.4.73 unsafe_arena_release_verify_options()

```
briar::VerifyOptions * briar::VerifyRequest::unsafe_arena_release_verify_options ( ) [inline]
```

7.338.4.74 unsafe_arena_set_allocated_detect_options()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_detect_options ( ::briar::DetectionOptions * detect_options ) [inline]
```

7.338.4.75 unsafe_arena_set_allocated_durations()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_durations (
    ::briar::BriarDurations * durations ) [inline]
```

7.338.4.76 unsafe_arena_set_allocated_extract_options()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_extract_options (
    ::briar::ExtractOptions * extract_options ) [inline]
```

7.338.4.77 unsafe_arena_set_allocated_media()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_media (
    ::briar::BriarMedia * media ) [inline]
```

7.338.4.78 unsafe_arena_set_allocated_reference_tmpls()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_reference_tmpls (
    ::briar::TemplateList * reference_tmpls ) [inline]
```

7.338.4.79 unsafe_arena_set_allocated_verify_options()

```
void briar::VerifyRequest::unsafe_arena_set_allocated_verify_options (
    ::briar::VerifyOptions * verify_options ) [inline]
```

7.338.4.80 UnsafeArenaSwap()

```
void briar::VerifyRequest::UnsafeArenaSwap (
    VerifyRequest * other ) [inline]
```

7.338.4.81 verify_options()

```
const ::briar::VerifyOptions & briar::VerifyRequest::verify_options ( ) const [inline]
```

7.338.4.82 VerifyRole_descriptor()

```
static const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor* briar::VerifyRequest::VerifyRole_<→
descriptor ( ) [inline], [static]
```

7.338.4.83 VerifyRole_IsValid()

```
static bool briar::VerifyRequest::VerifyRole_IsValid (
    int value ) [inline], [static]
```

7.338.4.84 VerifyRole_Name()

```
template<typename T >
static const std::string& briar::VerifyRequest::VerifyRole_Name (
    T enum_t_value ) [inline], [static]
```

7.338.4.85 VerifyRole_Parse()

```
static bool briar::VerifyRequest::VerifyRole_Parse (
    ::PROTOBUF_NAMESPACE_ID::ConstStringParam name,
    VerifyRole * value ) [inline], [static]
```

7.338.5 Friends And Related Function Documentation

7.338.5.1 ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper

```
template<typename T >
friend class ::PROTOBUF_NAMESPACE_ID::Arena::InternalHelper [friend]
```

7.338.5.2 ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata

```
friend class ::PROTOBUF_NAMESPACE_ID::internal::AnyMetadata [friend]
```

7.338.5.3 ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot

```
friend struct ::TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eprot [friend]
```

7.338.5.4 swap

```
void swap (
    VerifyRequest & a,
    VerifyRequest & b ) [friend]
```

7.338.6 Member Data Documentation

7.338.6.1 class_data

```
const ::PROTOBUF_NAMESPACE_ID::Message::ClassData briar::VerifyRequest::_class_data_ [static]
```

Initial value:

```
= {
    ::PROTOBUF_NAMESPACE_ID::Message::CopyWithSizeCheck,
    VerifyRequest::MergeImpl
}
```

7.338.6.2 kIndexInFileMessages

```
constexpr int briar::VerifyRequest::kIndexInFileMessages [static], [constexpr]
```

Initial value:

```
= 37
```

7.338.6.3 reference

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest::reference [static], [constexpr]
```

Initial value:

```
= VerifyRequest_VerifyRole_reference
```

7.338.6.4 verify

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest::verify [static], [constexpr]
```

Initial value:

```
= VerifyRequest_VerifyRole_verify
```

7.338.6.5 VerifyRole_ARRAYSIZE

```
constexpr int briar::VerifyRequest::VerifyRole_ARRAYSIZE [static], [constexpr]
```

Initial value:

```
= VerifyRequest_VerifyRole_VerifyRole_ARRAYSIZE
```

7.338.6.6 VerifyRole_MAX

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest::VerifyRole_MAX [static], [constexpr]
```

Initial value:

```
= VerifyRequest_VerifyRole_VerifyRole_MAX
```

7.338.6.7 VerifyRole_MIN

```
constexpr VerifyRequest_VerifyRole briar::VerifyRequest::VerifyRole_MIN [static], [constexpr]
```

Initial value:

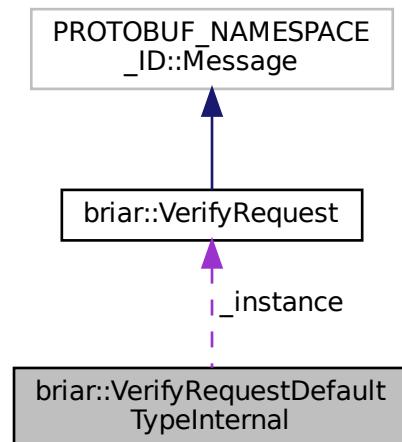
```
= VerifyRequest_VerifyRole_VerifyRole_MIN
```

The documentation for this class was generated from the following files:

- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.h](#)
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

7.339 briar::VerifyRequestDefaultTypeInternal Struct Reference

Collaboration diagram for briar::VerifyRequestDefaultTypeInternal:



Public Member Functions

- PROTOBUF_CONSTEXPR VerifyRequestDefaultTypeInternal ()
- [~VerifyRequestDefaultTypeInternal \(\)](#)

Public Attributes

- union {
 [VerifyRequest _instance](#)
};

7.339.1 Constructor & Destructor Documentation

7.339.1.1 VerifyRequestDefaultTypeInternal()

```
PROTOBUF_CONSTEXPR briar::VerifyRequestDefaultTypeInternal::VerifyRequestDefaultTypeInternal ( ) [inline]
```

7.339.1.2 ~VerifyRequestDefaultTypeInternal()

```
briar::VerifyRequestDefaultTypeInternal::~VerifyRequestDefaultTypeInternal ( ) [inline]
```

7.339.2 Member Data Documentation

7.339.2.1

```
union { ... }
```

7.339.2.2 _instance

```
VerifyRequest briar::VerifyRequestDefaultTypeInternal::_instance
```

The documentation for this struct was generated from the following file:

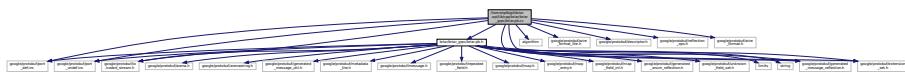
- /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/[briar_service.pb.cc](#)

Chapter 8

File Documentation

8.1 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.cc File Reference

```
#include "briar/briar_grpc/briar.pb.h"
#include <algorithm>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/wire_format_lite.h>
#include <google/protobuf/descriptor.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/reflection_ops.h>
#include <google/protobuf/wire_format.h>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
Include dependency graph for briar.pb.cc:
```



Classes

- class [briar::BriarProgress::_Internal](#)
- class [briar::BriarPoint2D::_Internal](#)
- class [briar::Attribute::_Internal](#)
- class [briar::BriarVector::_Internal](#)
- class [briar::BriarMatrix::_Internal](#)
- class [briar::FrameMetadata::_Internal](#)
- class [briar::BriarRect::_Internal](#)
- class [briar::VerifyOptions::_Internal](#)
- class [briar::SearchOptions::_Internal](#)
- class [briar::EnrollOptions::_Internal](#)
- class [briar::BriarMedia::_Internal](#)
- class [briar::FloatOption::_Internal](#)
- class [briar::IntOption::_Internal](#)
- class [briar::APIVersion::_Internal](#)

- class briar::StringOption::_Internal
- class briar::BoolOption::_Internal
- class briar::TemplateListGroup::_Internal
- class briar::BriarDurationsList::_Internal
- class briar::BriarDurations::_Internal
- class briar::BriarDuration::_Internal
- class briar::ClusterConfidence::_Internal
- class briar::ClusterIds::_Internal
- class briar::TemplateIds::_Internal
- class briar::BriarDatabaseInfo::_Internal
- class briar::BriarDatabase::_Internal
- class briar::VerifyMatchList::_Internal
- class briar::SearchMatchList::_Internal
- class briar::VerifyMatchInfo::_Internal
- class briar::SearchMatchInfo::_Internal
- class briar::RecordList::_Internal
- class briar::Record::_Internal
- class briar::EnrollmentInfo::_Internal
- class briar::TemplateList::_Internal
- class briar::Detection::_Internal
- class briar::Tracklet::_Internal
- class briar::DetectionOptions::_Internal
- class briar::TrackingOptions::_Internal
- class briar::EnhanceOptions::_Internal
- class briar::ExtractOptions::_Internal
- class briar::TemplateImageInput::_Internal
- class briar::TemplateData::_Internal
- class briar::Template::_Internal
- class briar::MediaMetadata::_Internal
- struct briar::APIVersionDefaultTypeInternal
- struct briar::AttributeDefaultTypeInternal
- struct briar::BoolOptionDefaultTypeInternal
- struct briar::BriarDatabaseDefaultTypeInternal
- struct briar::BriarDatabaseInfoDefaultTypeInternal
- struct briar::BriarDurationDefaultTypeInternal
- struct briar::BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal
- struct briar::BriarDurationsDefaultTypeInternal
- struct briar::BriarDurationsListDefaultTypeInternal
- struct briar::BriarMatrixDefaultTypeInternal
- struct briar::BriarMediaDefaultTypeInternal
- struct briar::BriarPoint2DDefaultTypeInternal
- struct briar::BriarProgressDefaultTypeInternal
- struct briar::BriarRectDefaultTypeInternal
- struct briar::BriarVectorDefaultTypeInternal
- struct briar::ClusterConfidenceDefaultTypeInternal
- struct briar::ClusterIdsDefaultTypeInternal
- struct briar::DetectionDefaultTypeInternal
- struct briar::DetectionOptionsDefaultTypeInternal
- struct briar::EnhanceOptionsDefaultTypeInternal
- struct briar::EnrollmentInfoDefaultTypeInternal
- struct briar::EnrollOptionsDefaultTypeInternal
- struct briar::ExtractOptionsDefaultTypeInternal
- struct briar::FloatOptionDefaultTypeInternal
- struct briar::FrameMetadataDefaultTypeInternal
- struct briar::IntOptionDefaultTypeInternal

- struct briar::MediaMetadataDefaultTypeInternal
 - struct briar::Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal
 - struct briar::Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal
 - struct briar::RecordDefaultTypeInternal
 - struct briar::RecordListDefaultTypeInternal
 - struct briar::SearchMatchInfoDefaultTypeInternal
 - struct briar::SearchMatchListDefaultTypeInternal
 - struct briar::SearchOptionsDefaultTypeInternal
 - struct briar::StringOptionDefaultTypeInternal
 - struct briar::TemplateDataDefaultTypeInternal
 - struct briar::TemplateDefaultTypeInternal
 - struct briar::TemplateIdsDefaultTypeInternal
 - struct briar::TemplateImageInputDefaultTypeInternal
 - struct briar::TemplateListDefaultTypeInternal
 - struct briar::TemplateListGroupDefaultTypeInternal
 - struct briar::TrackingOptionsDefaultTypeInternal
 - struct briar::TrackletDefaultTypeInternal
 - struct briar::VerifyMatchInfoDefaultTypeInternal
 - struct briar::VerifyMatchListDefaultTypeInternal
 - struct briar::VerifyOptionsDefaultTypeInternal

Namespaces

- briar

Macros

Functions

- template<> PROTOBUF_NAMESPACE_OPEN PROTOBUF_NOINLINE ::briar::APIVersion * Arena::CreateMaybeMessage<(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::Attribute * Arena::CreateMaybeMessage< ::briar::Attribute >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BoolOption * Arena::CreateMaybeMessage< ::briar::BoolOption >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDatabase * Arena::CreateMaybeMessage< ::briar::BriarDatabase >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDatabaseInfo * Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDuration * Arena::CreateMaybeMessage< ::briar::BriarDuration >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDurations * Arena::CreateMaybeMessage< ::briar::BriarDurations >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDurations_SubDurationsEntry_DoNotUse * Arena::CreateMaybeMessage<(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarDurationsList * Arena::CreateMaybeMessage< ::briar::BriarDurationsList >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarMatrix * Arena::CreateMaybeMessage< ::briar::BriarMatrix >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarMedia * Arena::CreateMaybeMessage< ::briar::BriarMedia >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarPoint2D * Arena::CreateMaybeMessage< ::briar::BriarPoint2D >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarProgress * Arena::CreateMaybeMessage< ::briar::BriarProgress >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarRect * Arena::CreateMaybeMessage< ::briar::BriarRect >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::BriarVector * Arena::CreateMaybeMessage< ::briar::BriarVector >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::ClusterConfidence * Arena::CreateMaybeMessage< ::briar::ClusterConfidence >(Arena *arena)
 - template<> PROTOBUF_NOINLINE ::briar::ClusterIds * Arena::CreateMaybeMessage< ::briar::ClusterIds >(Arena *arena)

- template<> PROTOBUF_NOINLINE ::briar::Detection * Arena::CreateMaybeMessage< ::briar::Detection > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::DetectionOptions * Arena::CreateMaybeMessage< ::briar::DetectionOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::EnhanceOptions * Arena::CreateMaybeMessage< ::briar::EnhanceOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::EnrollmentInfo * Arena::CreateMaybeMessage< ::briar::EnrollmentInfo > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::EnrollOptions * Arena::CreateMaybeMessage< ::briar::EnrollOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::ExtractOptions * Arena::CreateMaybeMessage< ::briar::ExtractOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::FloatOption * Arena::CreateMaybeMessage< ::briar::FloatOption > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::FrameMetadata * Arena::CreateMaybeMessage< ::briar::FrameMetadata > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::IntOption * Arena::CreateMaybeMessage< ::briar::IntOption > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::MediaMetadata * Arena::CreateMaybeMessage< ::briar::MediaMetadata > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::Record * Arena::CreateMaybeMessage< ::briar::Record > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::Record_MediaPreviewsEntry_DoNotUse * Arena::CreateMaybeMessage< ::briar::Record_MediaPreviewsEntry_DoNotUse > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::Record_SubjectPreviewsEntry_DoNotUse * Arena::CreateMaybeMessage< ::briar::Record_SubjectPreviewsEntry_DoNotUse > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::RecordList * Arena::CreateMaybeMessage< ::briar::RecordList > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::SearchMatchInfo * Arena::CreateMaybeMessage< ::briar::SearchMatchInfo > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::SearchMatchList * Arena::CreateMaybeMessage< ::briar::SearchMatchList > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::SearchOptions * Arena::CreateMaybeMessage< ::briar::SearchOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::StringOption * Arena::CreateMaybeMessage< ::briar::StringOption > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::Template * Arena::CreateMaybeMessage< ::briar::Template > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TemplateData * Arena::CreateMaybeMessage< ::briar::TemplateData > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TemplateIds * Arena::CreateMaybeMessage< ::briar::TemplateIds > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TemplateImageInput * Arena::CreateMaybeMessage< ::briar::TemplateImageInput > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TemplateList * Arena::CreateMaybeMessage< ::briar::TemplateList > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TemplateListGroup * Arena::CreateMaybeMessage< ::briar::TemplateListGroup > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::TrackingOptions * Arena::CreateMaybeMessage< ::briar::TrackingOptions > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::Tracklet * Arena::CreateMaybeMessage< ::briar::Tracklet > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::VerifyMatchInfo * Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo > (Arena *arena)
- template<> PROTOBUF_NOINLINE ::briar::VerifyMatchList * Arena::CreateMaybeMessage< ::briar::VerifyMatchList > (Arena *arena)

- template<> PROTOBUF_NOINLINE ::briar::VerifyOptions * Arena::CreateMaybeMessage< ::briar::VerifyOptions > (Arena *arena)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BiometricModality_descriptor ()
- bool briar::BiometricModality_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarDataType_descriptor ()
- bool briar::BriarDataType_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarMedia_DataType_descriptor ()
- bool briar::BriarMedia_DataType_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarServiceStatus_descriptor ()
- bool briar::BriarServiceStatus_IsValid (int value)
- PROTOBUF_ATTRIBUTE_WEAKconst ::_pbi::DescriptorTable * descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto_getter ()
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EnrollFlags_descriptor ()
- bool briar::EnrollFlags_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EntryType_descriptor ()
- bool briar::EntryType_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::ExtractFlags_descriptor ()
- bool briar::ExtractFlags_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::FeatureVectorType_descriptor ()
- bool briar::FeatureVectorType_IsValid (int value)
- const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto::offsets[] PROTOBUF_SECTION_VARIABLE (protodesc_cold)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::SearchFlags_descriptor ()
- bool briar::SearchFlags_IsValid (int value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::VerifyFlags_descriptor ()
- bool briar::VerifyFlags_IsValid (int value)

Variables

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 APIVersionDefaultTypeInternal briar::_APIVersion_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 AttributeDefaultTypeInternal briar::_Attribute_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BoolOptionDefaultTypeInternal briar::_BoolOption_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDatabaseDefaultTypeInternal briar::_BriarDatabase_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDatabaseInfoDefaultTypeInternal briar::_BriarDatabaseInfo_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDurationDefaultTypeInternal briar::_BriarDuration_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDurationsDefaultTypeInternal briar::_BriarDurations_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDurations_SubDurationsEntry_DoNotUseDefaultTypeInternal briar::_BriarDurations_SubDurationsEntry_DoNotUseDefaultType_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarDurationsListDefaultTypeInternal briar::_BriarDurationsList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarMatrixDefaultTypeInternal briar::_BriarMatrix_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarMediaDefaultTypeInternal briar::_BriarMedia_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarPoint2DDefaultTypeInternal briar::_BriarPoint2D_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵ PRIORITY1 BriarProgressDefaultTypeInternal briar::_BriarProgress_default_instance_

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 BriarRectDefaultTypeInternal [briar::_BriarRect_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 BriarVectorDefaultTypeInternal [briar::_BriarVector_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 ClusterConfidenceDefaultTypeInternal [briar::_ClusterConfidence_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 ClusterIdsDefaultTypeInternal [briar::_ClusterIds_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 DetectionDefaultTypeInternal [briar::_Detection_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 DetectionOptionsDefaultTypeInternal [briar::_DetectionOptions_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 EnhanceOptionsDefaultTypeInternal [briar::_EnhanceOptions_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 EnrollmentInfoDefaultTypeInternal [briar::_EnrollmentInfo_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 EnrollOptionsDefaultTypeInternal [briar::_EnrollOptions_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 ExtractOptionsDefaultTypeInternal [briar::_ExtractOptions_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 FloatOptionDefaultTypeInternal [briar::_FloatOption_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 FrameMetadataDefaultTypeInternal [briar::_FrameMetadata_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 IntOptionDefaultTypeInternal [briar::_IntOption_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 MediaMetadataDefaultTypeInternal [briar::_MediaMetadata_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 RecordDefaultTypeInternal [briar::_Record_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 Record_MediaPreviewsEntry_DoNotUseDefaultTypeInternal [briar::_Record_MediaPreviewsEntry_DoNotUse_defa](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 Record_SubjectPreviewsEntry_DoNotUseDefaultTypeInternal [briar::_Record_SubjectPreviewsEntry_DoNotUse_o](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 RecordListDefaultTypeInternal [briar::_RecordList_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchMatchInfoDefaultTypeInternal [briar::_SearchMatchInfo_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchMatchListDefaultTypeInternal [briar::_SearchMatchList_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 SearchOptionsDefaultTypeInternal [briar::_SearchOptions_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 StringOptionDefaultTypeInternal [briar::_StringOption_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateDefaultTypeInternal [briar::_Template_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateDataDefaultTypeInternal [briar::_TemplateData_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateIdsDefaultTypeInternal [briar::_TemplateIds_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateImageInputDefaultTypeInternal [briar::_TemplateImageInput_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateListDefaultTypeInternal [briar::_TemplateList_default_instance_](#)
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT ↵ PRIORITY1 TemplateListGroupDefaultTypeInternal [briar::_TemplateListGroup_default_instance_](#)

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 TrackingOptionsDefaultTypeInternal briar::TrackingOptions_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 TrackletDefaultTypeInternal briar::Tracklet_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyMatchInfoDefaultTypeInternal briar::VerifyMatchInfo_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyMatchListDefaultTypeInternal briar::VerifyMatchList_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ↵
PRIORITY1 VerifyOptionsDefaultTypeInternal briar::VerifyOptions_default_instance_
- const ::_pbi::DescriptorTable descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto

8.1.1 Macro Definition Documentation

8.1.1.1 **CHK_** [1/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.2 **CHK_** [2/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.3 **CHK_** [3/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.4 **CHK_** [4/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.5 **CHK_** [5/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.6 **CHK_** [6/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.7 **CHK_** [7/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.8 **CHK_** [8/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.9 **CHK_** [9/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.10 **CHK_** [10/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.11 **CHK_** [11/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.12 **CHK_** [12/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.13 `CHK_` [13/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.14 `CHK_` [14/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.15 `CHK_` [15/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.16 `CHK_` [16/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.17 `CHK_` [17/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.18 `CHK_` [18/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.19 `CHK_` [19/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.20 `CHK_` [20/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.21 `CHK_` [21/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.22 `CHK_` [22/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.23 `CHK_` [23/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.24 `CHK_` [24/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.25 `CHK_` [25/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.26 `CHK_` [26/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.27 `CHK_` [27/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.28 `CHK_` [28/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.29 `CHK_` [29/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.30 `CHK_` [30/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.31 `CHK_` [31/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.32 `CHK_` [32/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.33 `CHK_` [33/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.34 `CHK_` [34/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.35 `CHK_` [35/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.36 `CHK_` [36/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.37 `CHK_` [37/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.38 `CHK_` [38/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.39 `CHK_` [39/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.40 `CHK_` [40/43]

```
#define CHK_(
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.41 **CHK_** [41/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.42 **CHK_** [42/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.1.43 **CHK_** [43/43]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.1.2 Function Documentation

8.1.2.1 **Arena::CreateMaybeMessage< ::briar::APIVersion >()**

```
template<>  
PROTOBUF_NAMESPACE_OPEN PROTOBUF_NOINLINE ::briar::APIVersion* Arena::CreateMaybeMessage< ↵  
::briar::APIVersion > (  
    Arena * arena )
```

8.1.2.2 **Arena::CreateMaybeMessage< ::briar::Attribute >()**

```
template<>  
PROTOBUF_NOINLINE ::briar::Attribute* Arena::CreateMaybeMessage< ::briar::Attribute > (   
    Arena * arena )
```

8.1.2.3 **Arena::CreateMaybeMessage< ::briar::BoolOption >()**

```
template<>  
PROTOBUF_NOINLINE ::briar::BoolOption* Arena::CreateMaybeMessage< ::briar::BoolOption > (   
    Arena * arena )
```

8.1.2.4 Arena::CreateMaybeMessage< ::briar::BriarDatabase >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDatabase* Arena::CreateMaybeMessage< ::briar::BriarDatabase >
(
    Arena * arena )
```

8.1.2.5 Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDatabaseInfo* Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >
(
    Arena * arena )
```

8.1.2.6 Arena::CreateMaybeMessage< ::briar::BriarDuration >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDuration* Arena::CreateMaybeMessage< ::briar::BriarDuration >
(
    Arena * arena )
```

8.1.2.7 Arena::CreateMaybeMessage< ::briar::BriarDurations >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDurations* Arena::CreateMaybeMessage< ::briar::BriarDurations >
(
    Arena * arena )
```

8.1.2.8 Arena::CreateMaybeMessage< ::briar::BriarDurations_SubDurationsEntry_DoNotUse >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDurations_SubDurationsEntry_DoNotUse* Arena::CreateMaybeMessage< ::briar::BriarDurations_SubDurationsEntry_DoNotUse >
(
    Arena * arena )
```

8.1.2.9 Arena::CreateMaybeMessage< ::briar::BriarDurationsList >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarDurationsList* Arena::CreateMaybeMessage< ::briar::BriarDurationsList >
(
    Arena * arena )
```

8.1.2.10 Arena::CreateMaybeMessage< ::briar::BriarMatrix >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarMatrix* Arena::CreateMaybeMessage< ::briar::BriarMatrix > (
    Arena * arena )
```

8.1.2.11 Arena::CreateMaybeMessage< ::briar::BriarMedia >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarMedia* Arena::CreateMaybeMessage< ::briar::BriarMedia > (
    Arena * arena )
```

8.1.2.12 Arena::CreateMaybeMessage< ::briar::BriarPoint2D >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarPoint2D* Arena::CreateMaybeMessage< ::briar::BriarPoint2D > (
    Arena * arena )
```

8.1.2.13 Arena::CreateMaybeMessage< ::briar::BriarProgress >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarProgress* Arena::CreateMaybeMessage< ::briar::BriarProgress > (
    Arena * arena )
```

8.1.2.14 Arena::CreateMaybeMessage< ::briar::BriarRect >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarRect* Arena::CreateMaybeMessage< ::briar::BriarRect > (
    Arena * arena )
```

8.1.2.15 Arena::CreateMaybeMessage< ::briar::BriarVector >()

```
template<>
PROTOBUF_NOINLINE ::briar::BriarVector* Arena::CreateMaybeMessage< ::briar::BriarVector > (
    Arena * arena )
```

8.1.2.16 Arena::CreateMaybeMessage< ::briar::ClusterConfidence >()

```
template<>
PROTOBUF_NOINLINE ::briar::ClusterConfidence* Arena::CreateMaybeMessage< ::briar::ClusterConfidence
> (
    Arena * arena )
```

8.1.2.17 Arena::CreateMaybeMessage< ::briar::ClusterIds >()

```
template<>
PROTOBUF_NOINLINE ::briar::ClusterIds* Arena::CreateMaybeMessage< ::briar::ClusterIds > (
    Arena * arena )
```

8.1.2.18 Arena::CreateMaybeMessage< ::briar::Detection >()

```
template<>
PROTOBUF_NOINLINE ::briar::Detection* Arena::CreateMaybeMessage< ::briar::Detection > (
    Arena * arena )
```

8.1.2.19 Arena::CreateMaybeMessage< ::briar::DetectionOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::DetectionOptions* Arena::CreateMaybeMessage< ::briar::DetectionOptions
> (
    Arena * arena )
```

8.1.2.20 Arena::CreateMaybeMessage< ::briar::EnhanceOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnhanceOptions* Arena::CreateMaybeMessage< ::briar::EnhanceOptions
> (
    Arena * arena )
```

8.1.2.21 Arena::CreateMaybeMessage< ::briar::EnrollmentInfo >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnrollmentInfo* Arena::CreateMaybeMessage< ::briar::EnrollmentInfo
> (
    Arena * arena )
```

8.1.2.22 Arena::CreateMaybeMessage< ::briar::EnrollOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnrollOptions* Arena::CreateMaybeMessage< ::briar::EnrollOptions >
(
    Arena * arena )
```

8.1.2.23 Arena::CreateMaybeMessage< ::briar::ExtractOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::ExtractOptions* Arena::CreateMaybeMessage< ::briar::ExtractOptions >
(
    Arena * arena )
```

8.1.2.24 Arena::CreateMaybeMessage< ::briar::FloatOption >()

```
template<>
PROTOBUF_NOINLINE ::briar::FloatOption* Arena::CreateMaybeMessage< ::briar::FloatOption > (
    Arena * arena )
```

8.1.2.25 Arena::CreateMaybeMessage< ::briar::FrameMetadata >()

```
template<>
PROTOBUF_NOINLINE ::briar::FrameMetadata* Arena::CreateMaybeMessage< ::briar::FrameMetadata >
(
    Arena * arena )
```

8.1.2.26 Arena::CreateMaybeMessage< ::briar::IntOption >()

```
template<>
PROTOBUF_NOINLINE ::briar::IntOption* Arena::CreateMaybeMessage< ::briar::IntOption > (
    Arena * arena )
```

8.1.2.27 Arena::CreateMaybeMessage< ::briar::MediaMetadata >()

```
template<>
PROTOBUF_NOINLINE ::briar::MediaMetadata* Arena::CreateMaybeMessage< ::briar::MediaMetadata >
(
    Arena * arena )
```

8.1.2.28 Arena::CreateMaybeMessage< ::briar::Record >()

```
template<>
PROTOBUF_NOINLINE ::briar::Record* Arena::CreateMaybeMessage< ::briar::Record > (
    Arena * arena )
```

8.1.2.29 Arena::CreateMaybeMessage< ::briar::Record_MediaPreviewsEntry_DoNotUse >()

```
template<>
PROTOBUF_NOINLINE ::briar::Record_MediaPreviewsEntry_DoNotUse* Arena::CreateMaybeMessage< ::briar::Record_MediaPreviewsEntry_DoNotUse > (
    Arena * arena )
```

8.1.2.30 Arena::CreateMaybeMessage< ::briar::Record_SubjectPreviewsEntry_DoNotUse >()

```
template<>
PROTOBUF_NOINLINE ::briar::Record_SubjectPreviewsEntry_DoNotUse* Arena::CreateMaybeMessage< ::briar::Record_SubjectPreviewsEntry_DoNotUse > (
    Arena * arena )
```

8.1.2.31 Arena::CreateMaybeMessage< ::briar::RecordList >()

```
template<>
PROTOBUF_NOINLINE ::briar::RecordList* Arena::CreateMaybeMessage< ::briar::RecordList > (
    Arena * arena )
```

8.1.2.32 Arena::CreateMaybeMessage< ::briar::SearchMatchInfo >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchMatchInfo* Arena::CreateMaybeMessage< ::briar::SearchMatchInfo > (
    Arena * arena )
```

8.1.2.33 Arena::CreateMaybeMessage< ::briar::SearchMatchList >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchMatchList* Arena::CreateMaybeMessage< ::briar::SearchMatchList > (
    Arena * arena )
```

8.1.2.34 Arena::CreateMaybeMessage< ::briar::SearchOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchOptions* Arena::CreateMaybeMessage< ::briar::SearchOptions > (
    Arena * arena )
```

8.1.2.35 Arena::CreateMaybeMessage< ::briar::StringOption >()

```
template<>
PROTOBUF_NOINLINE ::briar::StringOption* Arena::CreateMaybeMessage< ::briar::StringOption > (
    Arena * arena )
```

8.1.2.36 Arena::CreateMaybeMessage< ::briar::Template >()

```
template<>
PROTOBUF_NOINLINE ::briar::Template* Arena::CreateMaybeMessage< ::briar::Template > (
    Arena * arena )
```

8.1.2.37 Arena::CreateMaybeMessage< ::briar::TemplateData >()

```
template<>
PROTOBUF_NOINLINE ::briar::TemplateData* Arena::CreateMaybeMessage< ::briar::TemplateData > (
    Arena * arena )
```

8.1.2.38 Arena::CreateMaybeMessage< ::briar::TemplateIds >()

```
template<>
PROTOBUF_NOINLINE ::briar::TemplateIds* Arena::CreateMaybeMessage< ::briar::TemplateIds > (
    Arena * arena )
```

8.1.2.39 Arena::CreateMaybeMessage< ::briar::TemplateImageInput >()

```
template<>
PROTOBUF_NOINLINE ::briar::TemplateImageInput* Arena::CreateMaybeMessage< ::briar::TemplateImageInput > (
    Arena * arena )
```

8.1.2.40 Arena::CreateMaybeMessage< ::briar::TemplateList >()

```
template<>
PROTOBUF_NOINLINE ::briar::TemplateList* Arena::CreateMaybeMessage< ::briar::TemplateList > (
    Arena * arena )
```

8.1.2.41 Arena::CreateMaybeMessage< ::briar::TemplateListGroup >()

```
template<>
PROTOBUF_NOINLINE ::briar::TemplateListGroup* Arena::CreateMaybeMessage< ::briar::TemplateListGroup > (
    Arena * arena )
```

8.1.2.42 Arena::CreateMaybeMessage< ::briar::TrackingOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::TrackingOptions* Arena::CreateMaybeMessage< ::briar::TrackingOptions > (
    Arena * arena )
```

8.1.2.43 Arena::CreateMaybeMessage< ::briar::Tracklet >()

```
template<>
PROTOBUF_NOINLINE ::briar::Tracklet* Arena::CreateMaybeMessage< ::briar::Tracklet > (
    Arena * arena )
```

8.1.2.44 Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyMatchInfo* Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo > (
    Arena * arena )
```

8.1.2.45 Arena::CreateMaybeMessage< ::briar::VerifyMatchList >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyMatchList* Arena::CreateMaybeMessage< ::briar::VerifyMatchList > (
    Arena * arena )
```

8.1.2.46 Arena::CreateMaybeMessage< ::briar::VerifyOptions >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyOptions* Arena::CreateMaybeMessage< ::briar::VerifyOptions >
(
    Arena * arena )
```

8.1.2.47 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto_getter()

```
PROTOBUF_ATTRIBUTE_WEAK const ::pbi::DescriptorTable* descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto_getter ( )
```

8.1.2.48 PROTOBUF_SECTION_VARIABLE()

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto::offsets [ ] PROTOBUF_SECTION_VARIABLE (
    protodesc_cold )
```

8.1.3 Variable Documentation

8.1.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
static PROTOBUF_ATTRIBUTE_INIT_PRIORITY2::pbi::AddDescriptorsRunner dynamic_init_dummy_2fbriar_5fgrpc_2fbriar_2eproto & descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto
```

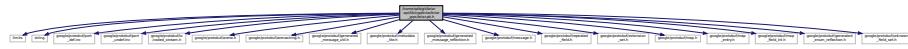
Initial value:

```
= {
    false, false, 10118, descriptor_table_protodef_briar_2fbriar_5fgrpc_2fbriar_2eproto,
    "briar/briar_grpc/briar.proto",
    &descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto_once, nullptr, 0, 46,
    schemas, file_default_instances, TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto::offsets,
    file_level_metadata_briar_2fbriar_5fgrpc_2fbriar_2eproto,
    file_level_enum_descriptors_briar_2fbriar_5fgrpc_2fbriar_2eproto,
    file_level_service_descriptors_briar_2fbriar_5fgrpc_2fbriar_2eproto,
}
```

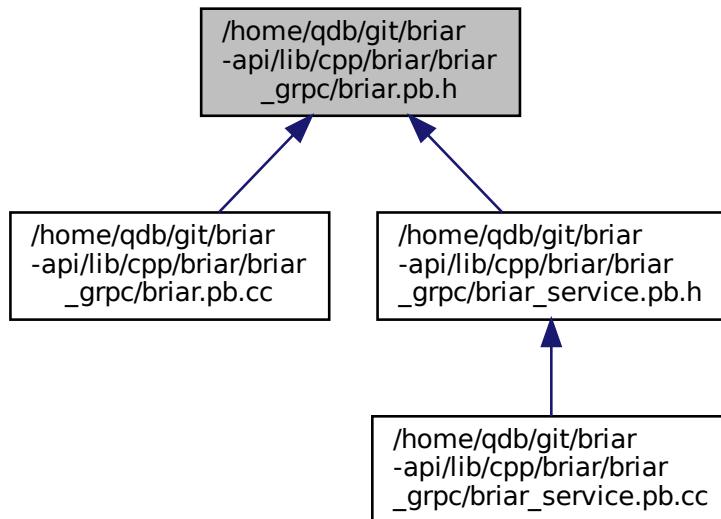
8.2 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar.pb.h File Reference

```
#include <limits>
#include <string>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/arena.h>
#include <google/protobuf/arenastring.h>
#include <google/protobuf/generated_message_util.h>
#include <google/protobuf/metadata_lite.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/message.h>
#include <google/protobuf/repeated_field.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/map.h>
#include <google/protobuf/map_entry.h>
#include <google/protobuf/map_field_inl.h>
#include <google/protobuf/generated_enum_reflection.h>
#include <google/protobuf/unknown_field_set.h>
```

Include dependency graph for briar.pb.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [briar::APIVersion](#)

- class briar::Attribute
- class briar::BoolOption
- class briar::BriarDatabase
- class briar::BriarDatabaseInfo
- class briar::BriarDuration
- class briar::BriarDurations
- class briar::BriarDurations_SubDurationsEntry_DoNotUse
- class briar::BriarDurationsList
- class briar::BriarMatrix
- class briar::BriarMedia
- class briar::BriarPoint2D
- class briar::BriarProgress
- class briar::BriarRect
- class briar::BriarVector
- class briar::ClusterConfidence
- class briar::ClusterIds
- class briar::Detection
- class briar::DetectionOptions
- class briar::EnhanceOptions
- class briar::EnrollmentInfo
- class briar::EnrollOptions
- class briar::ExtractOptions
- class briar::FloatOption
- class briar::FrameMetadata
- class briar::IntOption
- struct `is_proto_enum< ::briar::BiometricModality >`
- struct `is_proto_enum< ::briar::BriarDataType >`
- struct `is_proto_enum< ::briar::BriarMedia_DataType >`
- struct `is_proto_enum< ::briar::BriarServiceStatus >`
- struct `is_proto_enum< ::briar::EnrollFlags >`
- struct `is_proto_enum< ::briar::EntryType >`
- struct `is_proto_enum< ::briar::ExtractFlags >`
- struct `is_proto_enum< ::briar::FeatureVectorType >`
- struct `is_proto_enum< ::briar::SearchFlags >`
- struct `is_proto_enum< ::briar::VerifyFlags >`
- class briar::MediaMetadata
- class briar::Record
- class briar::Record_MediaPreviewsEntry_DoNotUse
- class briar::Record_SubjectPreviewsEntry_DoNotUse
- class briar::RecordList
- class briar::SearchMatchInfo
- class briar::SearchMatchList
- class briar::SearchOptions
- class briar::StringOption
- struct `TableStruct_briar_2fbriar_5fgrpc_2fbriar_2eproto`
- class briar::Template
- class briar::TemplateData
- class briar::TemplateIds
- class briar::TemplateImageInput
- class briar::TemplateList
- class briar::TemplateListGroup
- class briar::TrackingOptions
- class briar::Tracklet
- class briar::VerifyMatchInfo
- class briar::VerifyMatchList
- class briar::VerifyOptions

Namespaces

- briar
- internal

Macros

- #define PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_2eproto

Enumerations

- enum briar::BiometricModality : int {
 briar::UNSPECIFIED = 0 , briar::WHOLE_BODY = 1 , briar::FACE = 2 , briar::GAIT = 3 ,
 briar::BODY = 4 , briar::ANTHROPOMETRY = 5 , briar::HEAD = 6 , briar::BEHAVIOR = 7 ,
 briar::SOFT_BIOMETRICS = 8 , briar::FINGERPRINT = 9 , briar::IRIS = 10 , briar::VOICE = 11 ,
 briar::HAND = 12 , briar::EAR = 13 , briar::PALM = 14 , briar::OTHER = 15 ,
 briar::BiometricModality_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
 briar::BiometricModality_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }
- enum briar::BriarDataType : int {
 briar::EMPTY = 0 , briar::STRING = 1 , briar::INT = 2 , briar::FLOAT = 3 ,
 briar::BYTES = 4 , briar::VECTOR = 5 , briar::PICKLE = 6 , briar::XML = 7 ,
 briar::JSON = 8 , briar::MATRIX = 9 , briar::MEDIA = 11 , briar::POINT = 12 ,
 briar::RECT = 13 , briar::BUFFER = 14 , briar::BriarDataType_INT_MIN_SENTINEL_DO_NOT_USE_ =
 std::numeric_limits<int32_t>::min() , briar::BriarDataType_INT_MAX_SENTINEL_DO_NOT_USE_ =
 std::numeric_limits<int32_t>::max() }
- enum briar::BriarMedia_DataType : int {
 briar::BriarMedia_DataType_RGB8 = 0 , briar::BriarMedia_DataType_MONO8 = 1 , briar::BriarMedia_DataType_RGBA8 =
 2 , briar::BriarMedia_DataType_RGBA16 = 3 ,
 briar::BriarMedia_DataType_RGB16 = 4 , briar::BriarMedia_DataType_MONO16 = 5 , briar::BriarMedia_DataType_FLOAT32 =
 6 , briar::BriarMedia_DataType_URL = 7 ,
 briar::BriarMedia_DataType_PNG = 8 , briar::BriarMedia_DataType_JPG = 9 , briar::BriarMedia_DataType_RAW =
 10 , briar::BriarMedia_DataType_EPS = 11 ,
 briar::BriarMedia_DataType_TIF = 12 , briar::BriarMedia_DataType_GIF = 13 , briar::BriarMedia_DataType_MP4 =
 14 , briar::BriarMedia_DataType_MJPG = 15 ,
 briar::BriarMedia_DataType_H264 = 16 , briar::BriarMedia_DataType_H265 = 17 , briar::BriarMedia_DataType_GENERIC_IMA =
 18 , briar::BriarMedia_DataType_GENERIC_VIDEO = 19 ,
 briar::BriarMedia_DataType_SOURCE_ONLY = 20 , briar::BriarMedia_DataType_BriarMedia_DataType_INT_MIN_SENTINEL =
 std::numeric_limits<int32_t>::min() , briar::BriarMedia_DataType_BriarMedia_DataType_INT_MAX_SENTINEL_DO_NOT_U =
 std::numeric_limits<int32_t>::max() }
- enum briar::BriarServiceStatus : int {
 briar::UNKNOWN = 0 , briar::READY = 1 , briar::ERROR = 2 , briar::BUSY = 3 ,
 briar::BriarServiceStatus_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
 briar::BriarServiceStatus_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }
- enum briar::EnrollFlags : int {
 briar::ENROLL_FULL_IMAGE = 0 , briar::ENROLL_AUTO_DETECTION = 1 , briar::ENROLL_PROVIDED_DETECTION =
 2 , briar::ENROLL_PROVIDED_TEMPLATE = 3 ,
 briar::EnrollFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() , briar::EnrollFlags_INT_MAX =
 std::numeric_limits<int32_t>::max() }
- enum briar::EntryType : int {
 briar::ENTRY_TYPE_UNKNOWN = 0 , briar::ENTRY_TYPE_SUBJECT = 1 , briar::ENTRY_TYPE_MEDIA =
 2 , briar::EntryType_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
 briar::EntryType_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }
- enum briar::ExtractFlags : int {
 briar::EXTRACT_FULL_IMAGE = 0 , briar::EXTRACT_AUTO_DETECTION = 1 , briar::EXTRACT_PROVIDED_DETECTION =
 2 , briar::ExtractFlags_INT_MIN_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::min() ,
 briar::ExtractFlags_INT_MAX_SENTINEL_DO_NOT_USE_ = std::numeric_limits<int32_t>::max() }

- enum `briar::FeatureVectorType` : int {

`briar::BriarInt8 = 0` , `briar::BriarInt16 = 1` , `briar::BriarInt32 = 2` , `briar::BriarInt64 = 3` ,
 `briar::BriarUInt8 = 4` , `briar::BriarUInt16 = 5` , `briar::BriarUInt32 = 6` , `briar::BriarUInt64 = 7` ,
 `briar::BriarFloat = 8` , `briar::BriarDouble = 9` , `briar::FeatureVectorType_INT_MIN_SENTINEL_DO_NOT_USE_` =
 `std::numeric_limits<int32_t>::min()` , `briar::FeatureVectorType_INT_MAX_SENTINEL_DO_NOT_USE_` =
 `std::numeric_limits<int32_t>::max()` }
- enum `briar::SearchFlags` : int {

`briar::SEARCH_FULL_IMAGE = 0` , `briar::SEARCH_AUTO_DETECTION = 1` , `briar::SEARCH_PROVIDED_DETECTIONS` =
 `2` , `briar::SEARCH_PROVIDED_TEMPLATES = 3` ,
 `briar::SearchFlags_INT_MIN_SENTINEL_DO_NOT_USE_` = `std::numeric_limits<int32_t>::min()` ,
 `briar::SearchFlags_INT_MAX_SENTINEL_DO_NOT_USE_` = `std::numeric_limits<int32_t>::max()` }
- enum `briar::VerifyFlags` : int {

`briar::VERIFY_FULL_IMAGE = 0` , `briar::VERIFY_AUTO_DETECTION = 1` , `briar::VERIFY_PROVIDED_DETECTIONS` =
 `2` , `briar::VERIFY_PROVIDED_TEMPLATES = 3` ,
 `briar::VerifyFlags_INT_MIN_SENTINEL_DO_NOT_USE_` = `std::numeric_limits<int32_t>::min()` , `briar::VerifyFlags_INT_MAX_` =
 `std::numeric_limits<int32_t>::max()` }

Functions

- template<> PROTOBUF_NAMESPACE_OPEN ::briar::APIVersion * Arena::CreateMaybeMessage<::briar::APIVersion > (Arena *)
- template<> ::briar::Attribute * Arena::CreateMaybeMessage<::briar::Attribute > (Arena *)
- template<> ::briar::BoolOption * Arena::CreateMaybeMessage<::briar::BoolOption > (Arena *)
- template<> ::briar::BriarDatabase * Arena::CreateMaybeMessage<::briar::BriarDatabase > (Arena *)
- template<> ::briar::BriarDatabaseInfo * Arena::CreateMaybeMessage<::briar::BriarDatabaseInfo > (Arena *)
- template<> ::briar::BriarDuration * Arena::CreateMaybeMessage<::briar::BriarDuration > (Arena *)
- template<> ::briar::BriarDurations * Arena::CreateMaybeMessage<::briar::BriarDurations > (Arena *)
- template<> ::briar::BriarDurations_SubDurationsEntry_DoNotUse * Arena::CreateMaybeMessage<::briar::BriarDurations_Su > (Arena *)
- template<> ::briar::BriarDurationsList * Arena::CreateMaybeMessage<::briar::BriarDurationsList > (Arena *)
- template<> ::briar::BriarMatrix * Arena::CreateMaybeMessage<::briar::BriarMatrix > (Arena *)
- template<> ::briar::BriarMedia * Arena::CreateMaybeMessage<::briar::BriarMedia > (Arena *)
- template<> ::briar::BriarPoint2D * Arena::CreateMaybeMessage<::briar::BriarPoint2D > (Arena *)
- template<> ::briar::BriarProgress * Arena::CreateMaybeMessage<::briar::BriarProgress > (Arena *)
- template<> ::briar::BriarRect * Arena::CreateMaybeMessage<::briar::BriarRect > (Arena *)
- template<> ::briar::BriarVector * Arena::CreateMaybeMessage<::briar::BriarVector > (Arena *)
- template<> ::briar::ClusterConfidence * Arena::CreateMaybeMessage<::briar::ClusterConfidence > (Arena *)
- template<> ::briar::ClusterIds * Arena::CreateMaybeMessage<::briar::ClusterIds > (Arena *)
- template<> ::briar::Detection * Arena::CreateMaybeMessage<::briar::Detection > (Arena *)
- template<> ::briar::DetectionOptions * Arena::CreateMaybeMessage<::briar::DetectionOptions > (Arena *)
- template<> ::briar::EnhanceOptions * Arena::CreateMaybeMessage<::briar::EnhanceOptions > (Arena *)
- template<> ::briar::EnrollmentInfo * Arena::CreateMaybeMessage<::briar::EnrollmentInfo > (Arena *)
- template<> ::briar::EnrollOptions * Arena::CreateMaybeMessage<::briar::EnrollOptions > (Arena *)
- template<> ::briar::ExtractOptions * Arena::CreateMaybeMessage<::briar::ExtractOptions > (Arena *)
- template<> ::briar::FloatOption * Arena::CreateMaybeMessage<::briar::FloatOption > (Arena *)
- template<> ::briar::FrameMetadata * Arena::CreateMaybeMessage<::briar::FrameMetadata > (Arena *)
- template<> ::briar::IntOption * Arena::CreateMaybeMessage<::briar::IntOption > (Arena *)
- template<> ::briar::MediaMetadata * Arena::CreateMaybeMessage<::briar::MediaMetadata > (Arena *)
- template<> ::briar::Record * Arena::CreateMaybeMessage<::briar::Record > (Arena *)
- template<> ::briar::Record_MediaPreviewsEntry_DoNotUse * Arena::CreateMaybeMessage<::briar::Record_MediaPreviews > (Arena *)

- template<> ::briar::Record_SubjectPreviewsEntry_DoNotUse * Arena::CreateMaybeMessage<::briar::Record_SubjectPreviewsEntry> (Arena *)
- template<> ::briar::RecordList * Arena::CreateMaybeMessage<::briar::RecordList> (Arena *)
- template<> ::briar::SearchMatchInfo * Arena::CreateMaybeMessage<::briar::SearchMatchInfo> (Arena *)
- template<> ::briar::SearchMatchList * Arena::CreateMaybeMessage<::briar::SearchMatchList> (Arena *)
- template<> ::briar::SearchOptions * Arena::CreateMaybeMessage<::briar::SearchOptions> (Arena *)
- template<> ::briar::StringOption * Arena::CreateMaybeMessage<::briar::StringOption> (Arena *)
- template<> ::briar::Template * Arena::CreateMaybeMessage<::briar::Template> (Arena *)
- template<> ::briar::TemplateData * Arena::CreateMaybeMessage<::briar::TemplateData> (Arena *)
- template<> ::briar::TemplateIds * Arena::CreateMaybeMessage<::briar::TemplateIds> (Arena *)
- template<> ::briar::TemplateImageInput * Arena::CreateMaybeMessage<::briar::TemplateImageInput> (Arena *)
- template<> ::briar::TemplateList * Arena::CreateMaybeMessage<::briar::TemplateList> (Arena *)
- template<> ::briar::TemplateListGroup * Arena::CreateMaybeMessage<::briar::TemplateListGroup> (Arena *)
- template<> ::briar::TrackingOptions * Arena::CreateMaybeMessage<::briar::TrackingOptions> (Arena *)
- template<> ::briar::Tracklet * Arena::CreateMaybeMessage<::briar::Tracklet> (Arena *)
- template<> ::briar::VerifyMatchInfo * Arena::CreateMaybeMessage<::briar::VerifyMatchInfo> (Arena *)
- template<> ::briar::VerifyMatchList * Arena::CreateMaybeMessage<::briar::VerifyMatchList> (Arena *)
- template<> ::briar::VerifyOptions * Arena::CreateMaybeMessage<::briar::VerifyOptions> (Arena *)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BiometricModality_descriptor()
- bool briar::BiometricModality_IsValid (int value)
- template<typename T>
const std::string & briar::BiometricModality_Name (T enum_t_value)
- bool briar::BiometricModality_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, BiometricModality *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarDataType_descriptor()
- bool briar::BriarDataType_IsValid (int value)
- template<typename T>
const std::string & briar::BriarDataType_Name (T enum_t_value)
- bool briar::BriarDataType_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, BriarDataType *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarMedia_DataType_descriptor()
- bool briar::BriarMedia_DataType_IsValid (int value)
- template<typename T>
const std::string & briar::BriarMedia_DataType_Name (T enum_t_value)
- bool briar::BriarMedia_DataType_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, BriarMedia_DataType *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarServiceStatus_descriptor()
- bool briar::BriarServiceStatus_IsValid (int value)
- template<typename T>
const std::string & briar::BriarServiceStatus_Name (T enum_t_value)
- bool briar::BriarServiceStatus_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, BriarServiceStatus *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EnrollFlags_descriptor()
- bool briar::EnrollFlags_IsValid (int value)
- template<typename T>
const std::string & briar::EnrollFlags_Name (T enum_t_value)
- bool briar::EnrollFlags_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, EnrollFlags *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::EntryType_descriptor()
- bool briar::EntryType_IsValid (int value)
- template<typename T>
const std::string & briar::EntryType_Name (T enum_t_value)
- bool briar::EntryType_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, EntryType *value)

- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::ExtractFlags_descriptor ()
- bool briar::ExtractFlags_IsValid (int value)
- template<typename T >
const std::string & briar::ExtractFlags_Name (T enum_t_value)
- bool briar::ExtractFlags_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, ExtractFlags *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::FeatureVectorType_descriptor ()
- bool briar::FeatureVectorType_IsValid (int value)
- template<typename T >
const std::string & briar::FeatureVectorType_Name (T enum_t_value)
- bool briar::FeatureVectorType_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, FeatureVectorType *value)
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::BiometricModality > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::BriarDataType > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::BriarMedia_DataType > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::BriarServiceStatus > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::EnrollFlags > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::EntryType > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::ExtractFlags > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::FeatureVectorType > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::SearchFlags > ()
- template<> const EnumDescriptor * GetEnumDescriptor< ::briar::VerifyFlags > ()
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::SearchFlags_descriptor ()
- bool briar::SearchFlags_IsValid (int value)
- template<typename T >
const std::string & briar::SearchFlags_Name (T enum_t_value)
- bool briar::SearchFlags_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, SearchFlags *value)
- const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::VerifyFlags_descriptor ()
- bool briar::VerifyFlags_IsValid (int value)
- template<typename T >
const std::string & briar::VerifyFlags_Name (T enum_t_value)
- bool briar::VerifyFlags_Parse (::PROTOBUF_NAMESPACE_ID::ConstStringParam name, VerifyFlags *value)

Variables

- constexpr int briar::BiometricModality_ARRAYSIZE = BiometricModality_MAX + 1
- constexpr BiometricModality briar::BiometricModality_MAX = OTHER
- constexpr BiometricModality briar::BiometricModality_MIN = UNSPECIFIED
- constexpr int briar::BriarDataType_ARRAYSIZE = BriarDataType_MAX + 1
- constexpr BriarDataType briar::BriarDataType_MAX = BUFFER
- constexpr BriarDataType briar::BriarDataType_MIN = EMPTY
- constexpr int briar::BriarMedia_DataType_DataType_ARRAYSIZE = BriarMedia_DataType_DataType_MAX + 1
- constexpr BriarMedia_DataType briar::BriarMedia_DataType_DataType_MAX = BriarMedia_DataType_SOURCE_ONLY
- constexpr BriarMedia_DataType briar::BriarMedia_DataType_DataType_MIN = BriarMedia_DataType_RGB8
- constexpr int briar::BriarServiceStatus_ARRAYSIZE = BriarServiceStatus_MAX + 1
- constexpr BriarServiceStatus briar::BriarServiceStatus_MAX = BUSY
- constexpr BriarServiceStatus briar::BriarServiceStatus_MIN = UNKNOWN
- const ::PROTOBUF_NAMESPACE_ID::internal::DescriptorTable descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto
- constexpr int briar::EnrollFlags_ARRAYSIZE = EnrollFlags_MAX + 1
- constexpr EnrollFlags briar::EnrollFlags_MAX = ENROLL_PROVIDED_TEMPLATE

- constexpr EnrollFlags `briar::EnrollFlags_MIN` = ENROLL_FULL_IMAGE
- constexpr int `briar::EntryType_ARRAYSIZE` = EntryType_MAX + 1
- constexpr EntryType `briar::EntryType_MAX` = ENTRY_TYPE_MEDIA
- constexpr EntryType `briar::EntryType_MIN` = ENTRY_TYPE_UNKNOWN
- constexpr int `briar::ExtractFlags_ARRAYSIZE` = ExtractFlags_MAX + 1
- constexpr ExtractFlags `briar::ExtractFlags_MAX` = EXTRACT_PROVIDED_DETECTION
- constexpr ExtractFlags `briar::ExtractFlags_MIN` = EXTRACT_FULL_IMAGE
- constexpr int `briar::FeatureVectorType_ARRAYSIZE` = FeatureVectorType_MAX + 1
- constexpr FeatureVectorType `briar::FeatureVectorType_MAX` = BriarDouble
- constexpr FeatureVectorType `briar::FeatureVectorType_MIN` = BriarInt8
- constexpr int `briar::SearchFlags_ARRAYSIZE` = SearchFlags_MAX + 1
- constexpr SearchFlags `briar::SearchFlags_MAX` = SEARCH_PROVIDED_TEMPLATES
- constexpr SearchFlags `briar::SearchFlags_MIN` = SEARCH_FULL_IMAGE
- constexpr int `briar::VerifyFlags_ARRAYSIZE` = VerifyFlags_MAX + 1
- constexpr VerifyFlags `briar::VerifyFlags_MAX` = VERIFY_PROVIDED_TEMPLATES
- constexpr VerifyFlags `briar::VerifyFlags_MIN` = VERIFY_FULL_IMAGE

8.2.1 Macro Definition Documentation

8.2.1.1 PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
#define PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_2eproto
```

8.2.2 Function Documentation

8.2.2.1 Arena::CreateMaybeMessage<::briar::APIVersion >()

```
template<>
PROTOBUF_NAMESPACE_OPEN ::briar::APIVersion* Arena::CreateMaybeMessage<::briar::APIVersion > (
    Arena * )
```

8.2.2.2 Arena::CreateMaybeMessage<::briar::Attribute >()

```
template<>
::briar::Attribute* Arena::CreateMaybeMessage<::briar::Attribute > (
    Arena * )
```

8.2.2.3 Arena::CreateMaybeMessage<::briar::BoolOption >()

```
template<>
::briar::BoolOption* Arena::CreateMaybeMessage<::briar::BoolOption > (
    Arena * )
```

8.2.2.4 Arena::CreateMaybeMessage<::briar::BriarDatabase >()

```
template<>
::briar::BriarDatabase* Arena::CreateMaybeMessage<::briar::BriarDatabase > (
    Arena * )
```

8.2.2.5 Arena::CreateMaybeMessage<::briar::BriarDatabaseInfo >()

```
template<>
::briar::BriarDatabaseInfo* Arena::CreateMaybeMessage<::briar::BriarDatabaseInfo > (
    Arena * )
```

8.2.2.6 Arena::CreateMaybeMessage<::briar::BriarDuration >()

```
template<>
::briar::BriarDuration* Arena::CreateMaybeMessage<::briar::BriarDuration > (
    Arena * )
```

8.2.2.7 Arena::CreateMaybeMessage<::briar::BriarDurations >()

```
template<>
::briar::BriarDurations* Arena::CreateMaybeMessage<::briar::BriarDurations > (
    Arena * )
```

8.2.2.8 Arena::CreateMaybeMessage<::briar::BriarDurations_SubDurationsEntry_DoNotUse >()

```
template<>
::briar::BriarDurations_SubDurationsEntry_DoNotUse* Arena::CreateMaybeMessage<::briar::BriarDurations_SubDurationsEntry_DoNotUse > (
    Arena * )
```

8.2.2.9 Arena::CreateMaybeMessage<::briar::BriarDurationsList >()

```
template<>
::briar::BriarDurationsList* Arena::CreateMaybeMessage<::briar::BriarDurationsList > (
    Arena * )
```

8.2.2.10 Arena::CreateMaybeMessage<::briar::BriarMatrix >()

```
template<>
::briar::BriarMatrix* Arena::CreateMaybeMessage<::briar::BriarMatrix > (
    Arena * )
```

8.2.2.11 Arena::CreateMaybeMessage<::briar::BriarMedia >()

```
template<>
::briar::BriarMedia* Arena::CreateMaybeMessage<::briar::BriarMedia > (
    Arena * )
```

8.2.2.12 Arena::CreateMaybeMessage<::briar::BriarPoint2D >()

```
template<>
::briar::BriarPoint2D* Arena::CreateMaybeMessage<::briar::BriarPoint2D > (
    Arena * )
```

8.2.2.13 Arena::CreateMaybeMessage<::briar::BriarProgress >()

```
template<>
::briar::BriarProgress* Arena::CreateMaybeMessage<::briar::BriarProgress > (
    Arena * )
```

8.2.2.14 Arena::CreateMaybeMessage<::briar::BriarRect >()

```
template<>
::briar::BriarRect* Arena::CreateMaybeMessage<::briar::BriarRect > (
    Arena * )
```

8.2.2.15 Arena::CreateMaybeMessage<::briar::BriarVector >()

```
template<>
::briar::BriarVector* Arena::CreateMaybeMessage<::briar::BriarVector > (
    Arena * )
```

8.2.2.16 Arena::CreateMaybeMessage<::briar::ClusterConfidence >()

```
template<>
::briar::ClusterConfidence* Arena::CreateMaybeMessage<::briar::ClusterConfidence > (
    Arena * )
```

8.2.2.17 Arena::CreateMaybeMessage<::briar::ClusterIds >()

```
template<>
::briar::ClusterIds* Arena::CreateMaybeMessage<::briar::ClusterIds > (
    Arena * )
```

8.2.2.18 Arena::CreateMaybeMessage<::briar::Detection >()

```
template<>
::briar::Detection* Arena::CreateMaybeMessage<::briar::Detection > (
    Arena * )
```

8.2.2.19 Arena::CreateMaybeMessage<::briar::DetectionOptions >()

```
template<>
::briar::DetectionOptions* Arena::CreateMaybeMessage<::briar::DetectionOptions > (
    Arena * )
```

8.2.2.20 Arena::CreateMaybeMessage<::briar::EnhanceOptions >()

```
template<>
::briar::EnhanceOptions* Arena::CreateMaybeMessage<::briar::EnhanceOptions > (
    Arena * )
```

8.2.2.21 Arena::CreateMaybeMessage<::briar::EnrollmentInfo >()

```
template<>
::briar::EnrollmentInfo* Arena::CreateMaybeMessage<::briar::EnrollmentInfo > (
    Arena * )
```

8.2.2.22 Arena::CreateMaybeMessage<::briar::EnrollOptions >()

```
template<>
::briar::EnrollOptions* Arena::CreateMaybeMessage<::briar::EnrollOptions > (
    Arena * )
```

8.2.2.23 Arena::CreateMaybeMessage<::briar::ExtractOptions >()

```
template<>
::briar::ExtractOptions* Arena::CreateMaybeMessage<::briar::ExtractOptions > (
    Arena * )
```

8.2.2.24 Arena::CreateMaybeMessage<::briar::FloatOption >()

```
template<>
::briar::FloatOption* Arena::CreateMaybeMessage<::briar::FloatOption > (
    Arena * )
```

8.2.2.25 Arena::CreateMaybeMessage<::briar::FrameMetadata >()

```
template<>
::briar::FrameMetadata* Arena::CreateMaybeMessage<::briar::FrameMetadata > (
    Arena * )
```

8.2.2.26 Arena::CreateMaybeMessage<::briar::IntOption >()

```
template<>
::briar::IntOption* Arena::CreateMaybeMessage<::briar::IntOption > (
    Arena * )
```

8.2.2.27 Arena::CreateMaybeMessage<::briar::MediaMetadata >()

```
template<>
::briar::MediaMetadata* Arena::CreateMaybeMessage<::briar::MediaMetadata > (
    Arena * )
```

8.2.2.28 Arena::CreateMaybeMessage<::briar::Record >()

```
template<>
::briar::Record* Arena::CreateMaybeMessage<::briar::Record > (
    Arena * )
```

8.2.2.29 Arena::CreateMaybeMessage<::briar::Record_MediaPreviewsEntry_DoNotUse >()

```
template<>
::briar::Record_MediaPreviewsEntry_DoNotUse* Arena::CreateMaybeMessage<::briar::Record_MediaPreviewsEntry_DoNotUse > (
    Arena * )
```

8.2.2.30 Arena::CreateMaybeMessage<::briar::Record_SubjectPreviewsEntry_DoNotUse >()

```
template<>
::briar::Record_SubjectPreviewsEntry_DoNotUse* Arena::CreateMaybeMessage<::briar::Record_SubjectPreviewsEntry_DoNotUse > (
    Arena * )
```

8.2.2.31 Arena::CreateMaybeMessage<::briar::RecordList >()

```
template<>
::briar::RecordList* Arena::CreateMaybeMessage<::briar::RecordList > (
    Arena * )
```

8.2.2.32 Arena::CreateMaybeMessage<::briar::SearchMatchInfo >()

```
template<>
::briar::SearchMatchInfo* Arena::CreateMaybeMessage<::briar::SearchMatchInfo > (
    Arena * )
```

8.2.2.33 Arena::CreateMaybeMessage<::briar::SearchMatchList >()

```
template<>
::briar::SearchMatchList* Arena::CreateMaybeMessage<::briar::SearchMatchList > (
    Arena * )
```

8.2.2.34 Arena::CreateMaybeMessage<::briar::SearchOptions >()

```
template<>
::briar::SearchOptions* Arena::CreateMaybeMessage<::briar::SearchOptions > (
    Arena * )
```

8.2.2.35 Arena::CreateMaybeMessage<::briar::StringOption >()

```
template<>
::briar::StringOption* Arena::CreateMaybeMessage<::briar::StringOption > (
    Arena * )
```

8.2.2.36 Arena::CreateMaybeMessage<::briar::Template >()

```
template<>
::briar::Template* Arena::CreateMaybeMessage<::briar::Template > (
    Arena * )
```

8.2.2.37 Arena::CreateMaybeMessage<::briar::TemplateData >()

```
template<>
::briar::TemplateData* Arena::CreateMaybeMessage<::briar::TemplateData > (
    Arena * )
```

8.2.2.38 Arena::CreateMaybeMessage<::briar::TemplateIds >()

```
template<>
::briar::TemplateIds* Arena::CreateMaybeMessage<::briar::TemplateIds > (
    Arena * )
```

8.2.2.39 Arena::CreateMaybeMessage<::briar::TemplateImageInput >()

```
template<>
::briar::TemplateImageInput* Arena::CreateMaybeMessage<::briar::TemplateImageInput > (
    Arena * )
```

8.2.2.40 Arena::CreateMaybeMessage<::briar::TemplateList >()

```
template<>
::briar::TemplateList* Arena::CreateMaybeMessage<::briar::TemplateList > (
    Arena * )
```

8.2.2.41 Arena::CreateMaybeMessage<::briar::TemplateListGroup >()

```
template<>
::briar::TemplateListGroup* Arena::CreateMaybeMessage<::briar::TemplateListGroup > (
    Arena * )
```

8.2.2.42 Arena::CreateMaybeMessage<::briar::TrackingOptions >()

```
template<>
::briar::TrackingOptions* Arena::CreateMaybeMessage<::briar::TrackingOptions > (
    Arena * )
```

8.2.2.43 Arena::CreateMaybeMessage<::briar::Tracklet >()

```
template<>
::briar::Tracklet* Arena::CreateMaybeMessage<::briar::Tracklet > (
    Arena * )
```

8.2.2.44 Arena::CreateMaybeMessage<::briar::VerifyMatchInfo >()

```
template<>
::briar::VerifyMatchInfo* Arena::CreateMaybeMessage<::briar::VerifyMatchInfo > (
    Arena * )
```

8.2.2.45 Arena::CreateMaybeMessage<::briar::VerifyMatchList >()

```
template<>
::briar::VerifyMatchList* Arena::CreateMaybeMessage<::briar::VerifyMatchList > (
    Arena * )
```

8.2.2.46 Arena::CreateMaybeMessage<::briar::VerifyOptions >()

```
template<>
::briar::VerifyOptions* Arena::CreateMaybeMessage<::briar::VerifyOptions > (
    Arena * )
```

8.2.2.47 GetEnumDescriptor< ::briar::BiometricModality >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::BiometricModality > ( ) [inline]
```

8.2.2.48 GetEnumDescriptor< ::briar::BriarDataType >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::BriarDataType > ( ) [inline]
```

8.2.2.49 GetEnumDescriptor< ::briar::BriarMedia_DataType >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::BriarMedia_DataType > ( ) [inline]
```

8.2.2.50 GetEnumDescriptor< ::briar::BriarServiceStatus >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::BriarServiceStatus > ( ) [inline]
```

8.2.2.51 GetEnumDescriptor< ::briar::EnrollFlags >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::EnrollFlags > ( ) [inline]
```

8.2.2.52 GetEnumDescriptor< ::briar::EntryType >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::EntryType > ( ) [inline]
```

8.2.2.53 GetEnumDescriptor< ::briar::ExtractFlags >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::ExtractFlags > ( ) [inline]
```

8.2.2.54 GetEnumDescriptor< ::briar::FeatureVectorType >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::FeatureVectorType > ( ) [inline]
```

8.2.2.55 GetEnumDescriptor< ::briar::SearchFlags >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::SearchFlags > ( ) [inline]
```

8.2.2.56 GetEnumDescriptor< ::briar::VerifyFlags >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::VerifyFlags > ( ) [inline]
```

8.2.3 Variable Documentation

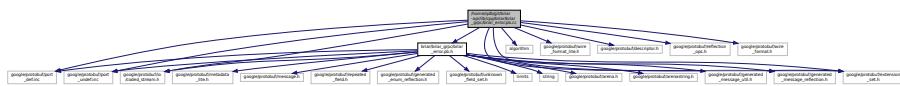
8.2.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto

```
const ::PROTOBUF_NAMESPACE_ID::internal::DescriptorTable descriptor_table_briar_2fbriar_5fgrpc_2fbriar_2eproto [extern]
```

8.3 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.cc File Reference

```
#include "briar/briar_grpc/briar_error.pb.h"
#include <algorithm>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/wire_format_lite.h>
#include <google/protobuf/descriptor.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/reflection_ops.h>
#include <google/protobuf/wire_format.h>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
```

Include dependency graph for briar_error.pb.cc:



Classes

- class `briar::BriarErrors::_Internal`
 - class `briar::BriarErrorMessage::_Internal`
 - struct `briar::BriarErrorMessageDefaultTypeInternal`
 - struct `briar::BriarErrorsDefaultTypeInternal`

Namespaces

- briar

Macros

- `#define CHK_(x) if (PROTOBUF_PREDICT_FALSE(!(x))) goto failure;`
 - `#define CHK_(x) if (PROTOBUF_PREDICT_FALSE(!(x))) goto failure;`

Functions

- template<> PROTOBUF_NOINLINE ::briar::BriarErrorMessage * Arena::CreateMaybeMessage< ::briar::BriarErrorMessage >(Arena *arena)
 - template<> PROTOBUF_NAMESPACE_OPEN PROTOBUF_NOINLINE ::briar::BriarErrors * Arena::CreateMaybeMessage< (Arena *arena)
 - const ::PROTOBUF_NAMESPACE_ID::EnumDescriptor * briar::BriarError_descriptor ()
 - bool briar::BriarError_IsValid (int value)
 - PROTOBUF_ATTRIBUTE_WEAK const ::_pb::DescriptorTable * descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto ()
 - const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto::offsets[] PROTOBUF_SECTION_VARIABLE (protodesc_cold)

Variables

- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ←
PRIORITY1 BriarErrorMessageDefaultTypeInternal briar::BriarErrorMessage_default_instance_
- PROTOBUF_ATTRIBUTE_NO_DESTROY PROTOBUF_CONSTINIT PROTOBUF_ATTRIBUTE_INIT_ ←
PRIORITY1 BriarErrorsDefaultTypeInternal briar::BriarErrors_default_instance_
- const ::pb::DescriptorTable descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto

8.3.1 Macro Definition Documentation

8.3.1.1 CHK_ [1/2]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.3.1.2 CHK_ [2/2]

```
#define CHK_(  
    x ) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

8.3.2 Function Documentation

8.3.2.1 Arena::CreateMaybeMessage< ::briar::BriarErrorMessage >()

```
template<>  
PROTOBUF_NOINLINE ::briar::BriarErrorMessage* Arena::CreateMaybeMessage< ::briar::BriarErrorMessage  
> (  
    Arena * arena )
```

8.3.2.2 Arena::CreateMaybeMessage< ::briar::BriarErrors >()

```
template<>  
PROTOBUF_NAMESPACE_OPEN PROTOBUF_NOINLINE ::briar::BriarErrors* Arena::CreateMaybeMessage< ←  
::briar::BriarErrors > (  
    Arena * arena )
```

8.3.2.3 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto_getter()

```
PROTOBUF_ATTRIBUTE_WEAK const ::pbi::DescriptorTable* descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto_getter( )
```

8.3.2.4 PROTOBUF_SECTION_VARIABLE()

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto::offsets [ ] PROTOBUF_SECTION_VARIABLE(
    protodesc_cold )
```

8.3.3 Variable Documentation

8.3.3.1 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto

```
static PROTOBUF_ATTRIBUTE_INIT_PRIORITY2::pbi::AddDescriptorsRunner dynamic_init_dummy_<= briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto & descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto>
```

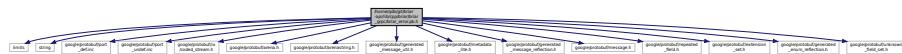
Initial value:

```
= {
    false, false, 1014, descriptor_table_protodef_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto,
    "briar/briar_grpc/briar_error.proto",
    &descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto_once, nullptr, 0, 2,
    schemas, file_default_instances, TableStruct_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto::offsets,
    file_level_metadata_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto,
    file_level_enum_descriptors_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto,
    file_level_service_descriptors_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto,
}
```

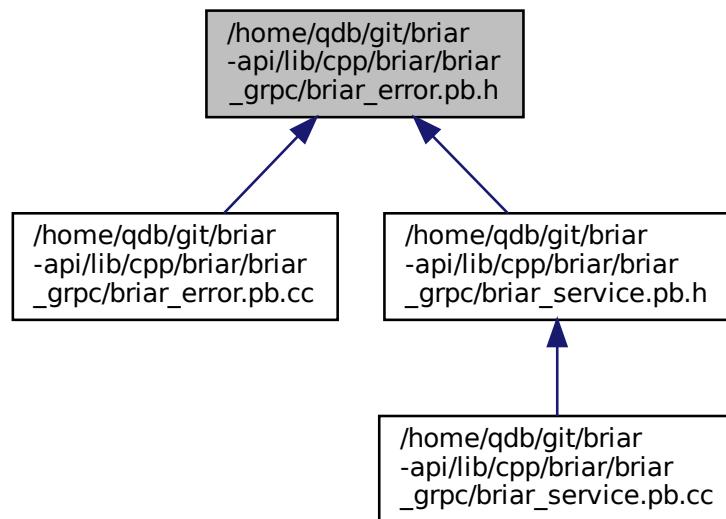
8.4 /home/qdb/git/briar-api/lib/cpp/briar/briar_grpc/briar_error.pb.h File Reference

```
#include <limits>
#include <string>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/arena.h>
#include <google/protobuf/arenastring.h>
#include <google/protobuf/generated_message_util.h>
#include <google/protobuf/metadata_lite.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/message.h>
#include <google/protobuf/repeated_field.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/generated_enum_reflection.h>
```

```
#include <google/protobuf/unknown_field_set.h>
Include dependency graph for briar_error.pb.h:
```



This graph shows which files directly or indirectly include this file:



Classes

- class briar::BriarErrorMessage
 - class briar::BriarErrors
 - struct is_proto_enum< ::briar::BriarError >
 - struct TableStruct briar 2fbriar 5fgrpc 2fbriar 5ferror 2aproto

Namespaces

- briar
 - internal

Macros

- ```
• #define PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_5ferror_2aproto
```

## Enumerations

- enum briar::BriarError : int {
 briar::BRIAR\_SUCCESS = 0 , briar::BRIAR\_UNKNOWN\_ERROR = 1 , briar::BRIAR\_INTERNAL\_ERROR = 2 , briar::BRIAR\_OUT\_OF\_MEMORY = 3 ,
 briar::BRIAR\_INVALID\_SDK\_PATH = 4 , briar::BRIAR\_BAD\_SDK\_CONFIG = 5 , briar::BRIAR\_BAD\_LICENSE = 6 , briar::BRIAR\_MISSING\_DATA = 7 ,
 briar::BRIAR\_INVALID\_GPU = 8 , briar::BRIAR\_BAD\_ARGUMENT = 9 , briar::BRIAR\_OPEN\_ERROR = 10 ,
 briar::BRIAR\_READ\_ERROR = 11 ,
 briar::BRIAR\_WRITE\_ERROR = 12 , briar::BRIAR\_PARSE\_ERROR = 13 , briar::BRIAR\_INVALID\_MEDIA = 14 , briar::BRIAR\_OUT\_OF\_BOUNDS\_ACCESS = 15 ,
 briar::BRIAR\_MEDIA\_AT\_END = 16 , briar::BRIAR\_INVALID\_ATTRIBUTE\_KEY = 17 , briar::BRIAR\_MISSING\_ATTRIBUTE = 18 , briar::BRIAR\_DUPLICATE\_ID = 19 ,
 briar::BRIAR\_MISSING\_ID = 20 , briar::BRIAR\_MISSING\_FILE\_NAME = 21 , briar::BRIAR\_INCORRECT\_ROLE = 22 , briar::BRIAR\_FAILURE\_TO\_SERIALIZE = 23 ,
 briar::BRIAR\_FAILURE\_TO\_DESERIALIZE = 24 , briar::BRIAR\_BATCH\_ABORTED\_EARLY = 25 ,
 briar::BRIAR\_BATCH\_FINISHED\_WITH\_ERRORS = 26 , briar::BRIAR\_CALLBACK\_EXIT\_IMMEDIATELY = 27 ,
 briar::BRIAR\_NOT\_IMPLEMENTED = 28 , briar::BRIAR\_NUM\_ERRORS = 29 , briar::BriarError\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_ = std::numeric\_limits<int32\_t>::min() , briar::BriarError\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_ = std::numeric\_limits<int32\_t>::max() }

## Functions

- template<> PROTOBUF\_NAMESPACE\_OPEN ::briar::BriarErrorMessage \* Arena::CreateMaybeMessage<::briar::BriarError> (Arena \*)
- template<> ::briar::BriarErrors \* Arena::CreateMaybeMessage<::briar::BriarErrors > (Arena \*)
- const ::PROTOBUF\_NAMESPACE\_ID::EnumDescriptor \* briar::BriarError\_descriptor ()
- bool briar::BriarError\_IsValid (int value)
- template<typename T >
 const std::string & briar::BriarError\_Name (T enum\_t\_value)
- bool briar::BriarError\_Parse (::PROTOBUF\_NAMESPACE\_ID::ConstStringParam name, BriarError \*value)
- template<> const EnumDescriptor \* GetEnumDescriptor< ::briar::BriarError > ()

## Variables

- constexpr int briar::BriarError\_ARRAYSIZE = BriarError\_MAX + 1
- constexpr BriarError briar::BriarError\_MAX = BRIAR\_NUM\_ERRORS
- constexpr BriarError briar::BriarError\_MIN = BRIAR\_SUCCESS
- const ::PROTOBUF\_NAMESPACE\_ID::internal::DescriptorTable descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto

### 8.4.1 Macro Definition Documentation

#### 8.4.1.1 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto

```
#define PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_5ferror_2eproto
```

## 8.4.2 Function Documentation

### 8.4.2.1 Arena::CreateMaybeMessage<::briar::BriarErrorMessage >()

```
template<>
PROTOBUF_NAMESPACE_OPEN ::briar::BriarErrorMessage* Arena::CreateMaybeMessage<::briar::BriarErrorMessage
> (
 Arena *)
```

### 8.4.2.2 Arena::CreateMaybeMessage<::briar::BriarErrors >()

```
template<>
::briar::BriarErrors* Arena::CreateMaybeMessage<::briar::BriarErrors > (
 Arena *)
```

### 8.4.2.3 GetEnumDescriptor< ::briar::BriarError >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::BriarError > () [inline]
```

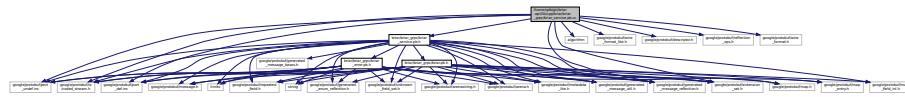
## 8.4.3 Variable Documentation

### 8.4.3.1 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto

```
const ::PROTOBUF_NAMESPACE_ID::internal::DescriptorTable descriptor_table_briar_2fbriar_←
5fgrpc_2fbriar_5ferror_2eproto [extern]
```

## 8.5 /home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_service.pb.cc File Reference

```
#include "briar/briar_grpc/briar_service.pb.h"
#include <algorithm>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/wire_format_lite.h>
#include <google/protobuf/descriptor.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/reflection_ops.h>
#include <google/protobuf/wire_format.h>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
Include dependency graph for briar_service.pb.cc:
```



## Classes

- class briar::DatabaseLoadReply::Internal
- class briar::DatabaseRemoveTmplsReply::Internal
- class briar::DatabaseMergeRequest::Internal
- class briar::DatabaseInsertRequest::Internal
- class briar::DatabaseLoadRequest::Internal
- class briar::DatabaseRemoveTmplsRequest::Internal
- class briar::DatabaseMergeReply::Internal
- class briar::DatabaseInsertReply::Internal
- class briar::DatabaseCheckpointReply::Internal
- class briar::DatabaseDeleteRequest::Internal
- class briar::DatabaseCheckpointSubjectRequest::Internal
- class briar::DatabaseCheckpointRequest::Internal
- class briar::DatabaseCreateReply::Internal
- class briar::DatabaseCreateRequest::Internal
- class briar::StatusReply::Internal
- class briar::StatusRequest::Internal
- class briar::DatabaseListentriesReply::Internal
- class briar::DatabaseListEntriesRequest::Internal
- class briar::Empty::Internal
- class briar::DatabaseListRequest::Internal
- class briar::DatabaseListReply::Internal
- class briar::DatabaseInfoRequest::Internal
- class briar::DatabaseInfoReply::Internal
- class briar::VerifyDatabaseRequest::Internal
- class briar::DatabaseFinalizeRequest::Internal
- class briar::VerifyReply::Internal
- class briar::EnhanceReply::Internal
- class briar::SearchRequest::Internal
- class briar::DatabaseDeleteReply::Internal
- class briar::SearchDatabaseRequest::Internal

- class briar::SearchReply::\_Internal
- class briar::SearchDatabaseReply::\_Internal
- class briar::DatabaseRenameRequest::\_Internal
- class briar::VerifyDatabaseReply::\_Internal
- class briar::DatabaseHasEntryRequest::\_Internal
- class briar::DatabaseMoveEntryRequest::\_Internal
- class briar::DatabaseHasEntryReply::\_Internal
- class briar::DatabaseMoveEntryReply::\_Internal
- class briar::ClusterRequest::\_Internal
- class briar::ClusterReply::\_Internal
- class briar::EnhanceRequest::\_Internal
- class briar::DatabaseFinalizeReply::\_Internal
- class briar::BriarServiceConfigurationReply::\_Internal
- class briar::DatabaseRenameReply::\_Internal
- class briar::DetectRequest::\_Internal
- class briar::DetectReply::\_Internal
- class briar::TrackRequest::\_Internal
- class briar::TrackReply::\_Internal
- class briar::ExtractRequest::\_Internal
- class briar::ExtractReply::\_Internal
- class briar::DatabaseRetrieveRequest::\_Internal
- class briar::DatabaseRetrieveReply::\_Internal
- class briar::EnrollCustomRequest::\_Internal
- class briar::EnrollRequest::\_Internal
- class briar::BriarServiceConfigurationRequest::\_Internal
- class briar::EnrollReply::\_Internal
- class briar::VerifyRequest::\_Internal
- struct briar::BriarServiceConfigurationReplyDefaultTypeInternal
- struct briar::BriarServiceConfigurationRequestDefaultTypeInternal
- struct briar::ClusterReplyDefaultTypeInternal
- struct briar::ClusterRequestDefaultTypeInternal
- struct briar::DatabaseCheckpointReplyDefaultTypeInternal
- struct briar::DatabaseCheckpointRequestDefaultTypeInternal
- struct briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal
- struct briar::DatabaseCreateReplyDefaultTypeInternal
- struct briar::DatabaseCreateRequestDefaultTypeInternal
- struct briar::DatabaseDeleteReplyDefaultTypeInternal
- struct briar::DatabaseDeleteRequestDefaultTypeInternal
- struct briar::DatabaseFinalizeReplyDefaultTypeInternal
- struct briar::DatabaseFinalizeRequestDefaultTypeInternal
- struct briar::DatabaseHasEntryReplyDefaultTypeInternal
- struct briar::DatabaseHasEntryRequestDefaultTypeInternal
- struct briar::DatabaseInfoReplyDefaultTypeInternal
- struct briar::DatabaseInfoRequestDefaultTypeInternal
- struct briar::DatabaseInsertReplyDefaultTypeInternal
- struct briar::DatabaseInsertRequestDefaultTypeInternal
- struct briar::DatabaseListentriesReplyDefaultTypeInternal
- struct briar::DatabaseListEntriesRequestDefaultTypeInternal
- struct briar::DatabaseListReplyDefaultTypeInternal
- struct briar::DatabaseListRequestDefaultTypeInternal
- struct briar::DatabaseLoadReplyDefaultTypeInternal
- struct briar::DatabaseLoadRequestDefaultTypeInternal
- struct briar::DatabaseMergeReplyDefaultTypeInternal
- struct briar::DatabaseMergeRequestDefaultTypeInternal
- struct briar::DatabaseMoveEntryReplyDefaultTypeInternal

- struct briar::DatabaseMoveEntryRequestDefaultTypeInternal
  - struct briar::DatabaseRemoveTmplsReplyDefaultTypeInternal
  - struct briar::DatabaseRemoveTmplsRequestDefaultTypeInternal
  - struct briar::DatabaseRenameReplyDefaultTypeInternal
  - struct briar::DatabaseRenameRequestDefaultTypeInternal
  - struct briar::DatabaseRetrieveReplyDefaultTypeInternal
  - struct briar::DatabaseRetrieveRequestDefaultTypeInternal
  - struct briar::DetectReplyDefaultTypeInternal
  - struct briar::DetectRequestDefaultTypeInternal
  - struct briar::EmptyDefaultTypeInternal
  - struct briar::EnhanceReplyDefaultTypeInternal
  - struct briar::EnhanceRequestDefaultTypeInternal
  - struct briar::EnrollCustomRequestDefaultTypeInternal
  - struct briar::EnrollReplyDefaultTypeInternal
  - struct briar::EnrollRequestDefaultTypeInternal
  - struct briar::ExtractReplyDefaultTypeInternal
  - struct briar::ExtractRequestDefaultTypeInternal
  - struct briar::SearchDatabaseReplyDefaultTypeInternal
  - struct briar::SearchDatabaseRequestDefaultTypeInternal
  - struct briar::SearchReplyDefaultTypeInternal
  - struct briar::SearchRequestDefaultTypeInternal
  - struct briar::StatusReplyDefaultTypeInternal
  - struct briar::StatusRequestDefaultTypeInternal
  - struct briar::TrackReplyDefaultTypeInternal
  - struct briar::TrackRequestDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal
  - struct briar::VerifyDatabaseReplyDefaultTypeInternal
  - struct briar::VerifyDatabaseRequestDefaultTypeInternal
  - struct briar::VerifyReplyDefaultTypeInternal
  - struct briar::VerifyRequestDefaultTypeInternal

## Namespaces

- briar

## Macros

## Functions

- template<> PROTOBUF\_NOINLINE ::briar::BriarServiceConfigurationReply \* Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply> (Arena \*arena)
  - template<> PROTOBUF\_NOINLINE ::briar::BriarServiceConfigurationRequest \* Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest> (Arena \*arena)
  - template<> PROTOBUF\_NOINLINE ::briar::ClusterReply \* Arena::CreateMaybeMessage< ::briar::ClusterReply> (Arena \*arena)
  - template<> PROTOBUF\_NOINLINE ::briar::ClusterRequest \* Arena::CreateMaybeMessage< ::briar::ClusterRequest> (Arena \*arena)

- template<> PROTOBUF\_NOINLINE ::briar::DatabaseCheckpointReply \* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseCheckpointRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseCheckpointSubjectRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseCreateReply \* Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseCreateRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseDeleteReply \* Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseDeleteRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseFinalizeReply \* Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseFinalizeRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseHasEntryReply \* Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseHasEntryRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseInfoReply \* Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseInfoRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseInsertReply \* Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseInsertRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseListEntriesReply \* Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseListEntriesRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseListReply \* Arena::CreateMaybeMessage< ::briar::DatabaseListRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseListRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseListReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseLoadReply \* Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseLoadRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseMergeReply \* Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseMergeRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseMoveEntryReply \* Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseMoveEntryRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRemoveTmplsReply \* Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRemoveTmplsRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply> (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRenameReply \* Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest> (Arena \*arena)

- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRenameRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest \* Arena \*arena>
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRetrieveReply \* Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveReply \* Arena \*arena>
- template<> PROTOBUF\_NOINLINE ::briar::DatabaseRetrieveRequest \* Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveRequest \* Arena \*arena>
- template<> PROTOBUF\_NOINLINE ::briar::DetectReply \* Arena::CreateMaybeMessage< ::briar::DetectReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::DetectRequest \* Arena::CreateMaybeMessage< ::briar::DetectRequest > (Arena \*arena)
- template<> PROTOBUF\_NAMESPACE\_OPEN PROTOBUF\_NOINLINE ::briar::Empty \* Arena::CreateMaybeMessage< ::briar::Empty > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::EnhanceReply \* Arena::CreateMaybeMessage< ::briar::EnhanceReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::EnhanceRequest \* Arena::CreateMaybeMessage< ::briar::EnhanceRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::EnrollCustomRequest \* Arena::CreateMaybeMessage< ::briar::EnrollCustomRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::EnrollReply \* Arena::CreateMaybeMessage< ::briar::EnrollReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::EnrollRequest \* Arena::CreateMaybeMessage< ::briar::EnrollRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::ExtractReply \* Arena::CreateMaybeMessage< ::briar::ExtractReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::ExtractRequest \* Arena::CreateMaybeMessage< ::briar::ExtractRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::SearchDatabaseReply \* Arena::CreateMaybeMessage< ::briar::SearchDatabaseReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::SearchDatabaseRequest \* Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::SearchReply \* Arena::CreateMaybeMessage< ::briar::SearchReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::SearchRequest \* Arena::CreateMaybeMessage< ::briar::SearchRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::StatusReply \* Arena::CreateMaybeMessage< ::briar::StatusReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::StatusRequest \* Arena::CreateMaybeMessage< ::briar::StatusRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::TrackReply \* Arena::CreateMaybeMessage< ::briar::TrackReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::TrackRequest \* Arena::CreateMaybeMessage< ::briar::TrackRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse > (Arena \*arena)

- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyDatabaseRequest \* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseRequest > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyReply \* Arena::CreateMaybeMessage< ::briar::VerifyReply > (Arena \*arena)
- template<> PROTOBUF\_NOINLINE ::briar::VerifyRequest \* Arena::CreateMaybeMessage< ::briar::VerifyRequest > (Arena \*arena)
- PROTOBUF\_ATTRIBUTE\_WEAKconst ::\_pb1::DescriptorTable \* descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto ()
- const uint32\_t TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto::offsets[] PROTOBUF\_SECTION\_VARIABLE (protodesc\_cold)
- const ::PROTOBUF\_NAMESPACE\_ID::EnumDescriptor \* briar::VerifyRequest\_VerifyRole\_descriptor ()
- bool briar::VerifyRequest\_VerifyRole\_IsValid (int value)

## Variables

- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 BriarServiceConfigurationReplyDefaultTypeInternal briar::\_BriarServiceConfigurationReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 BriarServiceConfigurationRequestDefaultTypeInternal briar::\_BriarServiceConfigurationRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 ClusterReplyDefaultTypeInternal briar::\_ClusterReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 ClusterRequestDefaultTypeInternal briar::\_ClusterRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseCheckpointReplyDefaultTypeInternal briar::\_DatabaseCheckpointReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseCheckpointRequestDefaultTypeInternal briar::\_DatabaseCheckpointRequest\_default\_instance\_
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- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseCreateReplyDefaultTypeInternal briar::\_DatabaseCreateReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseCreateRequestDefaultTypeInternal briar::\_DatabaseCreateRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseDeleteReplyDefaultTypeInternal briar::\_DatabaseDeleteReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseDeleteRequestDefaultTypeInternal briar::\_DatabaseDeleteRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseFinalizeReplyDefaultTypeInternal briar::\_DatabaseFinalizeReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseFinalizeRequestDefaultTypeInternal briar::\_DatabaseFinalizeRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseHasEntryReplyDefaultTypeInternal briar::\_DatabaseHasEntryReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseHasEntryRequestDefaultTypeInternal briar::\_DatabaseHasEntryRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseInfoReplyDefaultTypeInternal briar::\_DatabaseInfoReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 DatabaseInfoRequestDefaultTypeInternal briar::\_DatabaseInfoRequest\_default\_instance\_

- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseInsertReplyDefaultTypeInternal briar::\_DatabaseInsertReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseInsertRequestDefaultTypeInternal briar::\_DatabaseInsertRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseListentriesReplyDefaultTypeInternal briar::\_DatabaseListentriesReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseListEntriesRequestDefaultTypeInternal briar::\_DatabaseListEntriesRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseListReplyDefaultTypeInternal briar::\_DatabaseListReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseListRequestDefaultTypeInternal briar::\_DatabaseListRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseLoadReplyDefaultTypeInternal briar::\_DatabaseLoadReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseLoadRequestDefaultTypeInternal briar::\_DatabaseLoadRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseMergeReplyDefaultTypeInternal briar::\_DatabaseMergeReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseMergeRequestDefaultTypeInternal briar::\_DatabaseMergeRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseMoveEntryReplyDefaultTypeInternal briar::\_DatabaseMoveEntryReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseMoveEntryRequestDefaultTypeInternal briar::\_DatabaseMoveEntryRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRemoveTmplsReplyDefaultTypeInternal briar::\_DatabaseRemoveTmplsReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRemoveTmplsRequestDefaultTypeInternal briar::\_DatabaseRemoveTmplsRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRenameReplyDefaultTypeInternal briar::\_DatabaseRenameReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRenameRequestDefaultTypeInternal briar::\_DatabaseRenameRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRetrieveReplyDefaultTypeInternal briar::\_DatabaseRetrieveReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DatabaseRetrieveRequestDefaultTypeInternal briar::\_DatabaseRetrieveRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DetectReplyDefaultTypeInternal briar::\_DetectReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 DetectRequestDefaultTypeInternal briar::\_DetectRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EmptyDefaultTypeInternal briar::\_Empty\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EnhanceReplyDefaultTypeInternal briar::\_EnhanceReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EnhanceRequestDefaultTypeInternal briar::\_EnhanceRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EnrollCustomRequestDefaultTypeInternal briar::\_EnrollCustomRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EnrollReplyDefaultTypeInternal briar::\_EnrollReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 EnrollRequestDefaultTypeInternal briar::\_EnrollRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 ExtractReplyDefaultTypeInternal briar::\_ExtractReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT ↵ PRIORITY1 ExtractRequestDefaultTypeInternal briar::\_ExtractRequest\_default\_instance\_

- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 SearchDatabaseReplyDefaultTypeInternal briar::\_SearchDatabaseReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 SearchDatabaseRequestDefaultTypeInternal briar::\_SearchDatabaseRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 SearchReplyDefaultTypeInternal briar::\_SearchReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 SearchRequestDefaultTypeInternal briar::\_SearchRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 StatusReplyDefaultTypeInternal briar::\_StatusReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 StatusRequestDefaultTypeInternal briar::\_StatusRequest\_default\_instance\_
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- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 TrackRequestDefaultTypeInternal briar::\_TrackRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReplyDefaultTypeInternal briar::\_VerifyDatabaseReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal briar::\_VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyDatabaseRequestDefaultTypeInternal briar::\_VerifyDatabaseRequest\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyReplyDefaultTypeInternal briar::\_VerifyReply\_default\_instance\_
- PROTOBUF\_ATTRIBUTE\_NO\_DESTROY PROTOBUF\_CONSTINIT PROTOBUF\_ATTRIBUTE\_INIT\_↔ PRIORITY1 VerifyRequestDefaultTypeInternal briar::\_VerifyRequest\_default\_instance\_
- const ::\_pbi::DescriptorTable descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto

## 8.5.1 Macro Definition Documentation

### 8.5.1.1 CHK\_ [1/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.2 CHK\_ [2/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.3 **CHK\_** [3/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.4 **CHK\_** [4/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.5 **CHK\_** [5/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.6 **CHK\_** [6/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.7 **CHK\_** [7/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.8 **CHK\_** [8/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.9 **CHK\_** [9/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.10 `CHK_` [10/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.11 `CHK_` [11/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.12 `CHK_` [12/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.13 `CHK_` [13/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.14 `CHK_` [14/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.15 `CHK_` [15/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.16 `CHK_` [16/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.17 `CHK_` [17/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.18 `CHK_` [18/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.19 `CHK_` [19/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.20 `CHK_` [20/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.21 `CHK_` [21/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.22 `CHK_` [22/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.23 `CHK_` [23/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.24 `CHK_` [24/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.25 `CHK_` [25/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.26 `CHK_` [26/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.27 `CHK_` [27/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.28 `CHK_` [28/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.29 `CHK_` [29/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.30 `CHK_` [30/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.31 `CHK_` [31/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.32 `CHK_` [32/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.33 `CHK_` [33/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.34 `CHK_` [34/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.35 `CHK_` [35/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.36 `CHK_` [36/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.37 `CHK_` [37/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.38 `CHK_` [38/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.39 `CHK_` [39/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.40 `CHK_` [40/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.41 `CHK_` [41/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.42 `CHK_` [42/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.43 `CHK_` [43/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.44 `CHK_` [44/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.45 `CHK_` [45/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.46 `CHK_` [46/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.47 `CHK_` [47/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.48 `CHK_` [48/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.49 `CHK_` [49/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.50 `CHK_` [50/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

**8.5.1.51 `CHK_` [51/54]**

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(! (x))) goto failure
```

### 8.5.1.52 **CHK\_** [52/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(!(x))) goto failure
```

### 8.5.1.53 **CHK\_** [53/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(!(x))) goto failure
```

### 8.5.1.54 **CHK\_** [54/54]

```
#define CHK_(
 x) if (PROTOBUF_PREDICT_FALSE(!(x))) goto failure
```

## 8.5.2 Function Documentation

### 8.5.2.1 **Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply >()**

```
template<>
PROTOBUF_NOINLINE ::briar::BriarServiceConfigurationReply* Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply > (
 Arena * arena)
```

### 8.5.2.2 **Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest >()**

```
template<>
PROTOBUF_NOINLINE ::briar::BriarServiceConfigurationRequest* Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest > (
 Arena * arena)
```

### 8.5.2.3 **Arena::CreateMaybeMessage< ::briar::ClusterReply >()**

```
template<>
PROTOBUF_NOINLINE ::briar::ClusterReply* Arena::CreateMaybeMessage< ::briar::ClusterReply > (
 Arena * arena)
```

#### 8.5.2.4 Arena::CreateMaybeMessage< ::briar::ClusterRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::ClusterRequest* Arena::CreateMaybeMessage< ::briar::ClusterRequest
> (
 Arena * arena)
```

#### 8.5.2.5 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseCheckpointReply* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply
> (
 Arena * arena)
```

#### 8.5.2.6 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseCheckpointRequest* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest
> (
 Arena * arena)
```

#### 8.5.2.7 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseCheckpointSubjectRequest* Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest
> (
 Arena * arena)
```

#### 8.5.2.8 Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseCreateReply* Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply
> (
 Arena * arena)
```

#### 8.5.2.9 Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseCreateRequest* Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest
> (
 Arena * arena)
```

### 8.5.2.10 Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseDeleteReply* Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply
> (
 Arena * arena)
```

### 8.5.2.11 Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseDeleteRequest* Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest
> (
 Arena * arena)
```

### 8.5.2.12 Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseFinalizeReply* Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply
> (
 Arena * arena)
```

### 8.5.2.13 Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseFinalizeRequest* Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest
> (
 Arena * arena)
```

### 8.5.2.14 Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseHasEntryReply* Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply
> (
 Arena * arena)
```

### 8.5.2.15 Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseHasEntryRequest* Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest
> (
 Arena * arena)
```

**8.5.2.16 Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseInfoReply* Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply
> (
 Arena * arena)
```

**8.5.2.17 Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseInfoRequest* Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest
> (
 Arena * arena)
```

**8.5.2.18 Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseInsertReply* Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply
> (
 Arena * arena)
```

**8.5.2.19 Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseInsertRequest* Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest
> (
 Arena * arena)
```

**8.5.2.20 Arena::CreateMaybeMessage< ::briar::DatabaseListentriesReply >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseListentriesReply* Arena::CreateMaybeMessage< ::briar::DatabaseListentriesReply
> (
 Arena * arena)
```

**8.5.2.21 Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest >()**

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseListEntriesRequest* Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest
> (
 Arena * arena)
```

### 8.5.2.22 Arena::CreateMaybeMessage< ::briar::DatabaseListReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseListReply* Arena::CreateMaybeMessage< ::briar::DatabaseListReply
> (
 Arena * arena)
```

### 8.5.2.23 Arena::CreateMaybeMessage< ::briar::DatabaseListRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseListRequest* Arena::CreateMaybeMessage< ::briar::DatabaseListRequest
> (
 Arena * arena)
```

### 8.5.2.24 Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseLoadReply* Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply
> (
 Arena * arena)
```

### 8.5.2.25 Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseLoadRequest* Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest
> (
 Arena * arena)
```

### 8.5.2.26 Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseMergeReply* Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply
> (
 Arena * arena)
```

### 8.5.2.27 Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseMergeRequest* Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest
> (
 Arena * arena)
```

### 8.5.2.28 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseMoveEntryReply* Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply
> (
 Arena * arena)
```

### 8.5.2.29 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseMoveEntryRequest* Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest
> (
 Arena * arena)
```

### 8.5.2.30 Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRemoveTmplsReply* Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply
> (
 Arena * arena)
```

### 8.5.2.31 Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRemoveTmplsRequest* Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest
> (
 Arena * arena)
```

### 8.5.2.32 Arena::CreateMaybeMessage< ::briar::DatabaseRenameReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRenameReply* Arena::CreateMaybeMessage< ::briar::DatabaseRenameReply
> (
 Arena * arena)
```

### 8.5.2.33 Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRenameRequest* Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest
> (
 Arena * arena)
```

### 8.5.2.34 Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRetrieveReply* Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveReply >(
 Arena * arena)
```

### 8.5.2.35 Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DatabaseRetrieveRequest* Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveRequest >(
 Arena * arena)
```

### 8.5.2.36 Arena::CreateMaybeMessage< ::briar::DetectReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::DetectReply* Arena::CreateMaybeMessage< ::briar::DetectReply >(
 Arena * arena)
```

### 8.5.2.37 Arena::CreateMaybeMessage< ::briar::DetectRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::DetectRequest* Arena::CreateMaybeMessage< ::briar::DetectRequest >(
 Arena * arena)
```

### 8.5.2.38 Arena::CreateMaybeMessage< ::briar::Empty >()

```
template<>
PROTOBUF_NAMESPACE_OPEN PROTOBUF_NOINLINE ::briar::Empty* Arena::CreateMaybeMessage< ::briar::Empty >(
 Arena * arena)
```

### 8.5.2.39 Arena::CreateMaybeMessage< ::briar::EnhanceReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnhanceReply* Arena::CreateMaybeMessage< ::briar::EnhanceReply >(
 Arena * arena)
```

#### 8.5.2.40 Arena::CreateMaybeMessage< ::briar::EnhanceRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnhanceRequest* Arena::CreateMaybeMessage< ::briar::EnhanceRequest
> (
 Arena * arena)
```

#### 8.5.2.41 Arena::CreateMaybeMessage< ::briar::EnrollCustomRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnrollCustomRequest* Arena::CreateMaybeMessage< ::briar::EnrollCustomRequest
> (
 Arena * arena)
```

#### 8.5.2.42 Arena::CreateMaybeMessage< ::briar::EnrollReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnrollReply* Arena::CreateMaybeMessage< ::briar::EnrollReply > (
 Arena * arena)
```

#### 8.5.2.43 Arena::CreateMaybeMessage< ::briar::EnrollRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::EnrollRequest* Arena::CreateMaybeMessage< ::briar::EnrollRequest >(
 Arena * arena)
```

#### 8.5.2.44 Arena::CreateMaybeMessage< ::briar::ExtractReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::ExtractReply* Arena::CreateMaybeMessage< ::briar::ExtractReply > (
 Arena * arena)
```

#### 8.5.2.45 Arena::CreateMaybeMessage< ::briar::ExtractRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::ExtractRequest* Arena::CreateMaybeMessage< ::briar::ExtractRequest
> (
 Arena * arena)
```

### 8.5.2.46 Arena::CreateMaybeMessage< ::briar::SearchDatabaseReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchDatabaseReply* Arena::CreateMaybeMessage< ::briar::SearchDatabaseReply
> (
 Arena * arena)
```

### 8.5.2.47 Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchDatabaseRequest* Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest
> (
 Arena * arena)
```

### 8.5.2.48 Arena::CreateMaybeMessage< ::briar::SearchReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchReply* Arena::CreateMaybeMessage< ::briar::SearchReply > (
 Arena * arena)
```

### 8.5.2.49 Arena::CreateMaybeMessage< ::briar::SearchRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::SearchRequest* Arena::CreateMaybeMessage< ::briar::SearchRequest > (
 Arena * arena)
```

### 8.5.2.50 Arena::CreateMaybeMessage< ::briar::StatusReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::StatusReply* Arena::CreateMaybeMessage< ::briar::StatusReply > (
 Arena * arena)
```

### 8.5.2.51 Arena::CreateMaybeMessage< ::briar::StatusRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::StatusRequest* Arena::CreateMaybeMessage< ::briar::StatusRequest > (
 Arena * arena)
```

### 8.5.2.52 Arena::CreateMaybeMessage< ::briar::TrackReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::TrackReply* Arena::CreateMaybeMessage< ::briar::TrackReply > (
 Arena * arena)
```

### 8.5.2.53 Arena::CreateMaybeMessage< ::briar::TrackRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::TrackRequest* Arena::CreateMaybeMessage< ::briar::TrackRequest > (
 Arena * arena)
```

### 8.5.2.54 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply > (
 Arena * arena)
```

### 8.5.2.55 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse > (
 Arena * arena)
```

### 8.5.2.56 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse > (
 Arena * arena)
```

**8.5.2.57 Arena::CreateMaybeMessage<  
  ::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse >()**

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse > (
 Arena * arena)
```

**8.5.2.58 Arena::CreateMaybeMessage<  
  ::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse >()**

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse > (
 Arena * arena)
```

**8.5.2.59 Arena::CreateMaybeMessage<  
  ::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse >()**

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse > (
 Arena * arena)
```

**8.5.2.60 Arena::CreateMaybeMessage<  
  ::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse >()**

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse* Arena::←
CreateMaybeMessage< ::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse > (
 Arena * arena)
```

**8.5.2.61 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseRequest >()**

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyDatabaseRequest* Arena::CreateMaybeMessage< ::briar::VerifyDatabaseRequest
> (
 Arena * arena)
```

### 8.5.2.62 Arena::CreateMaybeMessage< ::briar::VerifyReply >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyReply* Arena::CreateMaybeMessage< ::briar::VerifyReply > (
 Arena * arena)
```

### 8.5.2.63 Arena::CreateMaybeMessage< ::briar::VerifyRequest >()

```
template<>
PROTOBUF_NOINLINE ::briar::VerifyRequest* Arena::CreateMaybeMessage< ::briar::VerifyRequest > (
 Arena * arena)
```

### 8.5.2.64 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto\_getter()

```
PROTOBUF_ATTRIBUTE_WEAK const ::pbi::DescriptorTable* descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto_getter ()
```

### 8.5.2.65 PROTOBUF\_SECTION\_VARIABLE()

```
const uint32_t TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto::offsets [] PROTOBUF_SECTION_VARIABLE (
 protodesc_cold)
```

## 8.5.3 Variable Documentation

### 8.5.3.1 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto

```
static PROTOBUF_ATTRIBUTE_INIT_PRIORITY2::pbi::AddDescriptorsRunner dynamic_init_dummy_< briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto & descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto>
```

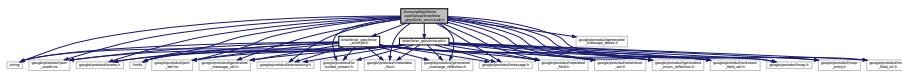
#### Initial value:

```
= {
 false, false, 13761, descriptor_table_protodef_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto,
 "briar/briar_grpc/briar_service.proto",
 &descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto_once,
 descriptor_table_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto_deps, 2, 63,
 schemas, file_default_instances, TableStruct_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto::offsets,
 file_level_metadata_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto,
 file_level_enum_descriptors_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto,
 file_level_service_descriptors_briar_2fbriar_5fgrpc_2fbriar_5fservice_2eproto,
}
```

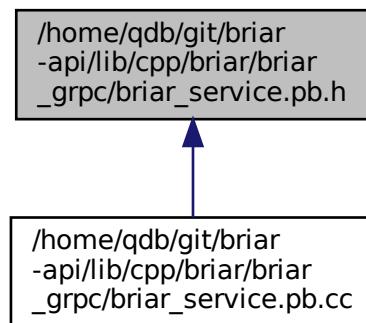
## 8.6 /home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_service.pb.h File Reference

```
#include <limits>
#include <string>
#include <google/protobuf/port_def.inc>
#include <google/protobuf/port_undef.inc>
#include <google/protobuf/io/coded_stream.h>
#include <google/protobuf/arena.h>
#include <google/protobuf/arenastring.h>
#include <google/protobuf/generated_message_bases.h>
#include <google/protobuf/generated_message_util.h>
#include <google/protobuf/metadata_lite.h>
#include <google/protobuf/generated_message_reflection.h>
#include <google/protobuf/message.h>
#include <google/protobuf/repeated_field.h>
#include <google/protobuf/extension_set.h>
#include <google/protobuf/map.h>
#include <google/protobuf/map_entry.h>
#include <google/protobuf/map_field_inl.h>
#include <google/protobuf/generated_enum_reflection.h>
#include <google/protobuf/unknown_field_set.h>
#include "briar/briar_grpc/briar_error.pb.h"
#include "briar/briar_grpc/briar.pb.h"
```

Include dependency graph for briar\_service.pb.h:



This graph shows which files directly or indirectly include this file:



## Classes

- class [briar::BriarServiceConfigurationReply](#)

- class briar::BriarServiceConfigurationRequest
- class briar::ClusterReply
- class briar::ClusterRequest
- class briar::DatabaseCheckpointReply
- class briar::DatabaseCheckpointRequest
- class briar::DatabaseCheckpointSubjectRequest
- class briar::DatabaseCreateReply
- class briar::DatabaseCreateRequest
- class briar::DatabaseDeleteReply
- class briar::DatabaseDeleteRequest
- class briar::DatabaseFinalizeReply
- class briar::DatabaseFinalizeRequest
- class briar::DatabaseHasEntryReply
- class briar::DatabaseHasEntryRequest
- class briar::DatabaseInfoReply
- class briar::DatabaseInfoRequest
- class briar::DatabaseInsertReply
- class briar::DatabaseInsertRequest
- class briar::DatabaseListentriesReply
- class briar::DatabaseListEntriesRequest
- class briar::DatabaseListReply
- class briar::DatabaseListRequest
- class briar::DatabaseLoadReply
- class briar::DatabaseLoadRequest
- class briar::DatabaseMergeReply
- class briar::DatabaseMergeRequest
- class briar::DatabaseMoveEntryReply
- class briar::DatabaseMoveEntryRequest
- class briar::DatabaseRemoveTmplsReply
- class briar::DatabaseRemoveTmplsRequest
- class briar::DatabaseRenameReply
- class briar::DatabaseRenameRequest
- class briar::DatabaseRetrieveReply
- class briar::DatabaseRetrieveRequest
- class briar::DetectReply
- class briar::DetectRequest
- class briar::Empty
- class briar::EnhanceReply
- class briar::EnhanceRequest
- class briar::EnrollCustomRequest
- class briar::EnrollReply
- class briar::EnrollRequest
- class briar::ExtractReply
- class briar::ExtractRequest
- struct is\_proto\_enum< ::briar::VerifyRequest\_VerifyRole >
- class briar::SearchDatabaseReply
- class briar::SearchDatabaseRequest
- class briar::SearchReply
- class briar::SearchRequest
- class briar::StatusReply
- class briar::StatusRequest
- struct TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2proto
- class briar::TrackReply
- class briar::TrackRequest
- class briar::VerifyDatabaseReply

- class briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse
- class briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse
- class briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse
- class briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse
- class briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse
- class briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse
- class briar::VerifyDatabaseRequest
- class briar::VerifyReply
- class briar::VerifyRequest

## Namespaces

- briar
- internal

## Macros

- #define PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto

## Enumerations

- enum briar::VerifyRequest\_VerifyRole : int { briar::VerifyRequest\_VerifyRole\_reference = 0 , briar::VerifyRequest\_VerifyRole\_ver = 1 , briar::VerifyRequest\_VerifyRole\_VerifyRequest\_VerifyRole\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_ = std::numeric\_limits<int32\_t>::min() , briar::VerifyRequest\_VerifyRole\_VerifyRequest\_VerifyRole\_INT\_MAX\_SENTINEL\_DO\_N = std::numeric\_limits<int32\_t>::max() }

## Functions

- template<> PROTOBUF\_NAMESPACE\_OPEN ::briar::BriarServiceConfigurationReply \* Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationRequest> (Arena \*)
- template<> ::briar::BriarServiceConfigurationRequest \* Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationRequest> (Arena \*)
- template<> ::briar::ClusterReply \* Arena::CreateMaybeMessage<::briar::ClusterReply> (Arena \*)
- template<> ::briar::ClusterRequest \* Arena::CreateMaybeMessage<::briar::ClusterRequest> (Arena \*)
- template<> ::briar::DatabaseCheckpointReply \* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointReply> (Arena \*)
- template<> ::briar::DatabaseCheckpointRequest \* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointRequest> (Arena \*)
- template<> ::briar::DatabaseCheckpointSubjectRequest \* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointSubjectRequest> (Arena \*)
- template<> ::briar::DatabaseCreateReply \* Arena::CreateMaybeMessage<::briar::DatabaseCreateReply> (Arena \*)
- template<> ::briar::DatabaseCreateRequest \* Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest> (Arena \*)
- template<> ::briar::DatabaseDeleteReply \* Arena::CreateMaybeMessage<::briar::DatabaseDeleteReply> (Arena \*)
- template<> ::briar::DatabaseDeleteRequest \* Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest> (Arena \*)
- template<> ::briar::DatabaseFinalizeReply \* Arena::CreateMaybeMessage<::briar::DatabaseFinalizeReply> (Arena \*)

- template<> ::briar::DatabaseFinalizeRequest \* Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest > (Arena \*)
- template<> ::briar::DatabaseHasEntryReply \* Arena::CreateMaybeMessage<::briar::DatabaseHasEntryReply > (Arena \*)
- template<> ::briar::DatabaseHasEntryRequest \* Arena::CreateMaybeMessage<::briar::DatabaseHasEntryRequest > (Arena \*)
- template<> ::briar::DatabaseInfoReply \* Arena::CreateMaybeMessage<::briar::DatabaseInfoReply > (Arena \*)
- template<> ::briar::DatabaseInfoRequest \* Arena::CreateMaybeMessage<::briar::DatabaseInfoRequest > (Arena \*)
- template<> ::briar::DatabaseInsertReply \* Arena::CreateMaybeMessage<::briar::DatabaseInsertReply > (Arena \*)
- template<> ::briar::DatabaseInsertRequest \* Arena::CreateMaybeMessage<::briar::DatabaseInsertRequest > (Arena \*)
- template<> ::briar::DatabaseListEntriesReply \* Arena::CreateMaybeMessage<::briar::DatabaseListEntriesReply > (Arena \*)
- template<> ::briar::DatabaseListEntriesRequest \* Arena::CreateMaybeMessage<::briar::DatabaseListEntriesRequest > (Arena \*)
- template<> ::briar::DatabaseListReply \* Arena::CreateMaybeMessage<::briar::DatabaseListReply > (Arena \*)
- template<> ::briar::DatabaseListRequest \* Arena::CreateMaybeMessage<::briar::DatabaseListRequest > (Arena \*)
- template<> ::briar::DatabaseLoadReply \* Arena::CreateMaybeMessage<::briar::DatabaseLoadReply > (Arena \*)
- template<> ::briar::DatabaseLoadRequest \* Arena::CreateMaybeMessage<::briar::DatabaseLoadRequest > (Arena \*)
- template<> ::briar::DatabaseMergeReply \* Arena::CreateMaybeMessage<::briar::DatabaseMergeReply > (Arena \*)
- template<> ::briar::DatabaseMergeRequest \* Arena::CreateMaybeMessage<::briar::DatabaseMergeRequest > (Arena \*)
- template<> ::briar::DatabaseMoveEntryReply \* Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryReply > (Arena \*)
- template<> ::briar::DatabaseMoveEntryRequest \* Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryRequest > (Arena \*)
- template<> ::briar::DatabaseRemoveTmplsReply \* Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsReply > (Arena \*)
- template<> ::briar::DatabaseRemoveTmplsRequest \* Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsRequest > (Arena \*)
- template<> ::briar::DatabaseRenameReply \* Arena::CreateMaybeMessage<::briar::DatabaseRenameReply > (Arena \*)
- template<> ::briar::DatabaseRenameRequest \* Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest > (Arena \*)
- template<> ::briar::DatabaseRetrieveReply \* Arena::CreateMaybeMessage<::briar::DatabaseRetrieveReply > (Arena \*)
- template<> ::briar::DatabaseRetrieveRequest \* Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest > (Arena \*)
- template<> ::briar::DetectReply \* Arena::CreateMaybeMessage<::briar::DetectReply > (Arena \*)
- template<> ::briar::DetectRequest \* Arena::CreateMaybeMessage<::briar::DetectRequest > (Arena \*)
- template<> ::briar::Empty \* Arena::CreateMaybeMessage<::briar::Empty > (Arena \*)
- template<> ::briar::EnhanceReply \* Arena::CreateMaybeMessage<::briar::EnhanceReply > (Arena \*)
- template<> ::briar::EnhanceRequest \* Arena::CreateMaybeMessage<::briar::EnhanceRequest > (Arena \*)
- template<> ::briar::EnrollCustomRequest \* Arena::CreateMaybeMessage<::briar::EnrollCustomRequest > (Arena \*)
- template<> ::briar::EnrollReply \* Arena::CreateMaybeMessage<::briar::EnrollReply > (Arena \*)
- template<> ::briar::EnrollRequest \* Arena::CreateMaybeMessage<::briar::EnrollRequest > (Arena \*)

- template<> ::briar::ExtractReply \* Arena::CreateMaybeMessage<::briar::ExtractReply > (Arena \*)
- template<> ::briar::ExtractRequest \* Arena::CreateMaybeMessage<::briar::ExtractRequest > (Arena \*)
- template<> ::briar::SearchDatabaseReply \* Arena::CreateMaybeMessage<::briar::SearchDatabaseReply > (Arena \*)
- template<> ::briar::SearchDatabaseRequest \* Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest > (Arena \*)
- template<> ::briar::SearchReply \* Arena::CreateMaybeMessage<::briar::SearchReply > (Arena \*)
- template<> ::briar::SearchRequest \* Arena::CreateMaybeMessage<::briar::SearchRequest > (Arena \*)
- template<> ::briar::StatusReply \* Arena::CreateMaybeMessage<::briar::StatusReply > (Arena \*)
- template<> ::briar::StatusRequest \* Arena::CreateMaybeMessage<::briar::StatusRequest > (Arena \*)
- template<> ::briar::TrackReply \* Arena::CreateMaybeMessage<::briar::TrackReply > (Arena \*)
- template<> ::briar::TrackRequest \* Arena::CreateMaybeMessage<::briar::TrackRequest > (Arena \*)
- template<> ::briar::VerifyDatabaseReply \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse > (Arena \*)
- template<> ::briar::VerifyDatabaseRequest \* Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest > (Arena \*)
- template<> ::briar::VerifyReply \* Arena::CreateMaybeMessage<::briar::VerifyReply > (Arena \*)
- template<> ::briar::VerifyRequest \* Arena::CreateMaybeMessage<::briar::VerifyRequest > (Arena \*)
- template<> const EnumDescriptor \* GetEnumDescriptor<::briar::VerifyRequest\_VerifyRole > ()
- const ::PROTOBUF\_NAMESPACE\_ID::EnumDescriptor \* briar::VerifyRequest\_VerifyRole\_descriptor ()
- bool briar::VerifyRequest\_VerifyRole\_IsValid (int value)
- template<typename T >  
const std::string & briar::VerifyRequest\_VerifyRole\_Name (T enum\_t\_value)
- bool briar::VerifyRequest\_VerifyRole\_Parse (::PROTOBUF\_NAMESPACE\_ID::ConstStringParam name, VerifyRequest\_VerifyRole \*value)

## Variables

- const ::PROTOBUF\_NAMESPACE\_ID::internal::DescriptorTable descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprc
- constexpr int briar::VerifyRequest\_VerifyRole\_VerifyRole\_ARRAYSIZE = VerifyRequest\_VerifyRole\_VerifyRole\_MAX + 1
- constexpr VerifyRequest\_VerifyRole briar::VerifyRequest\_VerifyRole\_VerifyRole\_MAX = VerifyRequest\_VerifyRole\_verify
- constexpr VerifyRequest\_VerifyRole briar::VerifyRequest\_VerifyRole\_VerifyRole\_MIN = VerifyRequest\_VerifyRole\_reference

### 8.6.1 Macro Definition Documentation

### 8.6.1.1 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2proto

```
#define PROTOBUF_INTERNAL_EXPORT_briar_2fbriar_5fgrpc_2fbriar_5fservice_2proto
```

## 8.6.2 Function Documentation

### 8.6.2.1 Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationReply>()

```
template<>
PROTOBUF_NAMESPACE_OPEN ::briar::BriarServiceConfigurationReply* Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationReply > (
 Arena *)
```

### 8.6.2.2 Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationRequest>()

```
template<>
::briar::BriarServiceConfigurationRequest* Arena::CreateMaybeMessage<::briar::BriarServiceConfigurationRequest > (
 Arena *)
```

### 8.6.2.3 Arena::CreateMaybeMessage<::briar::ClusterReply>()

```
template<>
::briar::ClusterReply* Arena::CreateMaybeMessage<::briar::ClusterReply > (
 Arena *)
```

### 8.6.2.4 Arena::CreateMaybeMessage<::briar::ClusterRequest>()

```
template<>
::briar::ClusterRequest* Arena::CreateMaybeMessage<::briar::ClusterRequest > (
 Arena *)
```

### 8.6.2.5 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointReply>()

```
template<>
::briar::DatabaseCheckpointReply* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointReply > (
 Arena *)
```

### 8.6.2.6 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointRequest >()

```
template<>
::briar::DatabaseCheckpointRequest* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointRequest
> (
 Arena *)
```

### 8.6.2.7 Arena::CreateMaybeMessage<::briar::DatabaseCheckpointSubjectRequest >()

```
template<>
::briar::DatabaseCheckpointSubjectRequest* Arena::CreateMaybeMessage<::briar::DatabaseCheckpointSubjectRequest
> (
 Arena *)
```

### 8.6.2.8 Arena::CreateMaybeMessage<::briar::DatabaseCreateReply >()

```
template<>
::briar::DatabaseCreateReply* Arena::CreateMaybeMessage<::briar::DatabaseCreateReply > (
 Arena *)
```

### 8.6.2.9 Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest >()

```
template<>
::briar::DatabaseCreateRequest* Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest > (
 Arena *)
```

### 8.6.2.10 Arena::CreateMaybeMessage<::briar::DatabaseDeleteReply >()

```
template<>
::briar::DatabaseDeleteReply* Arena::CreateMaybeMessage<::briar::DatabaseDeleteReply > (
 Arena *)
```

### 8.6.2.11 Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest >()

```
template<>
::briar::DatabaseDeleteRequest* Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest > (
 Arena *)
```

**8.6.2.12 Arena::CreateMaybeMessage<::briar::DatabaseFinalizeReply >()**

```
template<>
::briar::DatabaseFinalizeReply* Arena::CreateMaybeMessage<::briar::DatabaseFinalizeReply > (
 Arena *)
```

**8.6.2.13 Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest >()**

```
template<>
::briar::DatabaseFinalizeRequest* Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest >(
 Arena *)
```

**8.6.2.14 Arena::CreateMaybeMessage<::briar::DatabaseHasEntryReply >()**

```
template<>
::briar::DatabaseHasEntryReply* Arena::CreateMaybeMessage<::briar::DatabaseHasEntryReply > (
 Arena *)
```

**8.6.2.15 Arena::CreateMaybeMessage<::briar::DatabaseHasEntryRequest >()**

```
template<>
::briar::DatabaseHasEntryRequest* Arena::CreateMaybeMessage<::briar::DatabaseHasEntryRequest >(
 Arena *)
```

**8.6.2.16 Arena::CreateMaybeMessage<::briar::DatabaseInfoReply >()**

```
template<>
::briar::DatabaseInfoReply* Arena::CreateMaybeMessage<::briar::DatabaseInfoReply > (
 Arena *)
```

**8.6.2.17 Arena::CreateMaybeMessage<::briar::DatabaseInfoRequest >()**

```
template<>
::briar::DatabaseInfoRequest* Arena::CreateMaybeMessage<::briar::DatabaseInfoRequest > (
 Arena *)
```

**8.6.2.18 Arena::CreateMaybeMessage<::briar::DatabaseInsertReply >()**

```
template<>
::briar::DatabaseInsertReply* Arena::CreateMaybeMessage<::briar::DatabaseInsertReply > (
 Arena *)
```

**8.6.2.19 Arena::CreateMaybeMessage<::briar::DatabaseInsertRequest >()**

```
template<>
::briar::DatabaseInsertRequest* Arena::CreateMaybeMessage<::briar::DatabaseInsertRequest > (
 Arena *)
```

**8.6.2.20 Arena::CreateMaybeMessage<::briar::DatabaseListentriesReply >()**

```
template<>
::briar::DatabaseListentriesReply* Arena::CreateMaybeMessage<::briar::DatabaseListentriesReply
> (
 Arena *)
```

**8.6.2.21 Arena::CreateMaybeMessage<::briar::DatabaseListEntriesRequest >()**

```
template<>
::briar::DatabaseListEntriesRequest* Arena::CreateMaybeMessage<::briar::DatabaseListEntriesRequest
> (
 Arena *)
```

**8.6.2.22 Arena::CreateMaybeMessage<::briar::DatabaseListReply >()**

```
template<>
::briar::DatabaseListReply* Arena::CreateMaybeMessage<::briar::DatabaseListReply > (
 Arena *)
```

**8.6.2.23 Arena::CreateMaybeMessage<::briar::DatabaseListRequest >()**

```
template<>
::briar::DatabaseListRequest* Arena::CreateMaybeMessage<::briar::DatabaseListRequest > (
 Arena *)
```

### 8.6.2.24 Arena::CreateMaybeMessage<::briar::DatabaseLoadReply >()

```
template<>
::briar::DatabaseLoadReply* Arena::CreateMaybeMessage<::briar::DatabaseLoadReply > (
 Arena *)
```

### 8.6.2.25 Arena::CreateMaybeMessage<::briar::DatabaseLoadRequest >()

```
template<>
::briar::DatabaseLoadRequest* Arena::CreateMaybeMessage<::briar::DatabaseLoadRequest > (
 Arena *)
```

### 8.6.2.26 Arena::CreateMaybeMessage<::briar::DatabaseMergeReply >()

```
template<>
::briar::DatabaseMergeReply* Arena::CreateMaybeMessage<::briar::DatabaseMergeReply > (
 Arena *)
```

### 8.6.2.27 Arena::CreateMaybeMessage<::briar::DatabaseMergeRequest >()

```
template<>
::briar::DatabaseMergeRequest* Arena::CreateMaybeMessage<::briar::DatabaseMergeRequest > (
 Arena *)
```

### 8.6.2.28 Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryReply >()

```
template<>
::briar::DatabaseMoveEntryReply* Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryReply > (
 Arena *)
```

### 8.6.2.29 Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryRequest >()

```
template<>
::briar::DatabaseMoveEntryRequest* Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryRequest > (
 Arena *)
```

**8.6.2.30 Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsReply >()**

```
template<>
::briar::DatabaseRemoveTmplsReply* Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsReply
> (
 Arena *)
```

**8.6.2.31 Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsRequest >()**

```
template<>
::briar::DatabaseRemoveTmplsRequest* Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsRequest
> (
 Arena *)
```

**8.6.2.32 Arena::CreateMaybeMessage<::briar::DatabaseRenameReply >()**

```
template<>
::briar::DatabaseRenameReply* Arena::CreateMaybeMessage<::briar::DatabaseRenameReply > (
 Arena *)
```

**8.6.2.33 Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest >()**

```
template<>
::briar::DatabaseRenameRequest* Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest > (
 Arena *)
```

**8.6.2.34 Arena::CreateMaybeMessage<::briar::DatabaseRetrieveReply >()**

```
template<>
::briar::DatabaseRetrieveReply* Arena::CreateMaybeMessage<::briar::DatabaseRetrieveReply > (
 Arena *)
```

**8.6.2.35 Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest >()**

```
template<>
::briar::DatabaseRetrieveRequest* Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest >
(
 Arena *)
```

### 8.6.2.36 Arena::CreateMaybeMessage<::briar::DetectReply >()

```
template<>
::briar::DetectReply* Arena::CreateMaybeMessage<::briar::DetectReply > (
 Arena *)
```

### 8.6.2.37 Arena::CreateMaybeMessage<::briar::DetectRequest >()

```
template<>
::briar::DetectRequest* Arena::CreateMaybeMessage<::briar::DetectRequest > (
 Arena *)
```

### 8.6.2.38 Arena::CreateMaybeMessage<::briar::Empty >()

```
template<>
::briar::Empty* Arena::CreateMaybeMessage<::briar::Empty > (
 Arena *)
```

### 8.6.2.39 Arena::CreateMaybeMessage<::briar::EnhanceReply >()

```
template<>
::briar::EnhanceReply* Arena::CreateMaybeMessage<::briar::EnhanceReply > (
 Arena *)
```

### 8.6.2.40 Arena::CreateMaybeMessage<::briar::EnhanceRequest >()

```
template<>
::briar::EnhanceRequest* Arena::CreateMaybeMessage<::briar::EnhanceRequest > (
 Arena *)
```

### 8.6.2.41 Arena::CreateMaybeMessage<::briar::EnrollCustomRequest >()

```
template<>
::briar::EnrollCustomRequest* Arena::CreateMaybeMessage<::briar::EnrollCustomRequest > (
 Arena *)
```

#### 8.6.2.42 Arena::CreateMaybeMessage<::briar::EnrollReply>()

```
template<>
::briar::EnrollReply* Arena::CreateMaybeMessage<::briar::EnrollReply> (
 Arena *)
```

#### 8.6.2.43 Arena::CreateMaybeMessage<::briar::EnrollRequest>()

```
template<>
::briar::EnrollRequest* Arena::CreateMaybeMessage<::briar::EnrollRequest> (
 Arena *)
```

#### 8.6.2.44 Arena::CreateMaybeMessage<::briar::ExtractReply>()

```
template<>
::briar::ExtractReply* Arena::CreateMaybeMessage<::briar::ExtractReply> (
 Arena *)
```

#### 8.6.2.45 Arena::CreateMaybeMessage<::briar::ExtractRequest>()

```
template<>
::briar::ExtractRequest* Arena::CreateMaybeMessage<::briar::ExtractRequest> (
 Arena *)
```

#### 8.6.2.46 Arena::CreateMaybeMessage<::briar::SearchDatabaseReply>()

```
template<>
::briar::SearchDatabaseReply* Arena::CreateMaybeMessage<::briar::SearchDatabaseReply> (
 Arena *)
```

#### 8.6.2.47 Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest>()

```
template<>
::briar::SearchDatabaseRequest* Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest> (
 Arena *)
```

#### 8.6.2.48 Arena::CreateMaybeMessage<::briar::SearchReply >()

```
template<>
::briar::SearchReply* Arena::CreateMaybeMessage<::briar::SearchReply > (
 Arena *)
```

#### 8.6.2.49 Arena::CreateMaybeMessage<::briar::SearchRequest >()

```
template<>
::briar::SearchRequest* Arena::CreateMaybeMessage<::briar::SearchRequest > (
 Arena *)
```

#### 8.6.2.50 Arena::CreateMaybeMessage<::briar::StatusReply >()

```
template<>
::briar::StatusReply* Arena::CreateMaybeMessage<::briar::StatusReply > (
 Arena *)
```

#### 8.6.2.51 Arena::CreateMaybeMessage<::briar::StatusRequest >()

```
template<>
::briar::StatusRequest* Arena::CreateMaybeMessage<::briar::StatusRequest > (
 Arena *)
```

#### 8.6.2.52 Arena::CreateMaybeMessage<::briar::TrackReply >()

```
template<>
::briar::TrackReply* Arena::CreateMaybeMessage<::briar::TrackReply > (
 Arena *)
```

#### 8.6.2.53 Arena::CreateMaybeMessage<::briar::TrackRequest >()

```
template<>
::briar::TrackRequest* Arena::CreateMaybeMessage<::briar::TrackRequest > (
 Arena *)
```

**8.6.2.54 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply >()**

```
template<>
::briar::VerifyDatabaseReply* Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply > (
 Arena *)
```

**8.6.2.55 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse >()**

```
template<>
::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse* Arena::CreateMaybeMessage<::
::briar::VerifyDatabaseReply_MatrixGalleryAttributesEntry_DoNotUse > (
 Arena *)
```

**8.6.2.56 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse >()**

```
template<>
::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse* Arena::CreateMaybeMessage<::
::briar::VerifyDatabaseReply_MatrixGalleryDetectionsEntry_DoNotUse > (
 Arena *)
```

**8.6.2.57 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse >()**

```
template<>
::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse* Arena::CreateMaybeMessage<::
::briar::VerifyDatabaseReply_MatrixGalleryTrackletsEntry_DoNotUse > (
 Arena *)
```

**8.6.2.58 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse >()**

```
template<>
::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse* Arena::CreateMaybeMessage<::
::briar::VerifyDatabaseReply_MatrixProbeAttributesEntry_DoNotUse > (
 Arena *)
```

### 8.6.2.59 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse >()

```
template<>
::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse* Arena::CreateMaybeMessage<↔
::briar::VerifyDatabaseReply_MatrixProbeDetectionsEntry_DoNotUse > (
 Arena *)
```

### 8.6.2.60 Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse >()

```
template<>
::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse* Arena::CreateMaybeMessage<↔
::briar::VerifyDatabaseReply_MatrixProbeTrackletsEntry_DoNotUse > (
 Arena *)
```

### 8.6.2.61 Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest >()

```
template<>
::briar::VerifyDatabaseRequest* Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest > (
 Arena *)
```

### 8.6.2.62 Arena::CreateMaybeMessage<::briar::VerifyReply >()

```
template<>
::briar::VerifyReply* Arena::CreateMaybeMessage<::briar::VerifyReply > (
 Arena *)
```

### 8.6.2.63 Arena::CreateMaybeMessage<::briar::VerifyRequest >()

```
template<>
::briar::VerifyRequest* Arena::CreateMaybeMessage<::briar::VerifyRequest > (
 Arena *)
```

### 8.6.2.64 GetEnumDescriptor< ::briar::VerifyRequest\_VerifyRole >()

```
template<>
const EnumDescriptor* GetEnumDescriptor< ::briar::VerifyRequest_VerifyRole > () [inline]
```

### 8.6.3 Variable Documentation

#### 8.6.3.1 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2епрото

```
const ::PROTOBUF_NAMESPACE_ID::internal::DescriptorTable descriptor_table_briar_2fbriar_←
5fgrpc_2fbriar_5fservice_2епрото [extern]
```

## 8.7 stubs\_readme.md File Reference



# Index

/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar.pb.cc, briar::DatabaseInsertRequest, 617  
1651  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar.pb.h, briar::DatabaseListentriesReply, 631  
1673  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_error.pb.cc,briar::DatabaseListEntriesRequest, 643  
1689  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_error.pb.h, briar::DatabaseListReply, 654  
1691  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_service.pb.briar::DatabaseLoadRequest, 690  
1695  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_service.pb.briar::DatabaseMergeReply, 702  
briar::DatabaseMergeRequest, 715  
briar::DatabaseMoveEntryReply, 726  
/home/qdb/git/briar-api/lib/cpp/briar/briar\_grpc/briar\_service.pb.briar::DatabaseMoveEntryRequest, 739  
1723  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper  
briar::APIVersion, 138  
briar::Attribute, 163  
briar::BoolOption, 173  
briar::BriarDatabase, 183  
briar::BriarDatabaseInfo, 203  
briar::BriarDuration, 213  
briar::BriarDurations, 230  
briar::BriarDurationsList, 245  
briar::BriarErrorMessage, 255  
briar::BriarErrors, 266  
briar::BriarMatrix, 290  
briar::BriarMedia, 314  
briar::BriarPoint2D, 329  
briar::BriarProgress, 339  
briar::BriarRect, 350  
briar::BriarServiceConfigurationReply, 364  
briar::BriarServiceConfigurationRequest, 372  
briar::BriarVector, 382  
briar::ClusterConfidence, 391  
briar::ClusterIds, 403  
briar::ClusterReply, 418  
briar::ClusterRequest, 429  
briar::DatabaseCheckpointReply, 441  
briar::DatabaseCheckpointRequest, 455  
briar::DatabaseCheckpointSubjectRequest, 470  
briar::DatabaseCreateReply, 483  
briar::DatabaseCreateRequest, 496  
briar::DatabaseDeleteReply, 508  
briar::DatabaseDeleteRequest, 520  
briar::DatabaseFinalizeReply, 532  
briar::DatabaseFinalizeRequest, 542  
briar::DatabaseHasEntryReply, 554  
briar::DatabaseHasEntryRequest, 565  
briar::DatabaseInfoReply, 577  
briar::DatabaseInfoRequest, 589  
briar::DatabaseInsertReply, 602  
briar::DatabaseRemoveTmplsReply, 751  
briar::DatabaseRemoveTmplsRequest, 764  
briar::DatabaseRenameReply, 776  
briar::DatabaseRenameRequest, 787  
briar::DatabaseRetrieveReply, 802  
briar::DatabaseRetrieveRequest, 815  
briar::Detection, 833  
briar::DetectionOptions, 858  
briar::DetectReply, 874  
briar::DetectRequest, 892  
briar::Empty, 899  
briar::EnhanceOptions, 914  
briar::EnhanceReply, 928  
briar::EnhanceRequest, 944  
briar::EnrollCustomRequest, 962  
briar::EnrollmentInfo, 979  
briar::EnrollOptions, 1003  
briar::EnrollReply, 1023  
briar::EnrollRequest, 1049  
briar::ExtractOptions, 1066  
briar::ExtractReply, 1084  
briar::ExtractRequest, 1099  
briar::FloatOption, 1109  
briar::FrameMetadata, 1119  
briar::IntOption, 1129  
briar::MediaMetadata, 1152  
briar::Record, 1180  
briar::RecordList, 1199  
briar::SearchDatabaseReply, 1213  
briar::SearchDatabaseRequest, 1229  
briar::SearchMatchInfo, 1252  
briar::SearchMatchList, 1262  
briar::SearchOptions, 1287  
briar::SearchReply, 1305  
briar::SearchRequest, 1324  
briar::StatusReply, 1341  
briar::StatusRequest, 1348  
briar::StringOption, 1358

briar::Template, 1377  
briar::TemplateData, 1392  
briar::TemplateIds, 1406  
briar::TemplateImageInput, 1417  
briar::TemplateList, 1427  
briar::TemplateListGroup, 1437  
briar::TrackingOptions, 1454  
briar::Tracklet, 1469  
briar::TrackReply, 1485  
briar::TrackRequest, 1500  
briar::VerifyDatabaseReply, 1518  
briar::VerifyDatabaseRequest, 1561  
briar::VerifyMatchInfo, 1584  
briar::VerifyMatchList, 1594  
briar::VerifyOptions, 1610  
briar::VerifyReply, 1626  
briar::VerifyRequest, 1646  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata  
briar::APIVersion, 138  
briar::Attribute, 163  
briar::BoolOption, 173  
briar::BriarDatabase, 183  
briar::BriarDatabaseInfo, 203  
briar::BriarDuration, 213  
briar::BriarDurations, 230  
briar::BriarDurationsList, 245  
briar::BriarErrorMessage, 256  
briar::BriarErrors, 266  
briar::BriarMatrix, 290  
briar::BriarMedia, 314  
briar::BriarPoint2D, 329  
briar::BriarProgress, 339  
briar::BriarRect, 350  
briar::BriarServiceConfigurationReply, 364  
briar::BriarServiceConfigurationRequest, 372  
briar::BriarVector, 382  
briar::ClusterConfidence, 391  
briar::ClusterIds, 403  
briar::ClusterReply, 418  
briar::ClusterRequest, 429  
briar::DatabaseCheckpointReply, 442  
briar::DatabaseCheckpointRequest, 455  
briar::DatabaseCheckpointSubjectRequest, 470  
briar::DatabaseCreateReply, 483  
briar::DatabaseCreateRequest, 496  
briar::DatabaseDeleteReply, 508  
briar::DatabaseDeleteRequest, 520  
briar::DatabaseFinalizeReply, 532  
briar::DatabaseFinalizeRequest, 542  
briar::DatabaseHasEntryReply, 554  
briar::DatabaseHasEntryRequest, 565  
briar::DatabaseInfoReply, 578  
briar::DatabaseInfoRequest, 589  
briar::DatabaseInsertReply, 602  
briar::DatabaseInsertRequest, 617  
briar::DatabaseListentriesReply, 631  
briar::DatabaseListEntriesRequest, 643  
briar::DatabaseListReply, 654  
briar::DatabaseListRequest, 665  
briar::DatabaseLoadReply, 679  
briar::DatabaseLoadRequest, 690  
briar::DatabaseMergeReply, 702  
briar::DatabaseMergeRequest, 715  
briar::DatabaseMoveEntryReply, 726  
briar::DatabaseMoveEntryRequest, 739  
briar::DatabaseRemoveTmplsReply, 751  
briar::DatabaseRemoveTmplsRequest, 764  
briar::DatabaseRenameReply, 776  
briar::DatabaseRenameRequest, 787  
briar::DatabaseRetrieveReply, 802  
briar::DatabaseRetrieveRequest, 815  
briar::Detection, 834  
briar::DetectionOptions, 858  
briar::DetectReply, 875  
briar::DetectRequest, 892  
briar::Empty, 899  
briar::EnhanceOptions, 914  
briar::EnhanceReply, 929  
briar::EnhanceRequest, 944  
briar::EnrollCustomRequest, 962  
briar::EnrollmentInfo, 979  
briar::EnrollOptions, 1003  
briar::EnrollReply, 1023  
briar::EnrollRequest, 1049  
briar::ExtractOptions, 1066  
briar::ExtractReply, 1084  
briar::ExtractRequest, 1099  
briar::FloatOption, 1109  
briar::FrameMetadata, 1119  
briar::IntOption, 1129  
briar::MediaMetadata, 1152  
briar::Record, 1180  
briar::RecordList, 1199  
briar::SearchDatabaseReply, 1213  
briar::SearchDatabaseRequest, 1230  
briar::SearchMatchInfo, 1252  
briar::SearchMatchList, 1262  
briar::SearchOptions, 1287  
briar::SearchReply, 1305  
briar::SearchRequest, 1324  
briar::StatusReply, 1341  
briar::StatusRequest, 1348  
briar::StringOption, 1359  
briar::Template, 1378  
briar::TemplateData, 1393  
briar::TemplateIds, 1406  
briar::TemplateImageInput, 1417  
briar::TemplateList, 1427  
briar::TemplateListGroup, 1437  
briar::TrackingOptions, 1454  
briar::Tracklet, 1469  
briar::TrackReply, 1485  
briar::TrackRequest, 1500  
briar::VerifyDatabaseReply, 1518  
briar::VerifyDatabaseRequest, 1561  
briar::VerifyMatchInfo, 1584

briar::VerifyMatchList, 1594  
briar::VerifyOptions, 1610  
briar::VerifyReply, 1626  
briar::VerifyRequest, 1646  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto  
    briar::APIVersion, 139  
    briar::Attribute, 163  
    briar::BoolOption, 173  
    briar::BriarDatabase, 183  
    briar::BriarDatabaseInfo, 203  
    briar::BriarDuration, 213  
    briar::BriarDurations, 230  
    briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
        234  
    briar::BriarDurationsList, 245  
    briar::BriarMatrix, 291  
    briar::BriarMedia, 315  
    briar::BriarPoint2D, 329  
    briar::BriarProgress, 339  
    briar::BriarRect, 350  
    briar::BriarVector, 382  
    briar::ClusterConfidence, 392  
    briar::ClusterIds, 403  
    briar::Detection, 834  
    briar::DetectionOptions, 858  
    briar::EnhanceOptions, 914  
    briar::EnrollmentInfo, 979  
    briar::EnrollOptions, 1003  
    briar::ExtractOptions, 1066  
    briar::FloatOption, 1109  
    briar::FrameMetadata, 1119  
    briar::IntOption, 1129  
    briar::MediaMetadata, 1152  
    briar::Record, 1180  
    briar::Record\_MediaPreviewsEntry\_DoNotUse,  
        1184  
    briar::Record\_SubjectPreviewsEntry\_DoNotUse,  
        1188  
    briar::RecordList, 1199  
    briar::SearchMatchInfo, 1252  
    briar::SearchMatchList, 1262  
    briar::SearchOptions, 1287  
    briar::StringOption, 1359  
    briar::Template, 1378  
    briar::TemplateData, 1393  
    briar::TemplateIds, 1406  
    briar::TemplateImageInput, 1417  
    briar::TemplateList, 1428  
    briar::TemplateListGroup, 1438  
    briar::TrackingOptions, 1455  
    briar::Tracklet, 1469  
    briar::VerifyMatchInfo, 1584  
    briar::VerifyMatchList, 1594  
    briar::VerifyOptions, 1610  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto  
    briar::BriarErrorMessage, 256  
    briar::BriarErrors, 266  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto  
    briar::BriarServiceConfigurationReply, 365  
    briar::BriarServiceConfigurationRequest, 372  
    briar::ClusterReply, 418  
    briar::ClusterRequest, 429  
    briar::DatabaseCheckpointReply, 442  
    briar::DatabaseCheckpointRequest, 455  
    briar::DatabaseCheckpointSubjectRequest, 470  
    briar::DatabaseCreateReply, 483  
    briar::DatabaseCreateRequest, 496  
    briar::DatabaseDeleteReply, 508  
    briar::DatabaseDeleteRequest, 520  
    briar::DatabaseFinalizeReply, 532  
    briar::DatabaseFinalizeRequest, 542  
    briar::DatabaseHasEntryReply, 554  
    briar::DatabaseHasEntryRequest, 566  
    briar::DatabaseInfoReply, 578  
    briar::DatabaseInfoRequest, 589  
    briar::DatabaseInsertReply, 603  
    briar::DatabaseInsertRequest, 617  
    briar::DatabaseListEntriesReply, 632  
    briar::DatabaseListEntriesRequest, 643  
    briar::DatabaseListReply, 654  
    briar::DatabaseListRequest, 665  
    briar::DatabaseLoadReply, 679  
    briar::DatabaseLoadRequest, 690  
    briar::DatabaseMergeReply, 703  
    briar::DatabaseMergeRequest, 715  
    briar::DatabaseMoveEntryReply, 726  
    briar::DatabaseMoveEntryRequest, 739  
    briar::DatabaseRemoveTmplsReply, 751  
    briar::DatabaseRemoveTmplsRequest, 764  
    briar::DatabaseRenameReply, 776  
    briar::DatabaseRenameRequest, 788  
    briar::DatabaseRetrieveReply, 802  
    briar::DatabaseRetrieveRequest, 815  
    briar::DetectReply, 875  
    briar::DetectRequest, 892  
    briar::Empty, 899  
    briar::EnhanceReply, 929  
    briar::EnhanceRequest, 944  
    briar::EnrollCustomRequest, 962  
    briar::EnrollReply, 1023  
    briar::EnrollRequest, 1050  
    briar::ExtractReply, 1084  
    briar::ExtractRequest, 1099  
    briar::SearchDatabaseReply, 1213  
    briar::SearchDatabaseRequest, 1230  
    briar::SearchReply, 1305  
    briar::SearchRequest, 1324  
    briar::StatusReply, 1341  
    briar::StatusRequest, 1348  
    briar::TrackReply, 1485  
    briar::TrackRequest, 1501  
    briar::VerifyDatabaseReply, 1518  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse,  
        1521  
    briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse,  
        1526

briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse\_1530  
briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse\_1535  
briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse\_1539  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse\_1544  
briar::VerifyDatabaseRequest, 1561  
briar::VerifyReply, 1627  
briar::VerifyRequest, 1646  
\_APIVersion\_default\_instance\_briar, 47  
\_Attribute\_default\_instance\_briar, 47  
\_BoolOption\_default\_instance\_briar, 48  
\_BriarDatabaseInfo\_default\_instance\_briar, 48  
\_BriarDatabase\_default\_instance\_briar, 48  
\_BriarDuration\_default\_instance\_briar, 48  
\_BriarDurationsList\_default\_instance\_briar, 48  
\_BriarDurations\_SubDurationsEntry\_DoNotUse\_default\_instance\_briar, 48  
\_BriarDurations\_default\_instance\_briar, 48  
\_BriarErrorMessage\_default\_instance\_briar, 49  
\_BriarErrors\_default\_instance\_briar, 49  
\_BriarMatrix\_default\_instance\_briar, 49  
\_BriarMedia\_default\_instance\_briar, 49  
\_BriarPoint2D\_default\_instance\_briar, 49  
\_BriarProgress\_default\_instance\_briar, 49  
\_BriarRect\_default\_instance\_briar, 49  
\_BriarServiceConfigurationReply\_default\_instance\_briar, 49  
\_BriarServiceConfigurationRequest\_default\_instance\_briar, 50  
\_BriarVector\_default\_instance\_briar, 50  
\_ClusterConfidence\_default\_instance\_briar, 50  
\_ClusterIds\_default\_instance\_briar, 50  
\_ClusterReply\_default\_instance\_briar, 50  
\_ClusterRequest\_default\_instance\_briar, 50  
\_DatabaseCheckpointReply\_default\_instance\_briar, 50  
\_DatabaseCheckpointRequest\_default\_instance\_briar, 51  
\_DatabaseCheckpointSubjectRequest\_default\_instance\_briar, 51  
\_DatabaseCreateReply\_default\_instance\_briar, 51  
\_DatabaseCreateRequest\_default\_instance\_briar, 51  
\_DatabaseDeleteReply\_default\_instance\_briar, 51  
\_DatabaseDeleteRequest\_default\_instance\_briar, 51  
\_DatabaseFinalizeReply\_default\_instance\_briar, 51  
\_DatabaseFinalizeRequest\_default\_instance\_briar, 52  
\_DatabaseHasEntryReply\_default\_instance\_briar, 52  
\_DatabaseHasEntryRequest\_default\_instance\_briar, 52  
\_DatabaseInfoReply\_default\_instance\_briar, 52  
\_DatabaseInfoRequest\_default\_instance\_briar, 52  
\_DatabaseInsertReply\_default\_instance\_briar, 52  
\_DatabaseInsertRequest\_default\_instance\_briar, 52  
\_DatabaseListEntriesRequest\_default\_instance\_briar, 53  
\_DatabaseListReply\_default\_instance\_briar, 53  
\_DatabaseListRequest\_default\_instance\_briar, 53  
\_DatabaseListentriesReply\_default\_instance\_briar, 52  
\_DatabaseLoadReply\_default\_instance\_briar, 53  
\_DatabaseLoadRequest\_default\_instance\_briar, 53  
\_DatabaseMergeReply\_default\_instance\_briar, 53  
\_DatabaseMergeRequest\_default\_instance\_briar, 53  
\_DatabaseMoveEntryReply\_default\_instance\_briar, 54  
\_DatabaseMoveEntryRequest\_default\_instance\_briar, 54  
\_DatabaseRemoveTmplsReply\_default\_instance\_briar, 54  
\_DatabaseRemoveTmplsRequest\_default\_instance\_briar, 54  
\_DatabaseRenameReply\_default\_instance\_briar, 54  
\_DatabaseRenameRequest\_default\_instance\_briar, 54  
\_DatabaseRetrieveReply\_default\_instance\_briar, 54

briar, 54  
\_DatabaseRetrieveRequest\_default\_instance\_  
    briar, 55  
\_DetectReply\_default\_instance\_  
    briar, 55  
\_DetectRequest\_default\_instance\_  
    briar, 55  
\_DetectionOptions\_default\_instance\_  
    briar, 55  
\_Detection\_default\_instance\_  
    briar, 55  
\_Empty\_default\_instance\_  
    briar, 55  
\_EnhanceOptions\_default\_instance\_  
    briar, 55  
\_EnhanceReply\_default\_instance\_  
    briar, 55  
\_EnhanceRequest\_default\_instance\_  
    briar, 56  
\_EnrollCustomRequest\_default\_instance\_  
    briar, 56  
\_EnrollOptions\_default\_instance\_  
    briar, 56  
\_EnrollReply\_default\_instance\_  
    briar, 56  
\_EnrollRequest\_default\_instance\_  
    briar, 56  
\_EnrollmentInfo\_default\_instance\_  
    briar, 56  
\_ExtractOptions\_default\_instance\_  
    briar, 56  
\_ExtractReply\_default\_instance\_  
    briar, 56  
\_ExtractRequest\_default\_instance\_  
    briar, 57  
\_FloatOption\_default\_instance\_  
    briar, 57  
\_FrameMetadata\_default\_instance\_  
    briar, 57  
\_IntOption\_default\_instance\_  
    briar, 57  
\_InternalParse  
    briar::APIVersion, 134  
    briar::Attribute, 146  
    briar::BoolOption, 169  
    briar::BriarDatabase, 179  
    briar::BriarDatabaseInfo, 190  
    briar::BriarDuration, 209  
    briar::BriarDurations, 220  
    briar::BriarDurationsList, 241  
    briar::BriarErrorMessage, 251  
    briar::BriarErrors, 261  
    briar::BriarMatrix, 273  
    briar::BriarMedia, 299  
    briar::BriarPoint2D, 325  
    briar::BriarProgress, 335  
    briar::BriarRect, 345  
    briar::BriarServiceConfigurationReply, 356  
briar::BriarVector, 378  
briar::ClusterConfidence, 388  
briar::ClusterIds, 398  
briar::ClusterReply, 409  
briar::ClusterRequest, 424  
briar::DatabaseCheckpointReply, 436  
briar::DatabaseCheckpointRequest, 449  
briar::DatabaseCheckpointSubjectRequest, 462  
briar::DatabaseCreateReply, 476  
briar::DatabaseCreateRequest, 489  
briar::DatabaseDeleteReply, 502  
briar::DatabaseDeleteRequest, 515  
briar::DatabaseFinalizeReply, 526  
briar::DatabaseFinalizeRequest, 538  
briar::DatabaseHasEntryReply, 549  
briar::DatabaseHasEntryRequest, 560  
briar::DatabaseInfoReply, 572  
briar::DatabaseInfoRequest, 584  
briar::DatabaseInsertReply, 595  
briar::DatabaseInsertRequest, 609  
briar::DatabaseListentriesReply, 623  
briar::DatabaseListEntriesRequest, 638  
briar::DatabaseListReply, 649  
briar::DatabaseListRequest, 660  
briar::DatabaseLoadReply, 671  
briar::DatabaseLoadRequest, 685  
briar::DatabaseMergeReply, 697  
briar::DatabaseMergeRequest, 709  
briar::DatabaseMoveEntryReply, 721  
briar::DatabaseMoveEntryRequest, 732  
briar::DatabaseRemoveTmplsReply, 746  
briar::DatabaseRemoveTmplsRequest, 757  
briar::DatabaseRenameReply, 770  
briar::DatabaseRenameRequest, 782  
briar::DatabaseRetrieveReply, 794  
briar::DatabaseRetrieveRequest, 808  
briar::Detection, 823  
briar::DetectionOptions, 841  
briar::DetectReply, 865  
briar::DetectRequest, 881  
briar::EnhanceOptions, 905  
briar::EnhanceReply, 920  
briar::EnhanceRequest, 935  
briar::EnrollCustomRequest, 951  
briar::EnrollmentInfo, 969  
briar::EnrollOptions, 987  
briar::EnrollReply, 1010  
briar::EnrollRequest, 1031  
briar::ExtractOptions, 1056  
briar::ExtractReply, 1073  
briar::ExtractRequest, 1090  
briar::FloatOption, 1105  
briar::FrameMetadata, 1115  
briar::IntOption, 1125  
briar::MediaMetadata, 1147  
briar::Record, 1160  
briar::RecordList, 1195  
briar::SearchDatabaseReply, 1205

briar::SearchDatabaseRequest, 1220  
 briar::SearchMatchInfo, 1237  
 briar::SearchMatchList, 1258  
 briar::SearchOptions, 1270  
 briar::SearchReply, 1294  
 briar::SearchRequest, 1312  
 briar::StatusReply, 1331  
 briar::StringOption, 1354  
 briar::Template, 1367  
 briar::TemplateData, 1383  
 briar::TemplateIds, 1400  
 briar::TemplateImageInput, 1412  
 briar::TemplateList, 1423  
 briar::TemplateListGroup, 1433  
 briar::TrackingOptions, 1444  
 briar::Tracklet, 1461  
 briar::TrackReply, 1476  
 briar::TrackRequest, 1492  
 briar::VerifyDatabaseReply, 1507  
 briar::VerifyDatabaseRequest, 1551  
 briar::VerifyMatchInfo, 1569  
 briar::VerifyMatchList, 1590  
 briar::VerifyOptions, 1601  
 briar::VerifyReply, 1617  
 briar::VerifyRequest, 1634

\_InternalSerialize

briar::APIVersion, 134  
 briar::Attribute, 147  
 briar::BoolOption, 169  
 briar::BriarDatabase, 179  
 briar::BriarDatabaseInfo, 190  
 briar::BriarDuration, 209  
 briar::BriarDurations, 220  
 briar::BriarDurationsList, 241  
 briar::BriarErrorMessage, 251  
 briar::BriarErrors, 262  
 briar::BriarMatrix, 274  
 briar::BriarMedia, 299  
 briar::BriarPoint2D, 325  
 briar::BriarProgress, 335  
 briar::BriarRect, 345  
 briar::BriarServiceConfigurationReply, 357  
 briar::BriarVector, 378  
 briar::ClusterConfidence, 388  
 briar::ClusterIds, 398  
 briar::ClusterReply, 410  
 briar::ClusterRequest, 424  
 briar::DatabaseCheckpointReply, 436  
 briar::DatabaseCheckpointRequest, 449  
 briar::DatabaseCheckpointSubjectRequest, 462  
 briar::DatabaseCreateReply, 476  
 briar::DatabaseCreateRequest, 489  
 briar::DatabaseDeleteReply, 502  
 briar::DatabaseDeleteRequest, 515  
 briar::DatabaseFinalizeReply, 526  
 briar::DatabaseFinalizeRequest, 538  
 briar::DatabaseHasEntryReply, 549  
 briar::DatabaseHasEntryRequest, 560

briar::DatabaseInfoReply, 572  
 briar::DatabaseInfoRequest, 584  
 briar::DatabaseInsertReply, 596  
 briar::DatabaseInsertRequest, 609  
 briar::DatabaseListEntriesReply, 624  
 briar::DatabaseListEntriesRequest, 638  
 briar::DatabaseListReply, 649  
 briar::DatabaseListRequest, 661  
 briar::DatabaseLoadReply, 671  
 briar::DatabaseLoadRequest, 685  
 briar::DatabaseMergeReply, 697  
 briar::DatabaseMergeRequest, 709  
 briar::DatabaseMoveEntryReply, 721  
 briar::DatabaseMoveEntryRequest, 733  
 briar::DatabaseRemoveTmplsReply, 746  
 briar::DatabaseRemoveTmplsRequest, 757  
 briar::DatabaseRenameReply, 770  
 briar::DatabaseRenameRequest, 782  
 briar::DatabaseRetrieveReply, 794  
 briar::DatabaseRetrieveRequest, 808  
 briar::Detection, 823  
 briar::DetectionOptions, 842  
 briar::DetectReply, 865  
 briar::DetectRequest, 882  
 briar::EnhanceOptions, 906  
 briar::EnhanceReply, 921  
 briar::EnhanceRequest, 935  
 briar::EnrollCustomRequest, 951  
 briar::EnrollmentInfo, 969  
 briar::EnrollOptions, 987  
 briar::EnrollReply, 1010  
 briar::EnrollRequest, 1031  
 briar::ExtractOptions, 1056  
 briar::ExtractReply, 1073  
 briar::ExtractRequest, 1091  
 briar::FloatOption, 1105  
 briar::FrameMetadata, 1115  
 briar::IntOption, 1125  
 briar::MediaMetadata, 1147  
 briar::Record, 1161  
 briar::RecordList, 1195  
 briar::SearchDatabaseReply, 1206  
 briar::SearchDatabaseRequest, 1220  
 briar::SearchMatchInfo, 1237  
 briar::SearchMatchList, 1258  
 briar::SearchOptions, 1270  
 briar::SearchReply, 1294  
 briar::SearchRequest, 1312  
 briar::StatusReply, 1331  
 briar::StringOption, 1354  
 briar::Template, 1367  
 briar::TemplateData, 1383  
 briar::TemplateIds, 1400  
 briar::TemplateImageInput, 1412  
 briar::TemplateList, 1423  
 briar::TemplateListGroup, 1433  
 briar::TrackingOptions, 1445  
 briar::Tracklet, 1461

briar::TrackReply, 1476  
briar::TrackRequest, 1492  
briar::VerifyDatabaseReply, 1508  
briar::VerifyDatabaseRequest, 1551  
briar::VerifyMatchInfo, 1569  
briar::VerifyMatchList, 1590  
briar::VerifyOptions, 1601  
briar::VerifyReply, 1617  
briar::VerifyRequest, 1634  
\_MediaMetadata\_default\_instance\_  
    briar, 57  
\_RecordList\_default\_instance\_  
    briar, 58  
\_Record\_MediaPreviewsEntry\_DoNotUse\_default\_instanceVerifyDatabaseReply\_default\_instance\_  
    briar, 57  
\_Record\_SubjectPreviewsEntry\_DoNotUse\_default\_instanceVerifyDatabaseRequest\_default\_instance\_  
    briar, 57  
\_Record\_default\_instance\_  
    briar, 57  
\_SearchDatabaseReply\_default\_instance\_  
    briar, 58  
\_SearchDatabaseRequest\_default\_instance\_  
    briar, 58  
\_SearchMatchInfo\_default\_instance\_  
    briar, 58  
\_SearchMatchList\_default\_instance\_  
    briar, 58  
\_SearchOptions\_default\_instance\_  
    briar, 58  
\_SearchReply\_default\_instance\_  
    briar, 58  
\_SearchRequest\_default\_instance\_  
    briar, 59  
\_StatusReply\_default\_instance\_  
    briar, 59  
\_StatusRequest\_default\_instance\_  
    briar, 59  
\_StringOption\_default\_instance\_  
    briar, 59  
\_TemplateData\_default\_instance\_  
    briar, 59  
\_TemplateIds\_default\_instance\_  
    briar, 59  
\_TemplateImageInput\_default\_instance\_  
    briar, 59  
\_TemplateListGroup\_default\_instance\_  
    briar, 60  
\_TemplateList\_default\_instance\_  
    briar, 60  
\_Template\_default\_instance\_  
    briar, 59  
\_TrackReply\_default\_instance\_  
    briar, 60  
\_TrackRequest\_default\_instance\_  
    briar, 60  
\_TrackingOptions\_default\_instance\_  
    briar, 60  
\_Tracklet\_default\_instance\_  
    briar, 60  
    briar, 60  
\_VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse\_default\_instance\_  
    briar, 60  
\_VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse\_default\_instance\_  
    briar, 61  
\_VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse\_default\_instance\_  
    briar, 61  
\_VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse\_default\_instance\_  
    briar, 61  
\_VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse\_default\_instance\_  
    briar, 61  
\_VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse\_default\_instance\_  
    briar, 61  
\_VerifyMatchInfo\_default\_instance\_  
    briar, 61  
\_VerifyMatchList\_default\_instance\_  
    briar, 62  
\_VerifyOptions\_default\_instance\_  
    briar, 62  
\_VerifyReply\_default\_instance\_  
    briar, 62  
\_VerifyRequest\_default\_instance\_  
    briar, 62  
\_class\_data\_  
    briar::APIVersion, 139  
    briar::Attribute, 164  
    briar::BoolOption, 174  
    briar::BriarDatabase, 184  
    briar::BriarDatabaseInfo, 203  
    briar::BriarDuration, 213  
    briar::BriarDurations, 231  
    briar::BriarDurationsList, 246  
    briar::BriarErrorMessage, 256  
    briar::BriarErrors, 266  
    briar::BriarMatrix, 291  
    briar::BriarMedia, 315  
    briar::BriarPoint2D, 329  
    briar::BriarProgress, 339  
    briar::BriarRect, 350  
    briar::BriarServiceConfigurationReply, 365  
    briar::BriarServiceConfigurationRequest, 372  
    briar::BriarVector, 383  
    briar::ClusterConfidence, 392  
    briar::ClusterIds, 403  
    briar::ClusterReply, 418  
    briar::ClusterRequest, 430  
    briar::DatabaseCheckpointReply, 442  
    briar::DatabaseCheckpointRequest, 456  
    briar::DatabaseCheckpointSubjectRequest, 470  
    briar::DatabaseCreateReply, 483  
    briar::DatabaseCreateRequest, 496  
    briar::DatabaseDeleteReply, 509  
    briar::DatabaseDeleteRequest, 521  
    briar::DatabaseFinalizeReply, 532

briar::DatabaseFinalizeRequest, 543  
 briar::DatabaseHasEntryReply, 554  
 briar::DatabaseHasEntryRequest, 566  
 briar::DatabaseInfoReply, 578  
 briar::DatabaseInfoRequest, 590  
 briar::DatabaseInsertReply, 603  
 briar::DatabaseInsertRequest, 617  
 briar::DatabaseListEntriesReply, 632  
 briar::DatabaseListEntriesRequest, 644  
 briar::DatabaseListReply, 655  
 briar::DatabaseListRequest, 665  
 briar::DatabaseLoadReply, 680  
 briar::DatabaseLoadRequest, 691  
 briar::DatabaseMergeReply, 703  
 briar::DatabaseMergeRequest, 716  
 briar::DatabaseMoveEntryReply, 726  
 briar::DatabaseMoveEntryRequest, 740  
 briar::DatabaseRemoveTmplsReply, 752  
 briar::DatabaseRemoveTmplsRequest, 764  
 briar::DatabaseRenameReply, 776  
 briar::DatabaseRenameRequest, 788  
 briar::DatabaseRetrieveReply, 802  
 briar::DatabaseRetrieveRequest, 815  
 briar::Detection, 834  
 briar::DetectionOptions, 858  
 briar::DetectReply, 875  
 briar::DetectRequest, 893  
 briar::Empty, 900  
 briar::EnhanceOptions, 914  
 briar::EnhanceReply, 929  
 briar::EnhanceRequest, 944  
 briar::EnrollCustomRequest, 962  
 briar::EnrollmentInfo, 979  
 briar::EnrollOptions, 1004  
 briar::EnrollReply, 1023  
 briar::EnrollRequest, 1050  
 briar::ExtractOptions, 1066  
 briar::ExtractReply, 1084  
 briar::ExtractRequest, 1100  
 briar::FloatOption, 1109  
 briar::FrameMetadata, 1120  
 briar::IntOption, 1129  
 briar::MediaMetadata, 1153  
 briar::Record, 1181  
 briar::RecordList, 1200  
 briar::SearchDatabaseReply, 1213  
 briar::SearchDatabaseRequest, 1230  
 briar::SearchMatchInfo, 1253  
 briar::SearchMatchList, 1263  
 briar::SearchOptions, 1287  
 briar::SearchReply, 1306  
 briar::SearchRequest, 1324  
 briar::StatusReply, 1341  
 briar::StatusRequest, 1349  
 briar::StringOption, 1359  
 briar::Template, 1378  
 briar::TemplateData, 1393  
 briar::TemplateIds, 1406  
 briar::TemplateImageInput, 1418  
 briar::TemplateList, 1428  
 briar::TemplateListGroup, 1438  
 briar::TrackingOptions, 1455  
 briar::Tracklet, 1469  
 briar::TrackReply, 1485  
 briar::TrackRequest, 1501  
 briar::VerifyDatabaseReply, 1518  
 briar::VerifyDatabaseRequest, 1562  
 briar::VerifyMatchInfo, 1585  
 briar::VerifyMatchList, 1595  
 briar::VerifyOptions, 1611  
 briar::VerifyReply, 1627  
 briar::VerifyRequest, 1647  
`_instance`  
 briar::APIVersionDefaultTypeInternal, 141  
 briar::AttributeDefaultTypeInternal, 166  
 briar::BoolOptionDefaultTypeInternal, 175  
 briar::BriarDatabaseDefaultTypeInternal, 185  
 briar::BriarDatabaseInfoDefaultTypeInternal, 205  
 briar::BriarDurationDefaultTypeInternal, 215  
 briar::BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal, 236  
 briar::BriarDurationsDefaultTypeInternal, 237  
 briar::BriarDurationsListDefaultTypeInternal, 247  
 briar::BriarErrorMessageDefaultTypeInternal, 258  
 briar::BriarErrorsDefaultTypeInternal, 268  
 briar::BriarMatrixDefaultTypeInternal, 293  
 briar::BriarMediaDefaultTypeInternal, 321  
 briar::BriarPoint2DDefaultTypeInternal, 331  
 briar::BriarProgressDefaultTypeInternal, 341  
 briar::BriarRectDefaultTypeInternal, 352  
 briar::BriarServiceConfigurationReplyDefaultTypeInternal, 367  
 briar::BriarServiceConfigurationRequestDefaultTypeInternal, 374  
 briar::BriarVectorDefaultTypeInternal, 384  
 briar::ClusterConfidenceDefaultTypeInternal, 394  
 briar::ClusterIdsDefaultTypeInternal, 405  
 briar::ClusterReplyDefaultTypeInternal, 420  
 briar::ClusterRequestDefaultTypeInternal, 432  
 briar::DatabaseCheckpointReplyDefaultTypeInternal, 444  
 briar::DatabaseCheckpointRequestDefaultTypeInternal, 458  
 briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal, 472  
 briar::DatabaseCreateReplyDefaultTypeInternal, 485  
 briar::DatabaseCreateRequestDefaultTypeInternal, 498  
 briar::DatabaseDeleteReplyDefaultTypeInternal, 511  
 briar::DatabaseDeleteRequestDefaultTypeInternal, 522  
 briar::DatabaseFinalizeReplyDefaultTypeInternal, 534

briar::DatabaseFinalizeRequestDefaultTypeInternal, 545  
briar::DatabaseHasEntryReplyDefaultTypeInternal, 556  
briar::DatabaseHasEntryRequestDefaultTypeInternal, 568  
briar::DatabaseInfoReplyDefaultTypeInternal, 580  
briar::DatabaseInfoRequestDefaultTypeInternal, 591  
briar::DatabaseInsertReplyDefaultTypeInternal, 605  
briar::DatabaseInsertRequestDefaultTypeInternal, 619  
briar::DatabaseListentriesReplyDefaultTypeInternal, 634  
briar::DatabaseListEntriesRequestDefaultTypeInternal, 645  
briar::DatabaseListReplyDefaultTypeInternal, 657  
briar::DatabaseListRequestDefaultTypeInternal, 667  
briar::DatabaseLoadReplyDefaultTypeInternal, 681  
briar::DatabaseLoadRequestDefaultTypeInternal, 693  
briar::DatabaseMergeReplyDefaultTypeInternal, 705  
briar::DatabaseMergeRequestDefaultTypeInternal, 717  
briar::DatabaseMoveEntryReplyDefaultTypeInternal, 728  
briar::DatabaseMoveEntryRequestDefaultTypeInternal, 742  
briar::DatabaseRemoveTmplsReplyDefaultTypeInternal, 753  
briar::DatabaseRemoveTmplsRequestDefaultTypeInternal, 766  
briar::DatabaseRenameReplyDefaultTypeInternal, 778  
briar::DatabaseRenameRequestDefaultTypeInternal, 790  
briar::DatabaseRetrieveReplyDefaultTypeInternal, 804  
briar::DatabaseRetrieveRequestDefaultTypeInternal, 817  
briar::DetectionDefaultTypeInternal, 836  
briar::DetectionOptionsDefaultTypeInternal, 860  
briar::DetectReplyDefaultTypeInternal, 877  
briar::DetectRequestDefaultTypeInternal, 894  
briar::EmptyDefaultTypeInternal, 901  
briar::EnhanceOptionsDefaultTypeInternal, 916  
briar::EnhanceReplyDefaultTypeInternal, 931  
briar::EnhanceRequestDefaultTypeInternal, 946  
briar::EnrollCustomRequestDefaultTypeInternal, 964  
briar::EnrollmentInfoDefaultTypeInternal, 981  
briar::EnrollOptionsDefaultTypeInternal, 1005  
briar::EnrollReplyDefaultTypeInternal, 1025  
briar::EnrollRequestDefaultTypeInternal, 1052  
briar::ExtractOptionsDefaultTypeInternal, 1068  
briar::ExtractReplyDefaultTypeInternal, 1086  
briar::ExtractRequestDefaultTypeInternal, 1101  
briar::FloatOptionDefaultTypeInternal, 1111  
briar::FrameMetadataDefaultTypeInternal, 1121  
briar::IntOptionDefaultTypeInternal, 1131  
briar::MediaMetadataDefaultTypeInternal, 1154  
briar::Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal, 1186  
briar::Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternal, 1190  
briar::RecordDefaultTypeInternal, 1191  
briar::RecordListDefaultTypeInternal, 1201  
briar::SearchDatabaseReplyDefaultTypeInternal, 1215  
briar::SearchDatabaseRequestDefaultTypeInternal, 1232  
briar::SearchMatchInfoDefaultTypeInternal, 1254  
briar::SearchMatchListDefaultTypeInternal, 1264  
briar::SearchOptionsDefaultTypeInternal, 1289  
briar::SearchReplyDefaultTypeInternal, 1307  
briar::SearchRequestDefaultTypeInternal, 1326  
briar::StatusReplyDefaultTypeInternal, 1343  
briar::StatusRequestDefaultTypeInternal, 1350  
briar::StringOptionDefaultTypeInternal, 1361  
briar::TemplateDataDefaultTypeInternal, 1395  
briar::TemplateDefaultTypeInternal, 1396  
briar::TemplateIdsDefaultTypeInternal, 1408  
briar::TemplateImageInputDefaultTypeInternal, 1420  
briar::TemplateListDefaultTypeInternal, 1430  
briar::TemplateListGroupDefaultTypeInternal, 1440  
briar::TrackingOptionsDefaultTypeInternal, 1457  
briar::TrackletDefaultTypeInternal, 1471  
briar::TrackReplyDefaultTypeInternal, 1487  
briar::TrackRequestDefaultTypeInternal, 1503  
briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal, 1523  
briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal, 1527  
briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal, 1532  
briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal, 1536  
briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal, 1541  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal, 1545  
briar::VerifyDatabaseReplyDefaultTypeInternal, 1547  
briar::VerifyDatabaseRequestDefaultTypeInternal, 1564  
briar::VerifyMatchInfoDefaultTypeInternal, 1586  
briar::VerifyMatchListDefaultTypeInternal, 1596  
briar::VerifyOptionsDefaultTypeInternal, 1613  
briar::VerifyReplyDefaultTypeInternal, 1629  
briar::VerifyRequestDefaultTypeInternal, 1650  
~APIVersion  
    briar::APIVersion, 133

~APIVersionDefaultTypeInternal  
     briar::APIVersionDefaultTypeInternal, 140  
 ~Attribute  
     briar::Attribute, 146  
 ~AttributeDefaultTypeInternal  
     briar::AttributeDefaultTypeInternal, 165  
 ~BoolOption  
     briar::BoolOption, 168  
 ~BoolOptionDefaultTypeInternal  
     briar::BoolOptionDefaultTypeInternal, 175  
 ~BriarDatabase  
     briar::BriarDatabase, 178  
 ~BriarDatabaseDefaultTypeInternal  
     briar::BriarDatabaseDefaultTypeInternal, 185  
 ~BriarDatabaseInfo  
     briar::BriarDatabaseInfo, 189  
 ~BriarDatabaseInfoDefaultTypeInternal  
     briar::BriarDatabaseInfoDefaultTypeInternal, 205  
 ~BriarDuration  
     briar::BriarDuration, 208  
 ~BriarDurationDefaultTypeInternal  
     briar::BriarDurationDefaultTypeInternal, 215  
 ~BriarDurations  
     briar::BriarDurations, 219  
 ~BriarDurationsDefaultTypeInternal  
     briar::BriarDurationsDefaultTypeInternal, 237  
 ~BriarDurationsList  
     briar::BriarDurationsList, 240  
 ~BriarDurationsListDefaultTypeInternal  
     briar::BriarDurationsListDefaultTypeInternal, 247  
 ~BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal  
     briar::BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal, 235  
 ~BriarErrorMessage  
     briar::BriarErrorMessage, 250  
 ~BriarErrorMessageDefaultTypeInternal  
     briar::BriarErrorMessageDefaultTypeInternal, 257  
 ~BriarErrors  
     briar::BriarErrors, 261  
 ~BriarErrorsDefaultTypeInternal  
     briar::BriarErrorsDefaultTypeInternal, 268  
 ~BriarMatrix  
     briar::BriarMatrix, 273  
 ~BriarMatrixDefaultTypeInternal  
     briar::BriarMatrixDefaultTypeInternal, 292  
 ~BriarMedia  
     briar::BriarMedia, 298  
 ~BriarMediaDefaultTypeInternal  
     briar::BriarMediaDefaultTypeInternal, 321  
 ~BriarPoint2D  
     briar::BriarPoint2D, 324  
 ~BriarPoint2DDefaultTypeInternal  
     briar::BriarPoint2DDefaultTypeInternal, 331  
 ~BriarProgress  
     briar::BriarProgress, 334  
 ~BriarProgressDefaultTypeInternal  
     briar::BriarProgressDefaultTypeInternal, 341  
 ~BriarRect  
     briar::BriarRect, 344  
 ~BriarRectDefaultTypeInternal  
     briar::BriarRectDefaultTypeInternal, 352  
 ~BriarServiceConfigurationReply  
     briar::BriarServiceConfigurationReply, 356  
 ~BriarServiceConfigurationReplyDefaultTypeInternal  
     briar::BriarServiceConfigurationReplyDefaultTypeInternal, 366  
 ~BriarServiceConfigurationRequestDefaultTypeInternal  
     briar::BriarServiceConfigurationRequestDefaultTypeInternal, 374  
 ~BriarVector  
     briar::BriarVector, 377  
 ~BriarVectorDefaultTypeInternal  
     briar::BriarVectorDefaultTypeInternal, 384  
 ~ClusterConfidence  
     briar::ClusterConfidence, 387  
 ~ClusterConfidenceDefaultTypeInternal  
     briar::ClusterConfidenceDefaultTypeInternal, 393  
 ~ClusterIds  
     briar::ClusterIds, 397  
 ~ClusterIdsDefaultTypeInternal  
     briar::ClusterIdsDefaultTypeInternal, 405  
 ~ClusterReply  
     briar::ClusterReply, 409  
 ~ClusterReplyDefaultTypeInternal  
     briar::ClusterReplyDefaultTypeInternal, 420  
 ~ClusterRequest  
     briar::ClusterRequest, 423  
     ~ClusterRequestDefaultTypeInternal  
         briar::ClusterRequestDefaultTypeInternal, 431  
 ~DatabaseCheckpointReply  
     briar::DatabaseCheckpointReply, 435  
 ~DatabaseCheckpointReplyDefaultTypeInternal  
     briar::DatabaseCheckpointReplyDefaultTypeInternal, 443  
 ~DatabaseCheckpointRequest  
     briar::DatabaseCheckpointRequest, 448  
 ~DatabaseCheckpointRequestDefaultTypeInternal  
     briar::DatabaseCheckpointRequestDefaultTypeInternal, 457  
 ~DatabaseCheckpointSubjectRequest  
     briar::DatabaseCheckpointSubjectRequest, 461  
 ~DatabaseCheckpointSubjectRequestDefaultTypeInternal  
     briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal, 472  
 ~DatabaseCreateReply  
     briar::DatabaseCreateReply, 475  
 ~DatabaseCreateReplyDefaultTypeInternal  
     briar::DatabaseCreateReplyDefaultTypeInternal, 485  
 ~DatabaseCreateRequest  
     briar::DatabaseCreateRequest, 488  
 ~DatabaseCreateRequestDefaultTypeInternal  
     briar::DatabaseCreateRequestDefaultTypeInternal, 498  
 ~DatabaseDeleteReply  
     briar::DatabaseDeleteReply, 501

- ~DatabaseDeleteReplyDefaultTypeInternal  
    briar::DatabaseDeleteReplyDefaultTypeInternal,  
        510
- ~DatabaseDeleteRequest  
    briar::DatabaseDeleteRequest, 514
- ~DatabaseDeleteRequestDefaultTypeInternal  
    briar::DatabaseDeleteRequestDefaultTypeInternal,  
        522
- ~DatabaseFinalizeReply  
    briar::DatabaseFinalizeReply, 525
- ~DatabaseFinalizeReplyDefaultTypeInternal  
    briar::DatabaseFinalizeReplyDefaultTypeInternal,  
        534
- ~DatabaseFinalizeRequest  
    briar::DatabaseFinalizeRequest, 537
- ~DatabaseFinalizeRequestDefaultTypeInternal  
    briar::DatabaseFinalizeRequestDefaultTypeInternal,  
        544
- ~DatabaseHasEntryReply  
    briar::DatabaseHasEntryReply, 548
- ~DatabaseHasEntryReplyDefaultTypeInternal  
    briar::DatabaseHasEntryReplyDefaultTypeInternal,  
        556
- ~DatabaseHasEntryRequest  
    briar::DatabaseHasEntryRequest, 559
- ~DatabaseHasEntryRequestDefaultTypeInternal  
    briar::DatabaseHasEntryRequestDefaultTypeInternal,  
        567
- ~DatabaseInfoReply  
    briar::DatabaseInfoReply, 571
- ~DatabaseInfoReplyDefaultTypeInternal  
    briar::DatabaseInfoReplyDefaultTypeInternal, 579
- ~DatabaseInfoRequest  
    briar::DatabaseInfoRequest, 583
- ~DatabaseInfoRequestDefaultTypeInternal  
    briar::DatabaseInfoRequestDefaultTypeInternal,  
        591
- ~DatabaseInsertReply  
    briar::DatabaseInsertReply, 595
- ~DatabaseInsertReplyDefaultTypeInternal  
    briar::DatabaseInsertReplyDefaultTypeInternal,  
        604
- ~DatabaseInsertRequest  
    briar::DatabaseInsertRequest, 608
- ~DatabaseInsertRequestDefaultTypeInternal  
    briar::DatabaseInsertRequestDefaultTypeInternal,  
        619
- ~DatabaseListEntriesRequest  
    briar::DatabaseListEntriesRequest, 637
- ~DatabaseListEntriesRequestDefaultTypeInternal  
    briar::DatabaseListEntriesRequestDefaultTypeInternal,  
        645
- ~DatabaseListReply  
    briar::DatabaseListReply, 648
- ~DatabaseListReplyDefaultTypeInternal  
    briar::DatabaseListReplyDefaultTypeInternal, 656
- ~DatabaseListRequest  
    briar::DatabaseListRequest, 660
- ~DatabaseListRequestDefaultTypeInternal  
    briar::DatabaseListRequestDefaultTypeInternal,  
        666
- ~DatabaseListEntriesReply  
    briar::DatabaseListEntriesReply, 623
- ~DatabaseListEntriesReplyDefaultTypeInternal  
    briar::DatabaseListEntriesReplyDefaultTypeInternal,  
        633
- ~DatabaseLoadReply  
    briar::DatabaseLoadReply, 670
- ~DatabaseLoadReplyDefaultTypeInternal  
    briar::DatabaseLoadReplyDefaultTypeInternal, 681
- ~DatabaseLoadRequest  
    briar::DatabaseLoadRequest, 684
- ~DatabaseLoadRequestDefaultTypeInternal  
    briar::DatabaseLoadRequestDefaultTypeInternal,  
        692
- ~DatabaseMergeReply  
    briar::DatabaseMergeReply, 696
- ~DatabaseMergeReplyDefaultTypeInternal  
    briar::DatabaseMergeReplyDefaultTypeInternal,  
        704
- ~DatabaseMergeRequest  
    briar::DatabaseMergeRequest, 708
- ~DatabaseMergeRequestDefaultTypeInternal  
    briar::DatabaseMergeRequestDefaultTypeInternal,  
        717
- ~DatabaseMoveEntryReply  
    briar::DatabaseMoveEntryReply, 720
- ~DatabaseMoveEntryReplyDefaultTypeInternal  
    briar::DatabaseMoveEntryReplyDefaultTypeInternal,  
        728
- ~DatabaseMoveEntryRequest  
    briar::DatabaseMoveEntryRequest, 732
- ~DatabaseMoveEntryRequestDefaultTypeInternal  
    briar::DatabaseMoveEntryRequestDefaultTypeInternal,  
        741
- ~DatabaseRemoveTmplsReply  
    briar::DatabaseRemoveTmplsReply, 745
- ~DatabaseRemoveTmplsReplyDefaultTypeInternal  
    briar::DatabaseRemoveTmplsReplyDefaultTypeInternal,  
        753
- ~DatabaseRemoveTmplsRequest  
    briar::DatabaseRemoveTmplsRequest, 756
- ~DatabaseRemoveTmplsRequestDefaultTypeInternal  
    briar::DatabaseRemoveTmplsRequestDefaultTypeInternal,  
        766
- ~DatabaseRenameReply  
    briar::DatabaseRenameReply, 769
- ~DatabaseRenameReplyDefaultTypeInternal  
    briar::DatabaseRenameReplyDefaultTypeInternal,  
        778
- ~DatabaseRenameRequest  
    briar::DatabaseRenameRequest, 781
- ~DatabaseRenameRequestDefaultTypeInternal  
    briar::DatabaseRenameRequestDefaultTypeInternal,  
        789
- ~DatabaseRetrieveReply

briar::DatabaseRetrieveReply, 793  
 ~DatabaseRetrieveReplyDefaultTypeInternal  
     briar::DatabaseRetrieveReplyDefaultTypeInternal,  
         804  
 ~DatabaseRetrieveRequest  
     briar::DatabaseRetrieveRequest, 807  
 ~DatabaseRetrieveRequestDefaultTypeInternal  
     briar::DatabaseRetrieveRequestDefaultTypeInternal,  
         817  
 ~DetectReply  
     briar::DetectReply, 864  
 ~DetectReplyDefaultTypeInternal  
     briar::DetectReplyDefaultTypeInternal, 876  
 ~DetectRequest  
     briar::DetectRequest, 881  
 ~DetectRequestDefaultTypeInternal  
     briar::DetectRequestDefaultTypeInternal, 894  
 ~Detection  
     briar::Detection, 822  
 ~DetectionDefaultTypeInternal  
     briar::DetectionDefaultTypeInternal, 835  
 ~DetectionOptions  
     briar::DetectionOptions, 841  
 ~DetectionOptionsDefaultTypeInternal  
     briar::DetectionOptionsDefaultTypeInternal, 860  
 ~EmptyDefaultTypeInternal  
     briar::EmptyDefaultTypeInternal, 901  
 ~EnhanceOptions  
     briar::EnhanceOptions, 905  
 ~EnhanceOptionsDefaultTypeInternal  
     briar::EnhanceOptionsDefaultTypeInternal, 916  
 ~EnhanceReply  
     briar::EnhanceReply, 920  
 ~EnhanceReplyDefaultTypeInternal  
     briar::EnhanceReplyDefaultTypeInternal, 930  
 ~EnhanceRequest  
     briar::EnhanceRequest, 934  
 ~EnhanceRequestDefaultTypeInternal  
     briar::EnhanceRequestDefaultTypeInternal, 946  
 ~EnrollCustomRequest  
     briar::EnrollCustomRequest, 950  
 ~EnrollCustomRequestDefaultTypeInternal  
     briar::EnrollCustomRequestDefaultTypeInternal,  
         964  
 ~EnrollOptions  
     briar::EnrollOptions, 986  
 ~EnrollOptionsDefaultTypeInternal  
     briar::EnrollOptionsDefaultTypeInternal, 1005  
 ~EnrollReply  
     briar::EnrollReply, 1009  
 ~EnrollReplyDefaultTypeInternal  
     briar::EnrollReplyDefaultTypeInternal, 1025  
 ~EnrollRequest  
     briar::EnrollRequest, 1030  
 ~EnrollRequestDefaultTypeInternal  
     briar::EnrollRequestDefaultTypeInternal, 1051  
 ~EnrollmentInfo  
     briar::EnrollmentInfo, 968  
     ~EnrollmentInfoDefaultTypeInternal  
         briar::EnrollmentInfoDefaultTypeInternal, 981  
 ~ExtractOptions  
     briar::ExtractOptions, 1055  
 ~ExtractOptionsDefaultTypeInternal  
     briar::ExtractOptionsDefaultTypeInternal, 1068  
 ~ExtractReply  
     briar::ExtractReply, 1072  
 ~ExtractReplyDefaultTypeInternal  
     briar::ExtractReplyDefaultTypeInternal, 1086  
 ~ExtractRequest  
     briar::ExtractRequest, 1090  
 ~ExtractRequestDefaultTypeInternal  
     briar::ExtractRequestDefaultTypeInternal, 1101  
 ~FloatOption  
     briar::FloatOption, 1104  
 ~FloatOptionDefaultTypeInternal  
     briar::FloatOptionDefaultTypeInternal, 1111  
 ~FrameMetadata  
     briar::FrameMetadata, 1114  
 ~FrameMetadataDefaultTypeInternal  
     briar::FrameMetadataDefaultTypeInternal, 1121  
 ~IntOption  
     briar::IntOption, 1124  
 ~IntOptionDefaultTypeInternal  
     briar::IntOptionDefaultTypeInternal, 1131  
 ~MediaMetadata  
     briar::MediaMetadata, 1146  
 ~MediaMetadataDefaultTypeInternal  
     briar::MediaMetadataDefaultTypeInternal, 1154  
 ~Record  
     briar::Record, 1160  
 ~RecordDefaultTypeInternal  
     briar::RecordDefaultTypeInternal, 1191  
 ~RecordList  
     briar::RecordList, 1194  
 ~RecordListDefaultTypeInternal  
     briar::RecordListDefaultTypeInternal, 1201  
 ~Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal  
     briar::Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal,  
         1185  
 ~Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternal  
     briar::Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternal,  
         1189  
 ~SearchDatabaseReply  
     briar::SearchDatabaseReply, 1205  
 ~SearchDatabaseReplyDefaultTypeInternal  
     briar::SearchDatabaseReplyDefaultTypeInternal,  
         1215  
 ~SearchDatabaseRequest  
     briar::SearchDatabaseRequest, 1219  
 ~SearchDatabaseRequestDefaultTypeInternal  
     briar::SearchDatabaseRequestDefaultTypeInternal,  
         1231  
 ~SearchMatchInfo  
     briar::SearchMatchInfo, 1236  
 ~SearchMatchInfoDefaultTypeInternal  
     briar::SearchMatchInfoDefaultTypeInternal, 1254

~SearchMatchList  
    briar::SearchMatchList, 1257

~SearchMatchListDefaultTypeInternal  
    briar::SearchMatchListDefaultTypeInternal, 1264

~SearchOptions  
    briar::SearchOptions, 1269

~SearchOptionsDefaultTypeInternal  
    briar::SearchOptionsDefaultTypeInternal, 1289

~SearchReply  
    briar::SearchReply, 1293

~SearchReplyDefaultTypeInternal  
    briar::SearchReplyDefaultTypeInternal, 1307

~SearchRequest  
    briar::SearchRequest, 1311

~SearchRequestDefaultTypeInternal  
    briar::SearchRequestDefaultTypeInternal, 1326

~StatusReply  
    briar::StatusReply, 1330

~StatusReplyDefaultTypeInternal  
    briar::StatusReplyDefaultTypeInternal, 1343

~StatusRequestDefaultTypeInternal  
    briar::StatusRequestDefaultTypeInternal, 1350

~StringOption  
    briar::StringOption, 1353

~StringOptionDefaultTypeInternal  
    briar::StringOptionDefaultTypeInternal, 1360

~Template  
    briar::Template, 1366

~TemplateData  
    briar::TemplateData, 1382

~TemplateDataDefaultTypeInternal  
    briar::TemplateDataDefaultTypeInternal, 1394

~TemplateDefaultTypeInternal  
    briar::TemplateDefaultTypeInternal, 1396

~TemplateIds  
    briar::TemplateIds, 1399

~TemplateIdsDefaultTypeInternal  
    briar::TemplateIdsDefaultTypeInternal, 1408

~TemplateImageInput  
    briar::TemplateImageInput, 1411

~TemplateImageInputDefaultTypeInternal  
    briar::TemplateImageInputDefaultTypeInternal, 1419

~TemplateList  
    briar::TemplateList, 1422

~TemplateListDefaultTypeInternal  
    briar::TemplateListDefaultTypeInternal, 1429

~TemplateListGroup  
    briar::TemplateListGroup, 1432

~TemplateListGroupDefaultTypeInternal  
    briar::TemplateListGroupDefaultTypeInternal, 1439

~TrackReply  
    briar::TrackReply, 1475

~TrackReplyDefaultTypeInternal  
    briar::TrackReplyDefaultTypeInternal, 1487

~TrackRequest  
    briar::TrackRequest, 1491

~TrackRequestDefaultTypeInternal  
    briar::TrackRequestDefaultTypeInternal, 1502

~TrackingOptions  
    briar::TrackingOptions, 1444

~TrackingOptionsDefaultTypeInternal  
    briar::TrackingOptionsDefaultTypeInternal, 1456

~Tracklet  
    briar::Tracklet, 1460

~TrackletDefaultTypeInternal  
    briar::TrackletDefaultTypeInternal, 1471

~VerifyDatabaseReply  
    briar::VerifyDatabaseReply, 1507

~VerifyDatabaseReplyDefaultTypeInternal  
    briar::VerifyDatabaseReplyDefaultTypeInternal, 1546

~VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefaultTypeInternal, 1522

~VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal, 1527

~VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUseDefaultTypeInternal, 1531

~VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal, 1536

~VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal, 1540

~VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal  
    briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal, 1545

~VerifyDatabaseRequest  
    briar::VerifyDatabaseRequest, 1550

~VerifyDatabaseRequestDefaultTypeInternal  
    briar::VerifyDatabaseRequestDefaultTypeInternal, 1563

~VerifyMatchInfo  
    briar::VerifyMatchInfo, 1568

~VerifyMatchInfoDefaultTypeInternal  
    briar::VerifyMatchInfoDefaultTypeInternal, 1586

~VerifyMatchList  
    briar::VerifyMatchList, 1589

~VerifyMatchListDefaultTypeInternal  
    briar::VerifyMatchListDefaultTypeInternal, 1596

~VerifyOptions  
    briar::VerifyOptions, 1600

~VerifyOptionsDefaultTypeInternal  
    briar::VerifyOptionsDefaultTypeInternal, 1612

~VerifyReply  
    briar::VerifyReply, 1616

~VerifyReplyDefaultTypeInternal  
    briar::VerifyReplyDefaultTypeInternal, 1628

~VerifyRequest  
    briar::VerifyRequest, 1633

~VerifyRequestDefaultTypeInternal  
    briar::VerifyRequestDefaultTypeInternal, 1649

add\_attributes

briar::BriarDatabaseInfo, 191  
 briar::Detection, 823  
 briar::DetectionOptions, 842  
 briar::EnhanceOptions, 906  
 briar::EnrollmentInfo, 969  
 briar::EnrollOptions, 987  
 briar::ExtractOptions, 1057  
 briar::FrameMetadata, 1115  
 briar::MediaMetadata, 1147  
 briar::Record, 1161  
 briar::TrackingOptions, 1445  
 briar::Tracklet, 1461  
**add\_cluster\_confidences**  
 briar::ClusterReply, 410  
**add\_cluster\_ids**  
 briar::ClusterReply, 410  
**add\_column\_attributes**  
 briar::BriarMatrix, 274  
**add\_column\_headers**  
 briar::BriarMatrix, 274  
**add\_column\_headers\_integer**  
 briar::BriarMatrix, 275  
**add\_column\_sources**  
 briar::BriarMatrix, 275  
**add\_configuration**  
 briar::StatusReply, 1331  
**add\_data**  
 briar::BriarVector, 378  
**add\_database\_list**  
 briar::DatabaseMergeRequest, 709  
**add\_database\_names**  
 briar::DatabaseListReply, 649, 650  
**add\_detections**  
 briar::DetectReply, 865  
 briar::EnrollReply, 1010  
 briar::EnrollRequest, 1031  
 briar::ExtractRequest, 1091  
 briar::SearchRequest, 1312  
 briar::TemplateImageInput, 1412  
 briar::Tracklet, 1461  
 briar::VerifyRequest, 1634  
**add\_durations**  
 briar::SearchDatabaseReply, 1206  
**add\_durations\_list**  
 briar::BriarDurationsList, 241  
**add\_enrollments**  
 briar::EnrollReply, 1011  
**add\_entry\_attributes**  
 briar::DatabaseListentriesReply, 624  
**add\_entry\_ids**  
 briar::BriarDatabaseInfo, 191  
 briar::DatabaseListentriesReply, 624  
**add\_entry\_sizes**  
 briar::BriarDatabaseInfo, 191  
**add\_errors**  
 briar::BriarErrors, 262  
**add\_exists**  
 briar::DatabaseMergeReply, 697  
**add\_frame\_ids**  
 briar::TrackReply, 1476  
**add\_frame\_metadata**  
 briar::MediaMetadata, 1147  
**add\_group**  
 briar::TemplateListGroup, 1434  
**add\_ids**  
 briar::ClusterIds, 398  
 briar::TemplateIds, 1400, 1401  
**add\_match\_list**  
 briar::SearchMatchList, 1258  
 briar::VerifyMatchList, 1590  
**add\_metadata**  
 briar::BriarMedia, 299  
 briar::EnhanceRequest, 935  
 briar::Template, 1367  
 briar::TemplateData, 1383  
**add\_modalities**  
 briar::BriarDatabaseInfo, 192  
**add\_options**  
 briar::EnhanceRequest, 936  
**add\_parts**  
 briar::Template, 1367  
**add\_port\_list**  
 briar::BriarServiceConfigurationReply, 357  
**add\_probe\_detections**  
 briar::SearchReply, 1294  
**add\_probe\_entry\_ids**  
 briar::SearchDatabaseRequest, 1220, 1221  
 briar::VerifyDatabaseRequest, 1552  
**add\_records**  
 briar::RecordList, 1195  
**add\_row\_attributes**  
 briar::BriarMatrix, 275  
**add\_row\_headers**  
 briar::BriarMatrix, 276  
**add\_row\_headers\_integer**  
 briar::BriarMatrix, 276  
**add\_row\_sources**  
 briar::BriarMatrix, 276, 277  
**add\_rows**  
 briar::BriarMatrix, 277  
**add\_similarities**  
 briar::SearchDatabaseReply, 1206  
 briar::SearchReply, 1294  
**add\_source\_id**  
 briar::Record, 1161  
**add\_subject\_ids**  
 briar::EnrollOptions, 987, 988  
 briar::EnrollRequest, 1031, 1032  
**add\_templates**  
 briar::ExtractReply, 1073  
**add\_templates\_per\_entry**  
 briar::BriarDatabaseInfo, 192  
**add\_tmpls**  
 briar::TemplateList, 1424  
**add\_tracklets**  
 briar::TrackReply, 1476

add\_tracks  
    briar::EnrollRequest, 1032

algorithm  
    briar::Record, 1162  
    briar::Template, 1368

algorithm\_id  
    briar::DetectionOptions, 842  
    briar::DetectionOptions::\_Internal, 95  
    briar::EnhanceOptions, 906  
    briar::EnhanceOptions::\_Internal, 99  
    briar::ExtractOptions, 1057  
    briar::ExtractOptions::\_Internal, 107  
    briar::TrackingOptions, 1445  
    briar::TrackingOptions::\_Internal, 121

ANTHROPOMETRY  
    briar, 35

api\_version  
    briar::StatusReply, 1331  
    briar::StatusReply::\_Internal, 119

APIVersion  
    briar::APIVersion, 133, 134

APIVersionDefaultTypeInternal  
    briar::APIVersionDefaultTypeInternal, 140

Arena::CreateMaybeMessage< ::briar::APIVersion >  
    briar.pb.cc, 1664

Arena::CreateMaybeMessage< ::briar::Attribute >  
    briar.pb.cc, 1664

Arena::CreateMaybeMessage< ::briar::BoolOption >  
    briar.pb.cc, 1664

Arena::CreateMaybeMessage< ::briar::BriarDatabase >  
    briar.pb.cc, 1664

Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarDuration >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarDurations >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarDurations\_SubDurationsEntry\_DoNotUse >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarDurationsList >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarErrorMessage >  
    briar\_error.pb.cc, 1690

Arena::CreateMaybeMessage< ::briar::BriarErrors >  
    briar\_error.pb.cc, 1690

Arena::CreateMaybeMessage< ::briar::BriarMatrix >  
    briar.pb.cc, 1665

Arena::CreateMaybeMessage< ::briar::BriarMedia >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::BriarPoint2D >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::BriarProgress >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::BriarRect >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply >  
    briar\_service.pb.cc, 1711

Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest >  
    briar\_service.pb.cc, 1711

Arena::CreateMaybeMessage< ::briar::BriarVector >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::ClusterConfidence >  
    briar.pb.cc, 1666

Arena::CreateMaybeMessage< ::briar::ClusterIds >  
    briar.pb.cc, 1667

Arena::CreateMaybeMessage< ::briar::ClusterReply >  
    briar\_service.pb.cc, 1711

Arena::CreateMaybeMessage< ::briar::ClusterRequest >  
    briar\_service.pb.cc, 1711

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply >  
    briar\_service.pb.cc, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest >  
    briar\_service.pb.cc, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply >  
    briar\_service.pb.cc, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest >  
    briar\_service.pb.cc, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply >  
    briar\_service.pb.cc, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest >  
    briar\_service.pb.cc, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply >  
    briar\_service.pb.cc, 1713

```

Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest>
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseListReply briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1714
Arena::CreateMaybeMessage< ::briar::DatabaseListRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest briar.pb.cc, 1667
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest>
 >
 briar_service.pb.cc, 1715
Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest>
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::DatabaseRenameReply briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::FrameMetadataRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::FloatOptionRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::IntOptionRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::MediaMetadataRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::RecordRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::Record_MediaPreviewsEntry_DownloadRequest briar.pb.cc, 1668
 >
 briar_service.pb.cc, 1716
Arena::CreateMaybeMessage< ::briar::Record_SubjectPreviewsEntry_DownloadRequest briar.pb.cc, 1669
 >
 briar_service.pb.cc, 1717
Arena::CreateMaybeMessage< ::briar::Detection>
 >

```

briar.pb.cc, 1669  
Arena::CreateMaybeMessage< ::briar::RecordList >  
    >  
        briar.pb.cc, 1669  
Arena::CreateMaybeMessage< ::briar::SearchDatabaseReply >  
    >  
        briar\_service.pb.cc, 1718  
Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::SearchMatchInfo >  
    >  
        briar.pb.cc, 1669  
Arena::CreateMaybeMessage< ::briar::SearchMatchList >  
    >  
        briar.pb.cc, 1669  
Arena::CreateMaybeMessage< ::briar::SearchOptions >  
    >  
        briar.pb.cc, 1669  
Arena::CreateMaybeMessage< ::briar::SearchReply >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::SearchRequest >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::StatusReply >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::StatusRequest >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::StringOption >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::Template >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateData >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateIds >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateImageInput >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateList >  
    >  
        briar.pb.cc, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateListGroupArena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >  
    >  
        briar.pb.h, 1671  
Arena::CreateMaybeMessage< ::briar::TrackingOptions >  
    >  
        briar.pb.cc, 1671  
Arena::CreateMaybeMessage< ::briar::Tracklet >  
    >  
        briar.pb.cc, 1671  
Arena::CreateMaybeMessage< ::briar::TrackReply >  
    >  
        briar\_service.pb.cc, 1719  
Arena::CreateMaybeMessage< ::briar::TrackRequest >  
    >  
        briar\_service.pb.cc, 1720  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply >  
    >  
        briar\_service.pb.cc, 1720  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse >  
    >  
        briar\_error.pb.h, 1694  
            briar\_service.pb.cc, 1720  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGaller... >  
    >  
        briar\_service.pb.cc, 1720  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixGaller... >  
    >  
        briar\_service.pb.cc, 1721  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbe >  
    >  
        briar\_service.pb.cc, 1721  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbe >  
    >  
        briar\_service.pb.cc, 1721  
Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply\_MatrixProbe >  
    >  
        briar\_service.pb.cc, 1721  
Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo >  
    >  
        briar.pb.cc, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyMatchList >  
    >  
        briar.pb.cc, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyOptions >  
    >  
        briar.pb.cc, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyReply >  
    >  
        briar\_service.pb.cc, 1721  
Arena::CreateMaybeMessage< ::briar::VerifyRequest >  
    >  
        briar\_service.pb.cc, 1722  
Arena::CreateMaybeMessage< ::briar::APIVersion >  
    >  
        briar.pb.h, 1679  
Arena::CreateMaybeMessage< ::briar::Attribute >  
    >  
        briar.pb.h, 1679  
Arena::CreateMaybeMessage< ::briar::BoolOption >  
    >  
        briar.pb.h, 1679  
Arena::CreateMaybeMessage< ::briar::BriarDatabase >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDuration >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurations >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurations\_SubDurationsEntry >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurationsList >  
    >  
        briar.pb.h, 1680  
Arena::CreateMaybeMessage< ::briar::BriarErrorMessage >

Arena::CreateMaybeMessage<::briar::BriarErrors >  
     briar\_error.pb.h, [1694](#)

Arena::CreateMaybeMessage<::briar::BriarMatrix >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::BriarMedia >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::BriarPoint2D >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::BriarProgress >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::BriarRect >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::BriarServiceConfig >  
     >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::BriarServiceConfig >  
     >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::BriarVector >  
     briar.pb.h, [1681](#)

Arena::CreateMaybeMessage<::briar::ClusterConfidence >  
     >  
     briar.pb.h, [1682](#)

Arena::CreateMaybeMessage<::briar::ClusterIds >  
     briar.pb.h, [1682](#)

Arena::CreateMaybeMessage<::briar::ClusterReply >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::ClusterRequest >  
     >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::DatabaseCheckpoint >  
     >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::DatabaseCheckpoint >  
     >  
     briar\_service.pb.h, [1728](#)

Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest >  
     >  
     briar\_service.pb.h, [1729](#)

Arena::CreateMaybeMessage<::briar::DatabaseCreateRequest >  
     >  
     briar\_service.pb.h, [1729](#)

Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest >  
     >  
     briar\_service.pb.h, [1729](#)

Arena::CreateMaybeMessage<::briar::DatabaseDeleteRequest >  
     >  
     briar\_service.pb.h, [1729](#)

Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest >  
     >  
     briar\_service.pb.h, [1729](#)

Arena::CreateMaybeMessage<::briar::DatabaseFinalizeRequest >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseHasEntryReply >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseHasEntryRequest >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseInfoReply >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseInfoRequest >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseInsertReply >  
     >  
     briar\_service.pb.h, [1730](#)

Arena::CreateMaybeMessage<::briar::DatabaseInsertRequest >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseListEntriesReply >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseListEntriesRequest >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseListReply >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseListRequest >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseLoadReply >  
     >  
     briar\_service.pb.h, [1731](#)

Arena::CreateMaybeMessage<::briar::DatabaseLoadRequest >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseMergeReply >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseMergeRequest >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryReply >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseMoveEntryRequest >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsReply >  
     >  
     briar\_service.pb.h, [1732](#)

Arena::CreateMaybeMessage<::briar::DatabaseRemoveTmplsRequest >  
     >  
     briar\_service.pb.h, [1733](#)

Arena::CreateMaybeMessage<::briar::DatabaseRenameReply >  
     >  
     briar\_service.pb.h, [1733](#)

Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest>  
    >  
    briar\_service.pb.h, 1733

Arena::CreateMaybeMessage<::briar::DatabaseRetrieveReply>  
    >  
    briar\_service.pb.h, 1733

Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest>  
    >  
    briar\_service.pb.h, 1733

Arena::CreateMaybeMessage<::briar::Detection>  
    >  
    briar.pb.h, 1682

Arena::CreateMaybeMessage<::briar::DetectionOptions>  
    >  
    briar.pb.h, 1682

Arena::CreateMaybeMessage<::briar::DetectReply>  
    >  
    briar\_service.pb.h, 1733

Arena::CreateMaybeMessage<::briar::DetectRequest>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::Empty>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::EnhanceOptions>  
    >  
    briar.pb.h, 1682

Arena::CreateMaybeMessage<::briar::EnhanceReply>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::EnhanceRequest>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::EnrollCustomRequest>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::EnrollmentInfo>  
    >  
    briar.pb.h, 1682

Arena::CreateMaybeMessage<::briar::EnrollOptions>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::EnrollReply>  
    >  
    briar\_service.pb.h, 1734

Arena::CreateMaybeMessage<::briar::EnrollRequest>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::ExtractOptions>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::ExtractReply>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::ExtractRequest>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::FloatOption>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::FrameMetadata>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::IntOption>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::MediaMetadata>  
    >  
    briar.pb.h, 1683

Arena::CreateMaybeMessage<::briar::Record>  
    >  
    briar.pb.h, 1684

Arena::CreateMaybeMessage<::briar::Record\_MediaPreviewsEntry\_DoNot>

Arena::CreateMaybeMessage<::briar::Record\_SubjectPreviewsEntry\_DoNot>

Arena::CreateMaybeMessage<::briar::RecordList>  
    >  
    briar.pb.h, 1684

Arena::CreateMaybeMessage<::briar::SearchDatabaseReply>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::SearchMatchInfo>  
    >  
    briar.pb.h, 1684

Arena::CreateMaybeMessage<::briar::SearchMatchList>  
    >  
    briar.pb.h, 1684

Arena::CreateMaybeMessage<::briar::SearchOptions>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::SearchReply>  
    >  
    briar\_service.pb.h, 1735

Arena::CreateMaybeMessage<::briar::SearchRequest>  
    >  
    briar\_service.pb.h, 1736

Arena::CreateMaybeMessage<::briar::StatusReply>  
    >  
    briar\_service.pb.h, 1736

Arena::CreateMaybeMessage<::briar::StatusRequest>  
    >  
    briar\_service.pb.h, 1736

Arena::CreateMaybeMessage<::briar::StringOption>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::Template>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::TemplateData>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::TemplateIds>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::TemplateImageInput>  
    >  
    briar.pb.h, 1685

Arena::CreateMaybeMessage<::briar::TemplateList>  
    >  
    briar.pb.h, 1686

Arena::CreateMaybeMessage<::briar::TemplateListGroup>  
    >  
    briar.pb.h, 1686

Arena::CreateMaybeMessage<::briar::TrackingOptions>  
    >  
    briar.pb.h, 1686

Arena::CreateMaybeMessage<::briar::Tracklet>

briar.pb.h, [1686](#)

Arena::CreateMaybeMessage<::briar::TrackReply>  
    briar\_service.pb.h, [1736](#)

Arena::CreateMaybeMessage<::briar::TrackRequest>  
    briar\_service.pb.h, [1736](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply>  
    >  
    briar\_service.pb.h, [1736](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchEntryOptions>  
    >  
    briar\_service.pb.h, [1737](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchEntryOptions\_E07>  
    >  
    briar\_service.pb.h, [1737](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchEntryTrackletsEntry>  
    >  
    briar\_service.pb.h, [1737](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchEntryAttributesEntry>  
    >  
    briar\_service.pb.h, [1737](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchProbeDetectionsEntry>  
    >  
    briar\_service.pb.h, [1737](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply\_MatchProbeTrackletsEntry>  
    >  
    briar\_service.pb.h, [1738](#)

Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>  
    >  
    briar\_service.pb.h, [1738](#)

Arena::CreateMaybeMessage<::briar::VerifyMatchInfo>  
    >  
    briar.pb.h, [1686](#)

Arena::CreateMaybeMessage<::briar::VerifyMatchList>  
    >  
    briar.pb.h, [1686](#)

Arena::CreateMaybeMessage<::briar::VerifyOptions>  
    briar.pb.h, [1687](#)

Arena::CreateMaybeMessage<::briar::VerifyReply>  
    briar\_service.pb.h, [1738](#)

Arena::CreateMaybeMessage<::briar::VerifyRequest>  
    briar\_service.pb.h, [1738](#)

associated\_detection\_id  
    briar::Template, [1368](#)

associated\_tracklet\_id  
    briar::Template, [1368](#)

Attribute  
    briar::Attribute, [146](#)

AttributeDefaultTypeInternal  
    briar::AttributeDefaultTypeInternal, [165](#)

attributes  
    briar::BriarDatabaseInfo, [192](#)  
    briar::Detection, [823](#)  
    briar::DetectionOptions, [842](#)  
    briar::EnhanceOptions, [906](#)  
    briar::EnrollmentInfo, [969](#)  
    briar::EnrollOptions, [988](#)  
    briar::ExtractOptions, [1057](#)  
    briar::FrameMetadata, [1115](#), [1116](#)

briar::MediaMetadata, [1148](#)

briar::Record, [1162](#)

briar::TrackingOptions, [1445](#)

briar::Tracklet, [1462](#)

attributes\_size

briar::BriarDatabaseInfo, [192](#)  
briar::Detection, [824](#)  
briar::DetectionOptions, [842](#)  
~~briar::EnhanceOptions, [906](#)~~  
DoNotUse  
briar::EnrollmentInfo, [970](#)  
briar::EnrollOptions, [988](#)  
~~briar::ExtractOptions, [1057](#)~~  
DoNotUse  
briar::FrameMetadata, [1116](#)  
briar::MediaMetadata, [1148](#)  
~~briar::Tracklet, [1462](#)~~  
DoNotUse  
briar::TrackingOptions, [1445](#)  
briar::Tracklet, [1462](#)

briar::BriarDatabaseInfo, [192](#)

base\_port

briar::BriarServiceConfigurationReply, [357](#)

BEHAVIOR  
    briar, [35](#)

best  
    briar::DetectionOptions, [842](#)

briar::DetectionOptions::\_Internal, [95](#)

BiometricModality  
    briar, [34](#)

BiometricModality\_ARRAYSIZE  
    briar, [62](#)

BiometricModality\_descriptor  
    briar, [40](#)

BiometricModality\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_  
    briar, [35](#)

BiometricModality\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_  
    briar, [35](#)

BiometricModality\_IsValid  
    briar, [40](#)

BiometricModality\_MAX  
    briar, [62](#)

BiometricModality\_MIN  
    briar, [62](#)

BiometricModality\_Name  
    briar, [40](#)

BiometricModality\_Parse  
    briar, [40](#)

BODY  
    briar, [35](#)

body  
    briar::SearchMatchInfo, [1238](#)  
    briar::SearchMatchInfo::\_Internal, [113](#)  
    briar::VerifyMatchInfo, [1570](#)  
    briar::VerifyMatchInfo::\_Internal, [126](#)

body\_min\_height  
    briar::DetectionOptions, [843](#)  
    briar::DetectionOptions::\_Internal, [95](#)

body\_threshold  
    briar::DetectionOptions, [843](#)

briar::DetectionOptions::\_Internal, 95  
BoolOption  
    briar::BoolOption, 168, 169  
BoolOptionDefaultTypeInternal  
    briar::BoolOptionDefaultTypeInternal, 175  
briar, 23  
    \_APIVersion\_default\_instance\_, 47  
    \_Attribute\_default\_instance\_, 47  
    \_BoolOption\_default\_instance\_, 48  
    \_BriarDatabaseInfo\_default\_instance\_, 48  
    \_BriarDatabase\_default\_instance\_, 48  
    \_BriarDuration\_default\_instance\_, 48  
    \_BriarDurationsList\_default\_instance\_, 48  
    \_BriarDurations\_SubDurationsEntry\_DoNotUse\_default\_instance\_,  
        48  
    \_BriarDurations\_default\_instance\_, 48  
    \_BriarErrorMessage\_default\_instance\_, 49  
    \_BriarErrors\_default\_instance\_, 49  
    \_BriarMatrix\_default\_instance\_, 49  
    \_BriarMedia\_default\_instance\_, 49  
    \_BriarPoint2D\_default\_instance\_, 49  
    \_BriarProgress\_default\_instance\_, 49  
    \_BriarRect\_default\_instance\_, 49  
    \_BriarServiceConfigurationReply\_default\_instance\_,  
        49  
    \_BriarServiceConfigurationRequest\_default\_instance\_,  
        50  
    \_BriarVector\_default\_instance\_, 50  
    \_ClusterConfidence\_default\_instance\_, 50  
    \_ClusterIds\_default\_instance\_, 50  
    \_ClusterReply\_default\_instance\_, 50  
    \_ClusterRequest\_default\_instance\_, 50  
    \_DatabaseCheckpointReply\_default\_instance\_, 50  
    \_DatabaseCheckpointRequest\_default\_instance\_,  
        51  
    \_DatabaseCheckpointSubjectRequest\_default\_instance\_,  
        51  
    \_DatabaseCreateReply\_default\_instance\_, 51  
    \_DatabaseCreateRequest\_default\_instance\_, 51  
    \_DatabaseDeleteReply\_default\_instance\_, 51  
    \_DatabaseDeleteRequest\_default\_instance\_, 51  
    \_DatabaseFinalizeReply\_default\_instance\_, 51  
    \_DatabaseFinalizeRequest\_default\_instance\_, 52  
    \_DatabaseHasEntryReply\_default\_instance\_, 52  
    \_DatabaseHasEntryRequest\_default\_instance\_,  
        52  
    \_DatabaseInfoReply\_default\_instance\_, 52  
    \_DatabaseInfoRequest\_default\_instance\_, 52  
    \_DatabaseInsertReply\_default\_instance\_, 52  
    \_DatabaseInsertRequest\_default\_instance\_, 52  
    \_DatabaseListEntriesRequest\_default\_instance\_,  
        53  
    \_DatabaseListReply\_default\_instance\_, 53  
    \_DatabaseListRequest\_default\_instance\_, 53  
    \_DatabaseListentriesReply\_default\_instance\_, 52  
    \_DatabaseLoadReply\_default\_instance\_, 53  
    \_DatabaseLoadRequest\_default\_instance\_, 53  
    \_DatabaseMergeReply\_default\_instance\_, 53  
    \_DatabaseMergeRequest\_default\_instance\_, 53  
    \_DatabaseMoveEntryReply\_default\_instance\_, 54  
    \_DatabaseMoveEntryRequest\_default\_instance\_,  
        54  
    \_DatabaseRemoveTmplsReply\_default\_instance\_,  
        54  
    \_DatabaseRemoveTmplsRequest\_default\_instance\_,  
        54  
    \_DatabaseRenameReply\_default\_instance\_, 54  
    \_DatabaseRenameRequest\_default\_instance\_, 54  
    \_DatabaseRetrieveReply\_default\_instance\_, 54  
    \_DatabaseRetrieveRequest\_default\_instance\_, 55  
    \_DetectReply\_default\_instance\_, 55  
    \_DetectRequest\_default\_instance\_, 55  
    \_DetectionOptions\_default\_instance\_, 55  
    \_Detection\_default\_instance\_, 55  
    \_Empty\_default\_instance\_, 55  
    \_EnhanceOptions\_default\_instance\_, 55  
    \_EnhanceReply\_default\_instance\_, 55  
    \_EnhanceRequest\_default\_instance\_, 56  
    \_EnrollCustomRequest\_default\_instance\_, 56  
    \_EnrollOptions\_default\_instance\_, 56  
    \_EnrollReply\_default\_instance\_, 56  
    \_EnrollRequest\_default\_instance\_, 56  
    \_EnrollmentInfo\_default\_instance\_, 56  
    \_ExtractOptions\_default\_instance\_, 56  
    \_ExtractReply\_default\_instance\_, 56  
    \_ExtractRequest\_default\_instance\_, 57  
    \_FloatOption\_default\_instance\_, 57  
    \_FrameMetadata\_default\_instance\_, 57  
    \_IntOption\_default\_instance\_, 57  
    \_MediaMetadata\_default\_instance\_, 57  
    \_RecordList\_default\_instance\_, 58  
    \_Record\_MediaPreviewsEntry\_DoNotUse\_default\_instance\_,  
        57  
    \_Record\_SubjectPreviewsEntry\_DoNotUse\_default\_instance\_,  
        57  
    \_Record\_default\_instance\_, 57  
    \_SearchDatabaseReply\_default\_instance\_, 58  
    \_SearchDatabaseRequest\_default\_instance\_, 58  
    \_SearchMatchInfo\_default\_instance\_, 58  
    \_SearchMatchList\_default\_instance\_, 58  
    \_SearchOptions\_default\_instance\_, 58  
    \_SearchReply\_default\_instance\_, 58  
    \_SearchRequest\_default\_instance\_, 59  
    \_StatusReply\_default\_instance\_, 59  
    \_StatusRequest\_default\_instance\_, 59  
    \_StringOption\_default\_instance\_, 59  
    \_TemplateData\_default\_instance\_, 59  
    \_TemplatedIds\_default\_instance\_, 59  
    \_TemplateImageInput\_default\_instance\_, 59  
    \_TemplateListGroup\_default\_instance\_, 60  
    \_TemplateList\_default\_instance\_, 60  
    \_Template\_default\_instance\_, 59  
    \_TrackReply\_default\_instance\_, 60  
    \_TrackRequest\_default\_instance\_, 60  
    \_TrackingOptions\_default\_instance\_, 60  
    \_Tracklet\_default\_instance\_, 60

\_VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse\_Default\_Instance\_,  
60  
\_VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse\_Default\_Instance\_,  
61  
\_VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse\_Default\_Instance\_,  
61  
\_VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse\_Default\_Instance\_,  
61  
\_VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse\_Default\_Instance\_,  
61  
\_VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse\_Default\_Instance\_,  
61  
\_VerifyDatabaseReply\_default\_instance\_, 60  
\_VerifyDatabaseRequest\_default\_instance\_, 61  
\_VerifyMatchInfo\_default\_instance\_, 61  
\_VerifyMatchList\_default\_instance\_, 62  
\_VerifyOptions\_default\_instance\_, 62  
\_VerifyReply\_default\_instance\_, 62  
\_VerifyRequest\_default\_instance\_, 62  
ANTHROPOMETRY, 35  
BEHAVIOR, 35  
BiometricModality, 34  
BiometricModality\_ARRAYSIZE, 62  
BiometricModality\_descriptor, 40  
BiometricModality\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_BriarError\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
35  
BiometricModality\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_BriarError\_IsValid, 41  
35  
BiometricModality\_IsValid, 40  
BiometricModality\_MAX, 62  
BiometricModality\_MIN, 62  
BiometricModality\_Name, 40  
BiometricModality\_Parse, 40  
BODY, 35  
BRIAR\_BAD\_ARGUMENT, 36  
BRIAR\_BAD\_LICENSE, 36  
BRIAR\_BAD\_SDK\_CONFIG, 36  
BRIAR\_BATCH\_ABORTED\_EARLY, 36  
BRIAR\_BATCH\_FINISHED\_WITH\_ERRORS, 36  
BRIAR\_CALLBACK\_EXIT\_IMMEDIATELY, 36  
BRIAR\_DUPLICATE\_ID, 36  
BRIAR\_FAILURE\_TO\_DESERIALIZE, 36  
BRIAR\_FAILURE\_TO\_SERIALIZE, 36  
BRIAR\_INCORRECT\_ROLE, 36  
BRIAR\_INTERNAL\_ERROR, 36  
BRIAR\_INVALID\_ATTRIBUTE\_KEY, 36  
BRIAR\_INVALID\_GPU, 36  
BRIAR\_INVALID\_MEDIA, 36  
BRIAR\_INVALID\_SDK\_PATH, 36  
BRIAR\_MEDIA\_AT\_END, 36  
BRIAR\_MISSING\_ATTRIBUTE, 36  
BRIAR\_MISSING\_DATA, 36  
BRIAR\_MISSING\_FILE\_NAME, 36  
BRIAR\_MISSING\_ID, 36  
BRIAR\_NOT\_IMPLEMENTED, 36  
BRIAR\_NUM\_ERRORS, 36  
BRIAR\_OPEN\_ERROR, 36  
BRIAR\_OUT\_OF\_BOUNDS\_ACCESS, 36  
BRIAR\_PARSE\_ERROR, 36  
BRIAR\_READ\_ERROR, 36  
BRIAR\_SUCCESS, 36  
BRIAR\_UNKNOWN\_ERROR, 36  
BRIAR\_WRITE\_ERROR, 36  
BriarDefaultTypeInstance\_,  
BriarDataType\_ARRAYSIZE, 62  
BriarDataType\_descriptor, 41  
BriarDataType\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
35  
BriarDataType\_ISVALID, 41  
BriarDataType\_MAX, 63  
BriarDataType\_MIN, 63  
BriarDataType\_Name, 41  
BriarDataType\_Parse, 41  
BriarDouble, 39  
BriarError, 36  
BriarError\_ARRAYSIZE, 63  
BriarError\_descriptor, 41  
BriarError\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
36  
BriarError\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
36  
BriarError\_IsValid, 41  
BriarError\_MAX, 63  
BriarError\_MIN, 63  
BriarError\_Name, 41  
BriarError\_Parse, 42  
BriarFloat, 39  
BriarInt16, 39  
BriarInt32, 39  
BriarInt64, 39  
BriarInt8, 39  
BriarMedia\_DataType, 36  
BriarMedia\_DataType\_BriarMedia\_DataType\_INT\_MAX\_SENTINEL\_,  
37  
BriarMedia\_DataType\_BriarMedia\_DataType\_INT\_MIN\_SENTINEL\_,  
37  
BriarMedia\_DataType\_DataType\_ARRAYSIZE, 63  
BriarMedia\_DataType\_DataType\_MAX, 63  
BriarMedia\_DataType\_DataType\_MIN, 64  
BriarMedia\_DataType\_descriptor, 42  
BriarMedia\_DataType\_EPS, 37  
BriarMedia\_DataType\_FLOAT32, 37  
BriarMedia\_DataType\_GENERIC\_IMAGE, 37  
BriarMedia\_DataType\_GENERIC\_VIDEO, 37  
BriarMedia\_DataType\_GIF, 37  
BriarMedia\_DataType\_H264, 37  
BriarMedia\_DataType\_H265, 37  
BriarMedia\_DataType\_IsValid, 42  
BriarMedia\_DataType\_JPG, 37  
BriarMedia\_DataType\_MJPG, 37  
BriarMedia\_DataType\_MONO16, 37  
BriarMedia\_DataType\_MONO8, 37  
BriarMedia\_DataType\_MP4, 37

BriarMedia\_DataType\_Name, 42  
BriarMedia\_DataType\_Parse, 42  
BriarMedia\_DataType\_PNG, 37  
BriarMedia\_DataType\_RAW, 37  
BriarMedia\_DataType\_RGB16, 37  
BriarMedia\_DataType\_RGB8, 37  
BriarMedia\_DataType\_RGBA16, 37  
BriarMedia\_DataType\_RGBA8, 37  
BriarMedia\_DataType\_SOURCE\_ONLY, 37  
BriarMedia\_DataType\_TIF, 37  
BriarMedia\_DataType\_URL, 37  
BriarServiceStatus, 37  
BriarServiceStatus\_ARRAYSIZE, 64  
BriarServiceStatus\_descriptor, 42  
BriarServiceStatus\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
37  
BriarServiceStatus\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_ExtractFlags\_IsValid, 44  
37  
BriarServiceStatus\_IsValid, 43  
BriarServiceStatus\_MAX, 64  
BriarServiceStatus\_MIN, 64  
BriarServiceStatus\_Name, 43  
BriarServiceStatus\_Parse, 43  
BriarUInt16, 39  
BriarUInt32, 39  
BriarUInt64, 39  
BriarUInt8, 39  
BUFFER, 35  
BUSY, 37  
BYTES, 35  
EAR, 35  
EMPTY, 35  
ENROLL\_AUTO\_DETECTION, 38  
ENROLL\_FULL\_IMAGE, 38  
ENROLL\_PROVIDED\_DETECTION, 38  
ENROLL\_PROVIDED\_TEMPLATE, 38  
EnrollFlags, 37  
EnrollFlags\_ARRAYSIZE, 64  
EnrollFlags\_descriptor, 43  
EnrollFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
38  
EnrollFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
38  
EnrollFlags\_IsValid, 43  
EnrollFlags\_MAX, 64  
EnrollFlags\_MIN, 64  
EnrollFlags\_Name, 43  
EnrollFlags\_Parse, 43  
ENTRY\_TYPE\_MEDIA, 38  
ENTRY\_TYPE SUBJECT, 38  
ENTRY\_TYPE UNKNOWN, 38  
EntryType, 38  
EntryType\_ARRAYSIZE, 65  
EntryType\_descriptor, 44  
EntryType\_INT\_MAX\_SENTINEL\_DO NOT USE\_,  
38  
EntryType\_INT\_MIN\_SENTINEL\_DO NOT USE\_,  
38  
EntryType\_IsValid, 44  
EntryType\_MAX, 65  
EntryType\_MIN, 65  
EntryType\_Name, 44  
EntryType\_Parse, 44  
ERROR, 37  
EXTRACT\_AUTO\_DETECTION, 38  
EXTRACT\_FULL\_IMAGE, 38  
EXTRACT\_PROVIDED\_DETECTION, 38  
ExtractFlags, 38  
ExtractFlags\_ARRAYSIZE, 65  
ExtractFlags\_descriptor, 44  
ExtractFlags\_INT\_MAX\_SENTINEL\_DO NOT USE\_,  
38  
ExtractFlags\_INT\_MIN\_SENTINEL\_DO NOT USE\_,  
38  
ExtractFlags\_IsValid, 44  
ExtractFlags\_MAX, 65  
ExtractFlags\_MIN, 65  
ExtractFlags\_Name, 44  
ExtractFlags\_Parse, 45  
FACE, 35  
FeatureVectorType, 38  
FeatureVectorType\_ARRAYSIZE, 65  
FeatureVectorType\_descriptor, 45  
FeatureVectorType\_INT\_MAX\_SENTINEL\_DO NOT USE\_,  
39  
FeatureVectorType\_INT\_MIN\_SENTINEL\_DO NOT USE\_,  
39  
FeatureVectorType\_IsValid, 45  
FeatureVectorType\_MAX, 65  
FeatureVectorType\_MIN, 66  
FeatureVectorType\_Name, 45  
FeatureVectorType\_Parse, 45  
FINGERPRINT, 35  
FLOAT, 35  
GAIT, 35  
HAND, 35  
HEAD, 35  
INT, 35  
IRIS, 35  
JSON, 35  
MATRIX, 35  
MEDIA, 35  
OTHER, 35  
PALM, 35  
PICKLE, 35  
POINT, 35  
READY, 37  
RECT, 35  
SEARCH\_AUTO\_DETECTION, 39  
SEARCH\_FULL\_IMAGE, 39  
SEARCH\_PROVIDED\_DETECTIONS, 39  
SEARCH\_PROVIDED\_TEMPLATES, 39  
SearchFlags, 39  
SearchFlags\_ARRAYSIZE, 66  
SearchFlags\_descriptor, 45

SearchFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
   39  
 SearchFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
   39  
 SearchFlags\_IsValid, 46  
 SearchFlags\_MAX, 66  
 SearchFlags\_MIN, 66  
 SearchFlags\_Name, 46  
 SearchFlags\_Parse, 46  
 SOFT\_BIOMETRICS, 35  
 STRING, 35  
 UNKNOWN, 37  
 UNSPECIFIED, 35  
 VECTOR, 35  
 VERIFY\_AUTO\_DETECTION, 39  
 VERIFY\_FULL\_IMAGE, 39  
 VERIFY\_PROVIDED\_DETECTIONS, 39  
 VERIFY\_PROVIDED\_TEMPLATES, 40  
 VerifyFlags, 39  
 VerifyFlags\_ARRAYSIZE, 66  
 VerifyFlags\_descriptor, 46  
 VerifyFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
   40  
 VerifyFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
   40  
 VerifyFlags\_IsValid, 46  
 VerifyFlags\_MAX, 66  
 VerifyFlags\_MIN, 66  
 VerifyFlags\_Name, 46  
 VerifyFlags\_Parse, 46  
 VerifyRequest\_VerifyRole, 40  
 VerifyRequest\_VerifyRole\_descriptor, 47  
 VerifyRequest\_VerifyRole\_IsValid, 47  
 VerifyRequest\_VerifyRole\_Name, 47  
 VerifyRequest\_VerifyRole\_Parse, 47  
 VerifyRequest\_VerifyRole\_reference, 40  
 VerifyRequest\_VerifyRole\_verify, 40  
 VerifyRequest\_VerifyRole\_VerifyRequest\_VerifyRole\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_,  
   40  
 VerifyRequest\_VerifyRole\_VerifyRequest\_VerifyRole\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_,  
   40  
 VerifyRequest\_VerifyRole\_VerifyRole\_ARRAYSIZE,  
   66  
 VerifyRequest\_VerifyRole\_VerifyRole\_MAX, 67  
 VerifyRequest\_VerifyRole\_VerifyRole\_MIN, 67  
 VOICE, 35  
 WHOLE\_BODY, 35  
 XML, 35  
 briar.pb.cc  
   Arena::CreateMaybeMessage< ::briar::APIVersion  
     >, 1664  
   Arena::CreateMaybeMessage< ::briar::Attribute  
     >, 1664  
   Arena::CreateMaybeMessage< ::briar::BoolOption  
     >, 1664  
   Arena::CreateMaybeMessage< ::briar::BriarDatabase  
     >, 1664  
   Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarDuration  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarDurations  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarDurations\_SubDurations  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarDurationsList  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarMatrix  
     >, 1665  
   Arena::CreateMaybeMessage< ::briar::BriarMedia  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::BriarPoint2D  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::BriarProgress  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::BriarRect  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::BriarVector  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::ClusterConfidence  
     >, 1666  
   Arena::CreateMaybeMessage< ::briar::ClusterIds  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::Detection  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::DetectionOptions  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::EnhanceOptions  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::EnrollmentInfo  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::EnrollOptions  
     >, 1667  
   Arena::CreateMaybeMessage< ::briar::ExtractOptions  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::FloatOption  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::FrameMetadata  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::IntOption  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::MediaMetadata  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::Record  
     >, 1668  
   Arena::CreateMaybeMessage< ::briar::Record\_MediaPreviewsEntry  
     >, 1669  
   Arena::CreateMaybeMessage< ::briar::Record\_SubjectPreviewsEntry  
     >, 1669  
   Arena::CreateMaybeMessage< ::briar::RecordList  
     >, 1669  
   Arena::CreateMaybeMessage< ::briar::SearchMatchInfo  
     >, 1669  
   Arena::CreateMaybeMessage< ::briar::SearchMatchList  
     >, 1669

Arena::CreateMaybeMessage< ::briar::SearchOptions >, 1669  
Arena::CreateMaybeMessage< ::briar::StringOption >, 1670  
Arena::CreateMaybeMessage< ::briar::Template >, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateData >, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateIds >, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateImageInput >, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateList >, 1670  
Arena::CreateMaybeMessage< ::briar::TemplateListGroupArena::CreateMaybeMessage< ::briar::EnhanceOptions >, 1671  
Arena::CreateMaybeMessage< ::briar::TrackingOptions >, 1671  
Arena::CreateMaybeMessage< ::briar::Tracklet >, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyMatchInfo >, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyMatchList >, 1671  
Arena::CreateMaybeMessage< ::briar::VerifyOptions >, 1671  
CHK\_, 1658–1664  
descriptor\_table\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto, 1672  
descriptor\_table\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto\_getter, 1672  
PROTOBUF\_SECTION\_VARIABLE, 1672  
briar.pb.h  
Arena::CreateMaybeMessage< ::briar::APIVersion >, 1679  
Arena::CreateMaybeMessage< ::briar::Attribute >, 1679  
Arena::CreateMaybeMessage< ::briar::BoolOption >, 1679  
Arena::CreateMaybeMessage< ::briar::BriarDatabase >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDatabaseInfo >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDuration >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurations >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurations\_SubDuration\_1682\_Briar\_DoNotUse >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarDurationsList >, 1680  
Arena::CreateMaybeMessage< ::briar::BriarMatrix >, 1681  
Arena::CreateMaybeMessage< ::briar::BriarMedia >, 1681  
Arena::CreateMaybeMessage< ::briar::BriarPoint2D >, 1681  
Arena::CreateMaybeMessage< ::briar::BriarProgress >, 1681  
Arena::CreateMaybeMessage< ::briar::BriarRect >, 1681  
Arena::CreateMaybeMessage< ::briar::BriarVector >, 1681  
Arena::CreateMaybeMessage< ::briar::ClusterConfidence >, 1682  
Arena::CreateMaybeMessage< ::briar::ClusterIds >, 1682  
Arena::CreateMaybeMessage< ::briar::Detection >, 1682  
Arena::CreateMaybeMessage< ::briar::DetectionOptions >, 1682  
Arena::CreateMaybeMessage< ::briar::EnhanceOptions >, 1682  
Arena::CreateMaybeMessage< ::briar::EnrollmentInfo >, 1682  
Arena::CreateMaybeMessage< ::briar::EnrollOptions >, 1683  
Arena::CreateMaybeMessage< ::briar::ExtractOptions >, 1683  
Arena::CreateMaybeMessage< ::briar::FloatOption >, 1683  
Arena::CreateMaybeMessage< ::briar::FrameMetadata >, 1683  
Arena::CreateMaybeMessage< ::briar::IntOption >, 1683  
Arena::CreateMaybeMessage< ::briar::MediaMetadata >, 1683  
Arena::CreateMaybeMessage< ::briar::Record >, 1684  
Arena::CreateMaybeMessage< ::briar::Record\_MediaPreviewsEntry >, 1684  
Arena::CreateMaybeMessage< ::briar::Record\_SubjectPreviewsEntry >, 1684  
Arena::CreateMaybeMessage< ::briar::RecordList >, 1684  
Arena::CreateMaybeMessage< ::briar::SearchMatchInfo >, 1684  
Arena::CreateMaybeMessage< ::briar::SearchMatchList >, 1684  
Arena::CreateMaybeMessage< ::briar::SearchOptions >, 1685  
Arena::CreateMaybeMessage< ::briar::StringOption >, 1685  
Arena::CreateMaybeMessage< ::briar::Template >, 1685  
Arena::CreateMaybeMessage< ::briar::TemplateData >, 1685  
Arena::CreateMaybeMessage< ::briar::TemplateIds >, 1685  
Arena::CreateMaybeMessage< ::briar::TemplateImageInput >, 1685  
Arena::CreateMaybeMessage< ::briar::TemplateList >, 1686  
Arena::CreateMaybeMessage< ::briar::TemplateListGroup >, 1686

Arena::CreateMaybeMessage<::briar::TrackingOptions >, [1686](#)  
 Arena::CreateMaybeMessage<::briar::Tracklet >, [1686](#)  
 Arena::CreateMaybeMessage<::briar::VerifyMatchInfo >, [1686](#)  
 Arena::CreateMaybeMessage<::briar::VerifyMatchList >, [1686](#)  
 Arena::CreateMaybeMessage<::briar::VerifyOptions >, [1687](#)  
 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, [1688](#)  
 GetEnumDescriptor< ::briar::BiometricModality >, [1687](#)  
 GetEnumDescriptor< ::briar::BriarDataType >, [1687](#)  
 GetEnumDescriptor< ::briar::BriarMedia\_DataType >, [1687](#)  
 GetEnumDescriptor< ::briar::BriarServiceStatus >, [1687](#)  
 GetEnumDescriptor< ::briar::EnrollFlags >, [1687](#)  
 GetEnumDescriptor< ::briar::EntryType >, [1687](#)  
 GetEnumDescriptor< ::briar::ExtractFlags >, [1688](#)  
 GetEnumDescriptor< ::briar::FeatureVectorType >, [1688](#)  
 GetEnumDescriptor< ::briar::SearchFlags >, [1688](#)  
 GetEnumDescriptor< ::briar::VerifyFlags >, [1688](#)  
 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, [1679](#)  
 briar::APIVersion, [131](#)  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, [138](#)  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, [138](#)  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, [139](#)  
 \_InternalParse, [134](#)  
 \_InternalSerialize, [134](#)  
 \_class\_data\_, [139](#)  
 ~APIVersion, [133](#)  
 APIVersion, [133, 134](#)  
 ByteSizeLong, [134](#)  
 Clear, [134](#)  
 clear\_major, [135](#)  
 clear\_minor, [135](#)  
 clear\_patch, [135](#)  
 CopyFrom, [135](#)  
 default\_instance, [135](#)  
 descriptor, [135](#)  
 GetCachedSize, [135](#)  
 GetClassData, [136](#)  
 GetDescriptor, [136](#)  
 GetMetadata, [136](#)  
 GetReflection, [136](#)  
 internal\_default\_instance, [136](#)  
 IsInitialized, [136](#)  
 KIndexInFileMessages, [139](#)  
 KMajorFieldNumber, [133](#)  
 kMinorFieldNumber, [133](#)  
 kPatchFieldNumber, [133](#)  
 major, [136](#)  
 MergeFrom, [137](#)  
 minor, [137](#)  
 New, [137](#)  
 operator=, [137](#)  
 patch, [137](#)  
 set\_major, [137](#)  
 set\_minor, [138](#)  
 set\_patch, [138](#)  
 Swap, [138](#)  
 swap, [139](#)  
 UnsafeArenaSwap, [138](#)  
 briar::APIVersion::\_Internal, [69](#)  
 briar::APIVersionDefaultTypeInternal, [140](#)  
 \_instance, [141](#)  
 ~APIVersionDefaultTypeInternal, [140](#)  
 APIVersionDefaultTypeInternal, [140](#)  
 briar::Attribute, [141](#)  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, [163](#)  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, [163](#)  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, [163](#)  
 \_InternalParse, [146](#)  
 \_InternalSerialize, [147](#)  
 \_class\_data\_, [164](#)  
 ~Attribute, [146](#)  
 Attribute, [146](#)  
 buffer, [147](#)  
 ByteSizeLong, [147](#)  
 Clear, [147](#)  
 clear\_buffer, [147](#)  
 clear\_description, [147](#)  
 clear\_fvalue, [147](#)  
 clear\_ivalue, [148](#)  
 clear\_json, [148](#)  
 clear\_key, [148](#)  
 clear\_matrix, [148](#)  
 clear\_media, [148](#)  
 clear\_pickle, [148](#)  
 clear\_point, [148](#)  
 clear\_rect, [148](#)  
 clear\_text, [149](#)  
 clear\_type, [149](#)  
 clear\_vector, [149](#)  
 clear\_xml, [149](#)  
 CopyFrom, [149](#)  
 default\_instance, [149](#)  
 description, [149](#)  
 descriptor, [150](#)  
 fvalue, [150](#)  
 GetCachedSize, [150](#)  
 GetClassData, [150](#)  
 GetDescriptor, [150](#)  
 GetMetadata, [150](#)

GetReflection, 150  
has\_matrix, 151  
has\_media, 151  
has\_point, 151  
has\_rect, 151  
has\_vector, 151  
internal\_default\_instance, 151  
IsInitialized, 151  
ivalue, 152  
json, 152  
kBufferFieldNumber, 145  
kDescriptionFieldNumber, 145  
key, 152  
kValueFieldNumber, 145  
kIndexInFileMessages, 164  
klvalueFieldNumber, 145  
kJJsonFieldNumber, 145  
kKeyFieldNumber, 145  
kMatrixFieldNumber, 145  
kMediaFieldNumber, 145  
kPickleFieldNumber, 145  
kPointFieldNumber, 145  
kRectFieldNumber, 145  
kTextFieldNumber, 145  
kTypeFieldNumber, 145  
kVectorFieldNumber, 145  
kXmlFieldNumber, 145  
matrix, 152  
media, 152  
MergeFrom, 152  
mutable\_buffer, 152  
mutable\_description, 153  
mutable\_json, 153  
mutable\_key, 153  
mutable\_matrix, 153  
mutable\_media, 153  
mutable\_pickle, 153  
mutable\_point, 153  
mutable\_rect, 153  
mutable\_text, 154  
mutable\_vector, 154  
mutable\_xml, 154  
New, 154  
operator=, 154  
pickle, 154  
point, 155  
rect, 155  
release\_buffer, 155  
release\_description, 155  
release\_json, 155  
release\_key, 155  
release\_matrix, 155  
release\_media, 155  
release\_pickle, 156  
release\_point, 156  
release\_rect, 156  
release\_text, 156  
release\_vector, 156  
release\_xml, 156  
set\_allocated\_buffer, 156  
set\_allocated\_description, 156  
set\_allocated\_json, 157  
set\_allocated\_key, 157  
set\_allocated\_matrix, 157  
set\_allocated\_media, 157  
set\_allocated\_pickle, 157  
set\_allocated\_point, 157  
set\_allocated\_rect, 157  
set\_allocated\_text, 158  
set\_allocated\_vector, 158  
set\_allocated\_xml, 158  
set\_buffer, 158  
set\_description, 158, 159  
set\_fvalue, 159  
set\_ivalue, 159  
set\_json, 159  
set\_key, 159, 160  
set\_pickle, 160  
set\_text, 160  
set\_type, 160  
set\_xml, 161  
Swap, 161  
swap, 164  
text, 161  
type, 161  
unsafe\_arena\_release\_matrix, 161  
unsafe\_arena\_release\_media, 161  
unsafe\_arena\_release\_point, 162  
unsafe\_arena\_release\_rect, 162  
unsafe\_arena\_release\_vector, 162  
unsafe\_arena\_set\_allocated\_matrix, 162  
unsafe\_arena\_set\_allocated\_media, 162  
unsafe\_arena\_set\_allocated\_point, 162  
unsafe\_arena\_set\_allocated\_rect, 162  
unsafe\_arena\_set\_allocated\_vector, 163  
UnsafeArenaSwap, 163  
vector, 163  
xml, 163  
briar::Attribute::\_Internal, 69  
    matrix, 69  
    media, 69  
    point, 69  
    rect, 70  
    vector, 70  
briar::AttributeDefaultTypeInternal, 165  
    \_instance, 166  
    ~AttributeDefaultTypeInternal, 165  
    AttributeDefaultTypeInternal, 165  
briar::BoolOption, 166  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        173  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        173  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
        173  
    \_InternalParse, 169

\_InternalSerialize, 169  
 \_class\_data\_, 174  
 ~BoolOption, 168  
 BoolOption, 168, 169  
 ByteSizeLong, 170  
 Clear, 170  
 clear\_override\_default, 170  
 clear\_value, 170  
 CopyFrom, 170  
 default\_instance, 170  
 descriptor, 170  
 GetCachedSize, 171  
 GetClassData, 171  
 GetDescriptor, 171  
 GetMetadata, 171  
 GetReflection, 171  
 internal\_default\_instance, 171  
 IsInitialized, 171  
 kIndexInFileMessages, 174  
 kOverrideDefaultFieldNumber, 168  
 kValueFieldNumber, 168  
 MergeFrom, 172  
 New, 172  
 operator=, 172  
 override\_default, 172  
 set\_override\_default, 172  
 set\_value, 172  
 Swap, 173  
 swap, 173  
 UnsafeArenaSwap, 173  
 value, 173  
**briar::BoolOption::\_Internal**, 70  
**briar::BoolOptionDefaultTypeInternal**, 174  
 \_instance, 175  
 ~BoolOptionDefaultTypeInternal, 175  
 BoolOptionDefaultTypeInternal, 175  
**briar::BriarDatabase**, 176  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 183  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 183  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, 183  
 \_InternalParse, 179  
 \_InternalSerialize, 179  
 \_class\_data\_, 184  
 ~BriarDatabase, 178  
 BriarDatabase, 178, 179  
 ByteSizeLong, 179  
 Clear, 179  
 clear\_name, 180  
 CopyFrom, 180  
 default\_instance, 180  
 descriptor, 180  
 GetCachedSize, 180  
 GetClassData, 180  
 GetDescriptor, 180  
 GetMetadata, 181  
 GetReflection, 181  
 internal\_default\_instance, 181  
 IsInitialized, 181  
 kIndexInFileMessages, 184  
 kNameFieldNumber, 178  
 MergeFrom, 181  
 mutable\_name, 181  
 name, 181  
 New, 182  
 operator=, 182  
 release\_name, 182  
 set\_allocated\_name, 182  
 set\_name, 182  
 Swap, 183  
 swap, 183  
 UnsafeArenaSwap, 183  
**briar::BriarDatabase::\_Internal**, 70  
**briar::BriarDatabaseDefaultTypeInternal**, 184  
 \_instance, 185  
 ~BriarDatabaseDefaultTypeInternal, 185  
 BriarDatabaseDefaultTypeInternal, 185  
**briar::BriarDatabaseInfo**, 186  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 203  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 203  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, 203  
 \_InternalParse, 190  
 \_InternalSerialize, 190  
 \_class\_data\_, 203  
 ~BriarDatabaseInfo, 189  
 add\_attributes, 191  
 add\_entry\_ids, 191  
 add\_entry\_sizes, 191  
 add\_modalities, 192  
 add\_templates\_per\_entry, 192  
 attributes, 192  
 attributes\_size, 192  
 average\_entry\_size, 192  
 BriarDatabaseInfo, 189, 190  
 ByteSizeLong, 192  
 Clear, 193  
 clear\_attributes, 193  
 clear\_average\_entry\_size, 193  
 clear\_entry\_count, 193  
 clear\_entry\_ids, 193  
 clear\_entry\_sizes, 193  
 clear\_failed\_enrollment\_count, 193  
 clear\_modalities, 193  
 clear\_name, 194  
 clear\_template\_count, 194  
 clear\_templates\_per\_entry, 194  
 clear\_total\_database\_size, 194  
 CopyFrom, 194  
 default\_instance, 194  
 descriptor, 194  
 entry\_count, 195

entry\_ids, 195  
entry\_ids\_size, 195  
entry\_sizes, 195  
entry\_sizes\_size, 195  
failed\_enrollment\_count, 196  
GetCachedSize, 196  
GetClassData, 196  
GetDescriptor, 196  
GetMetadata, 196  
GetReflection, 196  
internal\_default\_instance, 196  
IsInitialized, 197  
kAttributesFieldNumber, 189  
kAverageEntrySizeFieldNumber, 189  
kEntryCountFieldNumber, 189  
kEntryIdsFieldNumber, 189  
kEntrySizesFieldNumber, 189  
kFailedEnrollmentCountFieldNumber, 189  
kIndexInFileMessages, 203  
kModalitiesFieldNumber, 189  
kNameFieldNumber, 189  
kTemplateCountFieldNumber, 189  
kTemplatesPerEntryFieldNumber, 189  
kTotalDatabaseSizeFieldNumber, 189  
MergeFrom, 197  
modalities, 197  
modalities\_size, 197  
mutable\_attributes, 197  
mutable\_entry\_ids, 198  
mutable\_entry\_sizes, 198  
mutable\_modalities, 198  
mutable\_name, 198  
mutable\_templates\_per\_entry, 198  
name, 198  
New, 199  
operator=, 199  
release\_name, 199  
set\_allocated\_name, 199  
set\_average\_entry\_size, 199  
set\_entry\_count, 199  
set\_entry\_ids, 200  
set\_entry\_sizes, 200  
set\_failed\_enrollment\_count, 200  
set\_modalities, 201  
set\_name, 201  
set\_template\_count, 201  
set\_templates\_per\_entry, 201  
set\_total\_database\_size, 201  
Swap, 202  
swap, 203  
template\_count, 202  
templates\_per\_entry, 202  
templates\_per\_entry\_size, 202  
total\_database\_size, 202  
UnsafeArenaSwap, 202  
briar::BriarDatabaseInfo::\_Internal, 70  
briar::BriarDatabaseInfoDefaultTypeInternal, 204  
\_instance, 205  
~BriarDatabaseInfoDefaultTypeInternal, 205  
BriarDatabaseInfoDefaultTypeInternal, 205  
briar::BriarDuration, 206  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
213  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
213  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
213  
\_InternalParse, 209  
\_InternalSerialize, 209  
\_class\_data\_, 213  
~BriarDuration, 208  
BriarDuration, 208, 209  
ByteSizeLong, 209  
Clear, 209  
clear\_end, 210  
clear\_start, 210  
CopyFrom, 210  
default\_instance, 210  
descriptor, 210  
end, 210  
GetCachedSize, 210  
GetClassData, 211  
GetDescriptor, 211  
GetMetadata, 211  
GetReflection, 211  
internal\_default\_instance, 211  
IsInitialized, 211  
kEndFieldNumber, 208  
kIndexInFileMessages, 214  
kStartFieldNumber, 208  
MergeFrom, 211  
New, 212  
operator=, 212  
set\_end, 212  
set\_start, 212  
start, 212  
Swap, 212  
swap, 213  
UnsafeArenaSwap, 213  
briar::BriarDuration::\_Internal, 71  
briar::BriarDurationDefaultTypeInternal, 214  
\_instance, 215  
~BriarDurationDefaultTypeInternal, 215  
BriarDurationDefaultTypeInternal, 215  
briar::BriarDurations, 216  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
230  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
230  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
230  
\_InternalParse, 220  
\_InternalSerialize, 220  
\_class\_data\_, 231  
~BriarDurations, 219  
BriarDurations, 219

ByteSizeLong, 220  
 Clear, 220  
 clear\_client\_duration\_file\_level, 220  
 clear\_client\_duration\_frame\_level, 220  
 clear\_grpc\_inbound\_transfer\_duration, 221  
 clear\_grpc\_outbound\_transfer\_duration, 221  
 clear\_service\_duration, 221  
 clear\_sub\_durations, 221  
 clear\_total\_duration, 221  
 client\_duration\_file\_level, 221  
 client\_duration\_frame\_level, 221  
 CopyFrom, 222  
 default\_instance, 222  
 descriptor, 222  
 GetCachedSize, 222  
 GetClassData, 222  
 GetDescriptor, 222  
 GetMetadata, 222  
 GetReflection, 223  
 grpc\_inbound\_transfer\_duration, 223  
 grpc\_outbound\_transfer\_duration, 223  
 has\_client\_duration\_file\_level, 223  
 has\_client\_duration\_frame\_level, 223  
 has\_grpc\_inbound\_transfer\_duration, 223  
 has\_grpc\_outbound\_transfer\_duration, 223  
 has\_service\_duration, 224  
 has\_total\_duration, 224  
 internal\_default\_instance, 224  
 IsInitialized, 224  
 KClientDurationFileLevelFieldNumber, 219  
 KClientDurationFrameLevelFieldNumber, 219  
 KGrpcInboundTransferDurationFieldNumber, 219  
 KGrpcOutboundTransferDurationFieldNumber, 219  
 KIndexInFileMessages, 231  
 KServiceDurationFieldNumber, 219  
 KSubDurationsFieldNumber, 219  
 KTotalDurationFieldNumber, 219  
 MergeFrom, 224  
 mutable\_client\_duration\_file\_level, 224  
 mutable\_client\_duration\_frame\_level, 224  
 mutable\_grpc\_inbound\_transfer\_duration, 225  
 mutable\_grpc\_outbound\_transfer\_duration, 225  
 mutable\_service\_duration, 225  
 mutable\_sub\_durations, 225  
 mutable\_total\_duration, 225  
 New, 225  
 operator=, 225, 226  
 release\_client\_duration\_file\_level, 226  
 release\_client\_duration\_frame\_level, 226  
 release\_grpc\_inbound\_transfer\_duration, 226  
 release\_grpc\_outbound\_transfer\_duration, 226  
 release\_service\_duration, 226  
 release\_total\_duration, 226  
 service\_duration, 227  
 set\_allocated\_client\_duration\_file\_level, 227  
 set\_allocated\_client\_duration\_frame\_level, 227  
 set\_allocated\_grpc\_inbound\_transfer\_duration,  
     227  
 set\_allocated\_grpc\_outbound\_transfer\_duration,  
     227  
 set\_allocated\_service\_duration, 227  
 set\_allocated\_total\_duration, 227  
 sub\_durations, 228  
 sub\_durations\_size, 228  
 Swap, 228  
 swap, 231  
 total\_duration, 228  
 unsafe\_arena\_release\_client\_duration\_file\_level,  
     228  
 unsafe\_arena\_release\_client\_duration\_frame\_level,  
     228  
 unsafe\_arena\_release\_grpc\_inbound\_transfer\_duration,  
     228  
 unsafe\_arena\_release\_grpc\_outbound\_transfer\_duration,  
     229  
 unsafe\_arena\_release\_service\_duration, 229  
 unsafe\_arena\_release\_total\_duration, 229  
 unsafe\_arena\_set\_allocated\_client\_duration\_file\_level,  
     229  
 unsafe\_arena\_set\_allocated\_client\_duration\_frame\_level,  
     229  
 unsafe\_arena\_set\_allocated\_grpc\_inbound\_transfer\_duration,  
     229  
 unsafe\_arena\_set\_allocated\_grpc\_outbound\_transfer\_duration,  
     229  
 unsafe\_arena\_set\_allocated\_service\_duration,  
     230  
 unsafe\_arena\_set\_allocated\_total\_duration, 230  
 UnsafeArenaSwap, 230  
 briar::BriarDurations::\_Internal, 71  
     client\_duration\_file\_level, 71  
     client\_duration\_frame\_level, 71  
     grpc\_inbound\_transfer\_duration, 71  
     grpc\_outbound\_transfer\_duration, 71  
     service\_duration, 72  
     total\_duration, 72  
 briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
     232  
     ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
     234  
 BriarDurations\_SubDurationsEntry\_DoNotUse,  
     233  
     GetMetadata, 233  
     internal\_default\_instance, 234  
     MergeFrom, 234  
     SuperType, 233  
     ValidateKey, 234  
     ValidateValue, 234  
 briar::BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal,  
     235  
     \_instance, 236  
     ~BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal,  
     235  
     BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal,  
     235  
 briar::BriarDurationsDefaultTypeInternal, 236

\_instance, 237  
~BriarDurationsDefaultTypeInternal, 237  
BriarDurationsDefaultTypeInternal, 237  
briar::BriarDurationsList, 238  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    245  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    245  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
    245  
  \_InternalParse, 241  
  \_InternalSerialize, 241  
  \_class\_data\_, 246  
  ~BriarDurationsList, 240  
add\_durations\_list, 241  
BriarDurationsList, 240, 241  
ByteSizeLong, 241  
Clear, 242  
clear\_durations\_list, 242  
CopyFrom, 242  
default\_instance, 242  
descriptor, 242  
durations\_list, 242  
durations\_list\_size, 243  
GetCachedSize, 243  
GetClassData, 243  
GetDescriptor, 243  
GetMetadata, 243  
GetReflection, 243  
internal\_default\_instance, 243  
IsInitialized, 244  
kDurationsListFieldNumber, 240  
kIndexInFileMessages, 246  
MergeFrom, 244  
mutable\_durations\_list, 244  
New, 244  
operator=, 244  
Swap, 245  
swap, 245  
UnsafeArenaSwap, 245  
briar::BriarDurationsList::\_Internal, 72  
briar::BriarDurationsListDefaultTypeInternal, 246  
  \_instance, 247  
  ~BriarDurationsListDefaultTypeInternal, 247  
  BriarDurationsListDefaultTypeInternal, 247  
briar::BriarErrorMessage, 248  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    255  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    256  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto,  
    256  
  \_InternalParse, 251  
  \_InternalSerialize, 251  
  \_class\_data\_, 256  
  ~BriarErrorMessage, 250  
  BriarErrorMessage, 250, 251  
  ByteSizeLong, 251  
Clear, 251  
clear\_error\_code, 252  
clear\_error\_message, 252  
CopyFrom, 252  
default\_instance, 252  
descriptor, 252  
error\_code, 252  
error\_message, 252  
GetCachedSize, 253  
GetClassData, 253  
GetDescriptor, 253  
GetMetadata, 253  
GetReflection, 253  
internal\_default\_instance, 253  
IsInitialized, 253  
kErrorCodeFieldNumber, 250  
kErrorMessageFieldNumber, 250  
kIndexInFileMessages, 256  
MergeFrom, 254  
mutable\_error\_message, 254  
New, 254  
operator=, 254  
release\_error\_message, 254  
set\_allocated\_error\_message, 254  
set\_error\_code, 255  
set\_error\_message, 255  
Swap, 255  
swap, 256  
UnsafeArenaSwap, 255  
briar::BriarErrorMessage::\_Internal, 72  
briar::BriarErrorMessageDefaultTypeInternal, 257  
  \_instance, 258  
  ~BriarErrorMessageDefaultTypeInternal, 257  
  BriarErrorMessageDefaultTypeInternal, 257  
briar::BriarErrors, 258  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    266  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    266  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eproto,  
    266  
  \_InternalParse, 261  
  \_InternalSerialize, 262  
  \_class\_data\_, 266  
  ~BriarErrors, 261  
  add\_errors, 262  
  BriarErrors, 261  
  ByteSizeLong, 262  
  Clear, 262  
  clear\_errors, 262  
  CopyFrom, 262  
  default\_instance, 263  
  descriptor, 263  
  errors, 263  
  errors\_size, 263  
  GetCachedSize, 263  
  GetClassData, 263

GetDescriptor, 264  
 GetMetadata, 264  
 GetReflection, 264  
 internal\_default\_instance, 264  
 IsInitialized, 264  
 kErrorsFieldNumber, 260  
 kIndexInFileMessages, 267  
 kLengthFieldNumber, 260  
 length, 264  
 MergeFrom, 264  
 mutable\_errors, 265  
 New, 265  
 operator=, 265  
 set\_errors, 265  
 set\_length, 265  
 Swap, 265  
 swap, 266  
 UnsafeArenaSwap, 266  
**briar::BriarErrors::\_Internal**, 72  
**briar::BriarErrorsDefaultTypeInternal**, 267  
 \_instance, 268  
 ~BriarErrorsDefaultTypeInternal, 268  
 BriarErrorsDefaultTypeInternal, 268  
**briar::BriarMatrix**, 269  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 290  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 290  
 ::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto, 291  
 \_InternalParse, 273  
 \_InternalSerialize, 274  
 \_class\_data\_, 291  
 ~BriarMatrix, 273  
 add\_column\_attributes, 274  
 add\_column\_headers, 274  
 add\_column\_headers\_integer, 275  
 add\_column\_sources, 275  
 add\_row\_attributes, 275  
 add\_row\_headers, 276  
 add\_row\_headers\_integer, 276  
 add\_row\_sources, 276, 277  
 add\_rows, 277  
 BriarMatrix, 273  
 ByteSizeLong, 277  
 Clear, 277  
 clear\_column\_attributes, 278  
 clear\_column\_headers, 278  
 clear\_column\_headers\_integer, 278  
 clear\_column\_sources, 278  
 clear\_row\_attributes, 278  
 clear\_row\_headers, 278  
 clear\_row\_headers\_integer, 278  
 clear\_row\_sources, 278  
 clear\_rows, 279  
 column\_attributes, 279  
 column\_attributes\_size, 279  
 column\_headers, 279  
 column\_headers\_integer, 279, 280  
 column\_headers\_size, 279, 280  
 column\_sources, 280  
 column\_sources\_size, 280  
 CopyFrom, 280  
 default\_instance, 281  
 descriptor, 281  
 GetCachedSize, 281  
 GetClassData, 281  
 GetDescriptor, 281  
 GetMetadata, 281  
 GetReflection, 281  
 internal\_default\_instance, 282  
 IsInitialized, 282  
 kColumnAttributesFieldNumber, 272  
 kColumnHeadersFieldNumber, 272  
 kColumnHeadersIntegerFieldNumber, 272  
 kColumnSourcesFieldNumber, 272  
 kIndexInFileMessages, 291  
 kRowAttributesFieldNumber, 272  
 kRowHeadersFieldNumber, 272  
 kRowHeadersIntegerFieldNumber, 272  
 kRowsFieldNumber, 272  
 kRowSourcesFieldNumber, 272  
 MergeFrom, 282  
 mutable\_column\_attributes, 282  
 mutable\_column\_headers, 282  
 mutable\_column\_headers\_integer, 283  
 mutable\_column\_sources, 283  
 mutable\_row\_attributes, 283  
 mutable\_row\_headers, 283  
 mutable\_row\_headers\_integer, 284  
 mutable\_row\_sources, 284  
 mutable\_rows, 284  
 New, 284  
 operator=, 284, 285  
 row\_attributes, 285  
 row\_attributes\_size, 285  
 row\_headers, 285  
 row\_headers\_integer, 285, 286  
 row\_headers\_integer\_size, 286  
 row\_headers\_size, 286  
 row\_sources, 286  
 row\_sources\_size, 286  
 rows, 286, 287  
 rows\_size, 287  
 set\_column\_headers, 287  
 set\_column\_headers\_integer, 288  
 set\_column\_sources, 288  
 set\_row\_headers, 288, 289  
 set\_row\_headers\_integer, 289  
 set\_row\_sources, 289, 290  
 Swap, 290  
 swap, 291  
 UnsafeArenaSwap, 290  
**briar::BriarMatrix::\_Internal**, 73  
**briar::BriarMatrixDefaultTypeInternal**, 292

\_instance, 293  
~BriarMatrixDefaultTypeInternal, 292  
BriarMatrixDefaultTypeInternal, 292  
briar::BriarMedia, 293  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    314  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    314  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
    315  
  \_InternalParse, 299  
  \_InternalSerialize, 299  
  \_class\_data\_, 315  
  ~BriarMedia, 298  
  add\_metadata, 299  
  BriarMedia, 298, 299  
  ByteSizeLong, 299  
  channels, 300  
  Clear, 300  
  clear\_channels, 300  
  clear\_data, 300  
  clear\_datetime, 300  
  clear\_description, 300  
  clear\_frame\_count, 300  
  clear\_frame\_end, 300  
  clear\_frame\_number, 301  
  clear\_frame\_rate, 301  
  clear\_frame\_start, 301  
  clear\_height, 301  
  clear\_iscropped, 301  
  clear\_metadata, 301  
  clear\_segment\_id, 301  
  clear\_segment\_total, 301  
  clear\_serverside\_source, 302  
  clear\_source, 302  
  clear\_source\_type, 302  
  clear\_type, 302  
  clear\_width, 302  
  CopyFrom, 302  
  data, 302  
  DataType, 297  
  DataType\_ARRAYSIZE, 315  
  DataType\_descriptor, 303  
  DataType\_IsValid, 303  
  DataType\_MAX, 315  
  DataType\_MIN, 315  
  DataType\_Name, 303  
  DataType\_Parse, 303  
  datetime, 303  
  default\_instance, 303  
  description, 303  
  descriptor, 304  
  EPS, 316  
  FLOAT32, 316  
  frame\_count, 304  
  frame\_end, 304  
  frame\_number, 304  
  frame\_rate, 304  
  frame\_start, 304  
  GENERIC\_IMAGE, 316  
  GENERIC\_VIDEO, 316  
  GetCachedSize, 304  
  GetClassData, 305  
  GetDescriptor, 305  
  GetMetadata, 305  
  GetReflection, 305  
  GIF, 316  
  H264, 317  
  H265, 317  
  height, 305  
  internal\_default\_instance, 305  
  iscropped, 305  
  IsInitialized, 306  
  JPG, 317  
  kChannelsFieldNumber, 298  
  kDataFieldNumber, 298  
  kDatetimeFieldNumber, 298  
  kDescriptionFieldNumber, 298  
  kFrameCountFieldNumber, 298  
  kFrameEndFieldNumber, 298  
  kFrameNumberFieldNumber, 298  
  kFrameRateFieldNumber, 298  
  kFrameStartFieldNumber, 298  
  kHeightFieldNumber, 298  
  kIndexInFileMessages, 317  
  kIsCroppedFieldNumber, 298  
  kMetadataFieldNumber, 298  
  kSegmentIdFieldNumber, 298  
  kSegmentTotalFieldNumber, 298  
  kServersideSourceFieldNumber, 298  
  kSourceFieldNumber, 298  
  kSourceTypeFieldNumber, 298  
  kTypeFieldNumber, 298  
  kWidthFieldNumber, 298  
  MergeFrom, 306  
  metadata, 306  
  metadata\_size, 306  
  MJPG, 317  
  MONO16, 318  
  MONO8, 318  
  MP4, 318  
  mutable\_data, 306  
  mutable\_datetime, 306  
  mutable\_description, 307  
  mutable\_metadata, 307  
  mutable\_serverside\_source, 307  
  mutable\_source, 307  
  New, 307  
  operator=, 307, 308  
  PNG, 318  
  RAW, 318  
  release\_data, 308  
  release\_datetime, 308  
  release\_description, 308  
  release\_serverside\_source, 308  
  release\_source, 308

RGB16, 319  
 RGB8, 319  
 RGBA16, 319  
 RGBA8, 319  
 segment\_id, 308  
 segment\_total, 309  
 serverside\_source, 309  
 set\_allocated\_data, 309  
 set\_allocated\_datetime, 309  
 set\_allocated\_description, 309  
 set\_allocated\_serverside\_source, 309  
 set\_allocated\_source, 309  
 set\_channels, 310  
 set\_data, 310  
 set\_datetime, 310  
 set\_description, 310, 311  
 set\_frame\_count, 311  
 set\_frame\_end, 311  
 set\_frame\_number, 311  
 set\_frame\_rate, 311  
 set\_frame\_start, 311  
 set\_height, 312  
 set\_iscropped, 312  
 set\_segment\_id, 312  
 set\_segment\_total, 312  
 set\_serverside\_source, 312  
 set\_source, 313  
 set\_source\_type, 313  
 set\_type, 313  
 set\_width, 313  
 source, 313  
 SOURCE\_ONLY, 319  
 source\_type, 314  
 Swap, 314  
 swap, 315  
 TIF, 320  
 type, 314  
 UnsafeArenaSwap, 314  
 URL, 320  
 width, 314  
 briar::BriarMedia::\_Internal, 73  
 briar::BriarMediaDefaultTypeInternal, 320  
   \_instance, 321  
   ~BriarMediaDefaultTypeInternal, 321  
   BriarMediaDefaultTypeInternal, 321  
 briar::BriarPoint2D, 322  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     329  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     329  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
     329  
   \_InternalParse, 325  
   \_InternalSerialize, 325  
   \_class\_data\_, 329  
   ~BriarPoint2D, 324  
   BriarPoint2D, 324, 325  
   ByteSizeLong, 325  
   Clear, 325  
   clear\_x, 326  
   clear\_y, 326  
   CopyFrom, 326  
   default\_instance, 326  
   descriptor, 326  
   GetCachedSize, 326  
   GetClassData, 326  
   GetDescriptor, 327  
   GetMetadata, 327  
   GetReflection, 327  
   internal\_default\_instance, 327  
   IsInitialized, 327  
   kIndexInFileMessages, 330  
   kXFieldNumber, 324  
   kYFieldNumber, 324  
   MergeFrom, 327  
   New, 327  
   operator=, 328  
   set\_x, 328  
   set\_y, 328  
   Swap, 328  
   swap, 329  
   UnsafeArenaSwap, 328  
   x, 328  
   y, 329  
 briar::BriarPoint2D::\_Internal, 73  
 briar::BriarPoint2DDefaultTypeInternal, 330  
   \_instance, 331  
   ~BriarPoint2DDefaultTypeInternal, 331  
   BriarPoint2DDefaultTypeInternal, 331  
 briar::BriarProgress, 332  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     339  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     339  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
     339  
   \_InternalParse, 335  
   \_InternalSerialize, 335  
   \_class\_data\_, 339  
   ~BriarProgress, 334  
   BriarProgress, 334, 335  
   ByteSizeLong, 335  
   Clear, 335  
   clear\_currentstep, 336  
   clear\_totalsteps, 336  
   CopyFrom, 336  
   currentstep, 336  
   default\_instance, 336  
   descriptor, 336  
   GetCachedSize, 336  
   GetClassData, 337  
   GetDescriptor, 337  
   GetMetadata, 337  
   GetReflection, 337  
   internal\_default\_instance, 337  
   IsInitialized, 337

kCurrentStepFieldNumber, 334  
kIndexInFileMessages, 340  
kTotalStepsFieldNumber, 334  
MergeFrom, 337  
New, 338  
operator=, 338  
set\_currentstep, 338  
set\_totalsteps, 338  
Swap, 338  
swap, 339  
totalsteps, 338  
UnsafeArenaSwap, 339  
briar::BriarProgress::\_Internal, 73  
briar::BriarProgressDefaultTypeInternal, 340  
    \_instance, 341  
    ~BriarProgressDefaultTypeInternal, 341  
    BriarProgressDefaultTypeInternal, 341  
briar::BriarRect, 342  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        350  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        350  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
        350  
    \_InternalParse, 345  
    \_InternalSerialize, 345  
    \_class\_data\_, 350  
    ~BriarRect, 344  
    BriarRect, 344, 345  
    ByteSizeLong, 345  
    Clear, 345  
    clear\_height, 346  
    clear\_width, 346  
    clear\_x, 346  
    clear\_y, 346  
    CopyFrom, 346  
    default\_instance, 346  
    descriptor, 346  
    GetCachedSize, 347  
    GetClassData, 347  
    GetDescriptor, 347  
    GetMetadata, 347  
    GetReflection, 347  
    height, 347  
    internal\_default\_instance, 347  
    IsInitialized, 348  
    kHeightFieldNumber, 344  
    kIndexInFileMessages, 350  
    kWidthFieldNumber, 344  
    kXFieldNumber, 344  
    kYFieldNumber, 344  
    MergeFrom, 348  
    New, 348  
    operator=, 348  
    set\_height, 348  
    set\_width, 348  
    set\_x, 349  
    set\_y, 349  
Swap, 349  
swap, 350  
UnsafeArenaSwap, 349  
width, 349  
x, 349  
y, 349  
briar::BriarRect::\_Internal, 73  
briar::BriarRectDefaultTypeInternal, 351  
    \_instance, 352  
    ~BriarRectDefaultTypeInternal, 352  
    BriarRectDefaultTypeInternal, 352  
briar::BriarServiceConfigurationReply, 353  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        364  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        364  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
        365  
    \_InternalParse, 356  
    \_InternalSerialize, 357  
    \_class\_data\_, 365  
    ~BriarServiceConfigurationReply, 356  
add\_port\_list, 357  
base\_port, 357  
BriarServiceConfigurationReply, 356  
ByteSizeLong, 358  
Clear, 358  
clear\_base\_port, 358  
clear\_number\_of\_processes\_per\_port, 358  
clear\_number\_of\_service\_ports, 358  
clear\_number\_of\_threads\_per\_process, 358  
clear\_port\_list, 358  
clear\_reporting\_process\_number, 358  
CopyFrom, 359  
default\_instance, 359  
descriptor, 359  
GetCachedSize, 359  
GetClassData, 359  
GetDescriptor, 359  
GetMetadata, 359  
GetReflection, 360  
internal\_default\_instance, 360  
IsInitialized, 360  
kBasePortFieldNumber, 355  
kIndexInFileMessages, 365  
kNumberOfProcessesPerPortFieldNumber, 355  
kNumberOfServicePortsFieldNumber, 355  
kNumberOfThreadsPerProcessFieldNumber, 355  
kPortListFieldNumber, 355  
kReportingProcessNumberFieldNumber, 355  
MergeFrom, 360  
mutable\_base\_port, 360  
mutable\_port\_list, 360  
New, 361  
number\_of\_processes\_per\_port, 361  
number\_of\_service\_ports, 361  
number\_of\_threads\_per\_process, 361  
operator=, 361

port\_list, 361, 362  
 port\_list\_size, 362  
 release\_base\_port, 362  
 reporting\_process\_number, 362  
 set\_allocated\_base\_port, 362  
 set\_base\_port, 362  
 set\_number\_of\_processes\_per\_port, 363  
 set\_number\_of\_service\_ports, 363  
 set\_number\_of\_threads\_per\_process, 363  
 set\_port\_list, 363, 364  
 set\_reporting\_process\_number, 364  
 Swap, 364  
 swap, 365  
 UnsafeArenaSwap, 364  
**briar::BriarServiceConfigurationReply::Internal**, 73  
**briar::BriarServiceConfigurationReplyDefaultTypeInternal**,  
 366  
 \_instance, 367  
 $\sim$ BriarServiceConfigurationReplyDefaultTypeInternal,  
 366  
**BriarServiceConfigurationReplyDefaultTypeInternal**  
 366  
**briar::BriarServiceConfigurationRequest**, 367  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
 372  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
 372  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
 372  
 \_class\_data\_, 372  
**BriarServiceConfigurationRequest**, 369  
 CopyFrom, 370  
 default\_instance, 370  
 descriptor, 370  
 GetClassData, 370  
 GetDescriptor, 370  
 GetMetadata, 370  
 GetReflection, 371  
 internal\_default\_instance, 371  
 kIndexInFileMessages, 373  
 MergeFrom, 371  
 New, 371  
 operator=, 371  
 Swap, 371  
 swap, 372  
 UnsafeArenaSwap, 372  
**briar::BriarServiceConfigurationRequest::Internal**, 74  
**briar::BriarServiceConfigurationRequestDefaultTypeInternal**,  
 373  
 \_instance, 374  
 $\sim$ BriarServiceConfigurationRequestDefaultTypeInternal,  
 374  
**BriarServiceConfigurationRequestDefaultTypeInternal**  
 374  
**briar::BriarVector**, 375  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
 382  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
 382  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
 382  
 \_InternalParse, 378  
 \_InternalSerialize, 378  
 \_class\_data\_, 383  
 $\sim$ BriarVector, 377  
 add\_data, 378  
 BriarVector, 377, 378  
 ByteSizeLong, 378  
 Clear, 379  
 clear\_data, 379  
 CopyFrom, 379  
 data, 379  
 data\_size, 379  
 default\_instance, 379  
 descriptor, 380  
 GetCachedSize, 380  
 GetClassData, 380  
 GetDescriptor, 380  
 GetMetadata, 380  
 GetReflection, 380  
 internal\_default\_instance, 380  
 IsInitialized, 381  
 kDataFieldNumber, 377  
 kIndexInFileMessages, 383  
 MergeFrom, 381  
 mutable\_data, 381  
 New, 381  
 operator=, 381  
 set\_data, 381  
 Swap, 382  
 swap, 382  
 UnsafeArenaSwap, 382  
**briar::BriarVector::Internal**, 74  
**briar::BriarVectorDefaultTypeInternal**, 383  
 \_instance, 384  
 $\sim$ BriarVectorDefaultTypeInternal, 384  
**BriarVectorDefaultTypeInternal**, 384  
**briar::ClusterConfidence**, 385  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
 391  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
 391  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
 392  
 \_InternalParse, 388  
 \_InternalSerialize, 388  
 \_class\_data\_, 392  
 $\sim$ ClusterConfidence, 387  
 ByteSizeLong, 388  
 Clear, 388  
 clear\_confidences, 388  
 ClusterConfidence, 387, 388  
 confidences, 389  
 CopyFrom, 389  
 default\_instance, 389

descriptor, 389  
GetCachedSize, 389  
GetClassData, 389  
GetDescriptor, 389  
GetMetadata, 390  
GetReflection, 390  
internal\_default\_instance, 390  
IsInitialized, 390  
kConfidencesFieldNumber, 387  
kIndexInFileMessages, 392  
MergeFrom, 390  
New, 390  
operator=, 390, 391  
set\_confidences, 391  
Swap, 391  
swap, 392  
UnsafeArenaSwap, 391  
briar::ClusterConfidence::\_Internal, 74  
briar::ClusterConfidenceDefaultTypeInternal, 393  
\_instance, 394  
~ClusterConfidenceDefaultTypeInternal, 393  
ClusterConfidenceDefaultTypeInternal, 393  
briar::ClusterIds, 394  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    403  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    403  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto,  
    403  
\_InternalParse, 398  
\_InternalSerialize, 398  
\_class\_data\_, 403  
~ClusterIds, 397  
add\_ids, 398  
ByteSizeLong, 399  
Clear, 399  
clear\_ids, 399  
ClusterIds, 397  
CopyFrom, 399  
default\_instance, 399  
descriptor, 399  
GetCachedSize, 399  
GetClassData, 400  
GetDescriptor, 400  
GetMetadata, 400  
GetReflection, 400  
ids, 400  
ids\_size, 400  
internal\_default\_instance, 401  
IsInitialized, 401  
kIdsFieldNumber, 397  
kIndexInFileMessages, 404  
MergeFrom, 401  
mutable\_ids, 401  
New, 401  
operator=, 401, 402  
set\_ids, 402  
Swap, 402  
swap, 403  
UnsafeArenaSwap, 403  
briar::ClusterIds::\_Internal, 74  
briar::ClusterIdsDefaultTypeInternal, 404  
\_instance, 405  
~ClusterIdsDefaultTypeInternal, 405  
ClusterIdsDefaultTypeInternal, 405  
briar::ClusterReply, 406  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    418  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    418  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5fservice\_2eproto,  
    418  
\_InternalParse, 409  
\_InternalSerialize, 410  
\_class\_data\_, 418  
~ClusterReply, 409  
add\_cluster\_confidences, 410  
add\_cluster\_ids, 410  
ByteSizeLong, 410  
Clear, 410  
clear\_cluster\_confidences, 410  
clear\_cluster\_ids, 410  
clear\_durations, 411  
clear\_errors, 411  
clear\_progress, 411  
cluster\_confidences, 411  
cluster\_confidences\_size, 411  
cluster\_ids, 411, 412  
cluster\_ids\_size, 412  
ClusterReply, 409  
CopyFrom, 412  
default\_instance, 412  
descriptor, 412  
durations, 412  
errors, 412  
GetCachedSize, 413  
GetClassData, 413  
GetDescriptor, 413  
GetMetadata, 413  
GetReflection, 413  
has\_durations, 413  
has\_errors, 413  
has\_progress, 414  
internal\_default\_instance, 414  
IsInitialized, 414  
kClusterConfidencesFieldNumber, 408  
kClusterIdsFieldNumber, 408  
kDurationsFieldNumber, 408  
kErrorsFieldNumber, 408  
kIndexInFileMessages, 419  
kProgressFieldNumber, 408  
MergeFrom, 414  
mutable\_cluster\_confidences, 414  
mutable\_cluster\_ids, 414, 415  
mutable\_durations, 415  
mutable\_errors, 415

mutable\_progress, 415  
 New, 415  
 operator=, 415  
 progress, 416  
 release\_durations, 416  
 release\_errors, 416  
 release\_progress, 416  
 set\_allocated\_durations, 416  
 set\_allocated\_errors, 416  
 set\_allocated\_progress, 416  
 Swap, 417  
 swap, 418  
 unsafe\_arena\_release\_durations, 417  
 unsafe\_arena\_release\_errors, 417  
 unsafe\_arena\_release\_progress, 417  
 unsafe\_arena\_set\_allocated\_durations, 417  
 unsafe\_arena\_set\_allocated\_errors, 417  
 unsafe\_arena\_set\_allocated\_progress, 417  
 UnsafeArenaSwap, 418  
**briar::ClusterReply::\_Internal**, 74  
 durations, 74  
 errors, 74  
 progress, 75  
**briar::ClusterReplyDefaultTypeInternal**, 419  
 \_instance, 420  
 $\sim$ ClusterReplyDefaultTypeInternal, 420  
 ClusterReplyDefaultTypeInternal, 420  
**briar::ClusterRequest**, 421  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 429  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 429  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf\_InternalParse, 436  
 \_InternalParse, 424  
 \_InternalSerialize, 424  
 \_class\_data\_, 430  
 $\sim$ ClusterRequest, 423  
 ByteSizeLong, 424  
 Clear, 424  
 clear\_database, 425  
 clear\_durations, 425  
 ClusterRequest, 423, 424  
 CopyFrom, 425  
 database, 425  
 default\_instance, 425  
 descriptor, 425  
 durations, 425  
 GetCachedSize, 426  
 GetClassData, 426  
 GetDescriptor, 426  
 GetMetadata, 426  
 GetReflection, 426  
 has\_database, 426  
 has\_durations, 426  
 internal\_default\_instance, 427  
 IsInitialized, 427  
 kDatabaseFieldNumber, 423  
 kDurationsFieldNumber, 423  
 kIndexInFileMessages, 430  
 MergeFrom, 427  
 mutable\_database, 427  
 mutable\_durations, 427  
 New, 427  
 operator=, 427, 428  
 release\_database, 428  
 release\_durations, 428  
 set\_allocated\_database, 428  
 set\_allocated\_durations, 428  
 Swap, 428  
 swap, 430  
 unsafe\_arena\_release\_database, 428  
 unsafe\_arena\_release\_durations, 429  
 unsafe\_arena\_set\_allocated\_database, 429  
 unsafe\_arena\_set\_allocated\_durations, 429  
 UnsafeArenaSwap, 429  
**briar::ClusterRequest::\_Internal**, 75  
 database, 75  
 durations, 75  
**briar::ClusterRequestDefaultTypeInternal**, 431  
 \_instance, 432  
 $\sim$ ClusterRequestDefaultTypeInternal, 431  
 ClusterRequestDefaultTypeInternal, 431  
**briar::DatabaseCheckpointReply**, 432  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 441  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 442  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 442  
 \_InternalSerialize, 436  
 \_class\_data\_, 442  
 $\sim$ DatabaseCheckpointReply, 435  
 ByteSizeLong, 436  
 Clear, 436  
 clear\_durations, 436  
 clear\_errors, 436  
 clear\_exists, 437  
 CopyFrom, 437  
 DatabaseCheckpointReply, 435  
 default\_instance, 437  
 descriptor, 437  
 durations, 437  
 errors, 437  
 exists, 437  
 GetCachedSize, 438  
 GetClassData, 438  
 GetDescriptor, 438  
 GetMetadata, 438  
 GetReflection, 438  
 has\_durations, 438  
 has\_errors, 438  
 internal\_default\_instance, 439  
 IsInitialized, 439  
 kDurationsFieldNumber, 435

kErrorsFieldNumber, 435  
kExistsFieldNumber, 435  
kIndexInFileMessages, 442  
MergeFrom, 439  
mutable\_durations, 439  
mutable\_errors, 439  
New, 439  
operator=, 439, 440  
release\_durations, 440  
release\_errors, 440  
set\_allocated\_durations, 440  
set\_allocated\_errors, 440  
set\_exists, 440  
Swap, 440  
swap, 442  
unsafe\_arena\_release\_durations, 441  
unsafe\_arena\_release\_errors, 441  
unsafe\_arena\_set\_allocated\_durations, 441  
unsafe\_arena\_set\_allocated\_errors, 441  
UnsafeArenaSwap, 441  
briar::DatabaseCheckpointReply::\_Internal, 76  
    durations, 76  
    errors, 76  
briar::DatabaseCheckpointReplyDefaultTypeInternal,  
    443  
    \_instance, 444  
    ~DatabaseCheckpointReplyDefaultTypeInternal,  
        443  
DatabaseCheckpointReplyDefaultTypeInternal,  
    443  
briar::DatabaseCheckpointRequest, 444  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 455  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 455  
    ::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5fservice\_2eproto, 457  
    \_InternalParse, 449  
    \_InternalSerialize, 449  
    \_class\_data\_, 456  
    ~DatabaseCheckpointRequest, 448  
ByteSizeLong, 449  
Clear, 449  
clear\_database, 449  
clear\_durations, 449  
clear\_errors, 450  
CopyFrom, 450  
database, 450  
DatabaseCheckpointRequest, 448  
default\_instance, 450  
descriptor, 450  
durations, 450  
errors, 450  
GetCachedSize, 451  
GetClassData, 451  
GetDescriptor, 451  
GetMetadata, 451  
GetReflection, 451  
has\_database, 451  
has\_durations, 451  
has\_errors, 452  
internal\_default\_instance, 452  
IsInitialized, 452  
kDatabaseFieldNumber, 448  
kDurationsFieldNumber, 448  
kErrorsFieldNumber, 448  
kIndexInFileMessages, 456  
MergeFrom, 452  
mutable\_database, 452  
mutable\_durations, 452  
mutable\_errors, 452  
New, 453  
operator=, 453  
release\_database, 453  
release\_durations, 453  
release\_errors, 453  
set\_allocated\_database, 453  
set\_allocated\_durations, 454  
set\_allocated\_errors, 454  
Swap, 454  
swap, 456  
unsafe\_arena\_release\_database, 454  
unsafe\_arena\_release\_durations, 454  
unsafe\_arena\_release\_errors, 454  
unsafe\_arena\_set\_allocated\_database, 454  
unsafe\_arena\_set\_allocated\_durations, 455  
unsafe\_arena\_set\_allocated\_errors, 455  
UnsafeArenaSwap, 455  
briar::DatabaseCheckpointRequest::\_Internal, 76  
    database, 76  
    durations, 76  
    errors, 77  
briar::DatabaseCheckpointRequestDefaultTypeInternal,  
    457  
    \_instance, 458  
    ~DatabaseCheckpointRequestDefaultTypeInternal,  
        457  
DatabaseCheckpointRequestDefaultTypeInternal,  
    457  
briar::DatabaseCheckpointSubjectRequest, 458  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        470  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        470  
    ::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5fservice\_2eproto,  
        470  
    \_InternalParse, 462  
    \_InternalSerialize, 462  
    \_class\_data\_, 470  
    ~DatabaseCheckpointSubjectRequest, 461  
ByteSizeLong, 462  
Clear, 462  
clear\_database, 463  
clear\_durations, 463  
clear\_errors, 463  
clear\_subject\_id, 463

CopyFrom, 463  
 database, 463  
 DatabaseCheckpointSubjectRequest, 461, 462  
 default\_instance, 463  
 descriptor, 464  
 durations, 464  
 errors, 464  
 GetCachedSize, 464  
 GetClassData, 464  
 GetDescriptor, 464  
 GetMetadata, 464  
 GetReflection, 465  
 has\_database, 465  
 has\_durations, 465  
 has\_errors, 465  
 internal\_default\_instance, 465  
 IsInitialized, 465  
 kDatabaseFieldNumber, 461  
 kDurationsFieldNumber, 461  
 kErrorsFieldNumber, 461  
 kIndexInFileMessages, 470  
 kSubjectIdFieldNumber, 461  
 MergeFrom, 465  
 mutable\_database, 466  
 mutable\_durations, 466  
 mutable\_errors, 466  
 mutable\_subject\_id, 466  
 New, 466  
 operator=, 466  
 release\_database, 467  
 release\_durations, 467  
 release\_errors, 467  
 release\_subject\_id, 467  
 set\_allocated\_database, 467  
 set\_allocated\_durations, 467  
 set\_allocated\_errors, 467  
 set\_allocated\_subject\_id, 468  
 set\_subject\_id, 468  
 subject\_id, 468  
 Swap, 468  
 swap, 470  
 unsafe\_arena\_release\_database, 468  
 unsafe\_arena\_release\_durations, 469  
 unsafe\_arena\_release\_errors, 469  
 unsafe\_arena\_set\_allocated\_database, 469  
 unsafe\_arena\_set\_allocated\_durations, 469  
 unsafe\_arena\_set\_allocated\_errors, 469  
 UnsafeArenaSwap, 469  
 briar::DatabaseCheckpointSubjectRequest::\_\_Internal,  
     77  
     database, 77  
     durations, 77  
     errors, 77  
 briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal, 471  
     \_\_instance, 472  
 ~DatabaseCheckpointSubjectRequestDefaultTypeInternal, 472  
 DatabaseCheckpointSubjectRequestDefaultTypeInternal, unsafe\_arena\_release\_durations, 481  
     unsafe\_arena\_release\_errors, 482  
     unsafe\_arena\_release\_ids, 482  
 unsafe\_arena\_set\_allocated\_durations, 482  
     unsafe\_arena\_set\_allocated\_errors, 482

unsafe\_arena\_set\_allocated\_ids, 482  
UnsafeArenaSwap, 482  
briar::DatabaseCreateReply::\_Internal, 78  
durations, 78  
errors, 78  
ids, 78  
briar::DatabaseCreateReplyDefaultTypeInternal, 484  
\_instance, 485  
~DatabaseCreateReplyDefaultTypeInternal, 485  
DatabaseCreateReplyDefaultTypeInternal, 485  
briar::DatabaseCreateRequest, 486  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 496  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 496  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprototest, 496  
\_InternalParse, 489  
\_InternalSerialize, 489  
\_class\_data\_, 496  
~DatabaseCreateRequest, 488  
ByteSizeLong, 489  
Clear, 490  
clear\_database, 490  
clear\_durations, 490  
clear\_tmpls, 490  
CopyFrom, 490  
database, 490  
DatabaseCreateRequest, 488, 489  
default\_instance, 490  
descriptor, 491  
durations, 491  
GetCachedSize, 491  
GetClassData, 491  
GetDescriptor, 491  
GetMetadata, 491  
GetReflection, 491  
has\_database, 492  
has\_durations, 492  
has\_tmpls, 492  
internal\_default\_instance, 492  
IsInitialized, 492  
kDatabaseFieldNumber, 488  
kDurationsFieldNumber, 488  
kIndexInFileMessages, 496  
kTmplsFieldNumber, 488  
MergeFrom, 492  
mutable\_database, 492  
mutable\_durations, 493  
mutable\_tmpls, 493  
New, 493  
operator=, 493  
release\_database, 493  
release\_durations, 493  
release\_tmpls, 494  
set\_allocated\_database, 494  
set\_allocated\_durations, 494  
set\_allocated\_tmpls, 494  
Swap, 494  
swap, 496  
tmpls, 494  
unsafe\_arena\_release\_database, 494  
unsafe\_arena\_release\_durations, 495  
unsafe\_arena\_release\_tmpls, 495  
unsafe\_arena\_set\_allocated\_database, 495  
unsafe\_arena\_set\_allocated\_durations, 495  
unsafe\_arena\_set\_allocated\_tmpls, 495  
UnsafeArenaSwap, 495  
briar::DatabaseCreateRequest::\_Internal, 79  
database, 79  
durations, 79  
tmpls, 79  
briar::DatabaseCreateRequestDefaultTypeInternal, 497  
~DatabaseCreateRequestDefaultTypeInternal, 498  
DatabaseCreateRequestDefaultTypeInternal, 498  
briar::DatabaseDeleteReply, 499  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 508  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 508  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprototest, 508  
\_InternalParse, 502  
\_InternalSerialize, 502  
\_class\_data\_, 509  
~DatabaseDeleteReply, 501  
ByteSizeLong, 502  
Clear, 503  
clear\_durations, 503  
clear\_entry\_count, 503  
clear\_errors, 503  
clear\_exists, 503  
CopyFrom, 503  
DatabaseDeleteReply, 501, 502  
default\_instance, 503  
descriptor, 504  
durations, 504  
entry\_count, 504  
errors, 504  
exists, 504  
GetCachedSize, 504  
GetClassData, 504  
GetDescriptor, 505  
GetMetadata, 505  
GetReflection, 505  
has\_durations, 505  
has\_errors, 505  
internal\_default\_instance, 505  
IsInitialized, 505  
kDurationsFieldNumber, 501  
kEntryCountFieldNumber, 501  
kErrorsFieldNumber, 501  
kExistsFieldNumber, 501  
kIndexInFileMessages, 509

MergeFrom, 506  
 mutable\_durations, 506  
 mutable\_errors, 506  
 New, 506  
 operator=, 506  
 release\_durations, 506  
 release\_errors, 507  
 set\_allocated\_durations, 507  
 set\_allocated\_errors, 507  
 set\_entry\_count, 507  
 set\_exists, 507  
 Swap, 507  
 swap, 509  
 unsafe\_arena\_release\_durations, 507  
 unsafe\_arena\_release\_errors, 508  
 unsafe\_arena\_set\_allocated\_durations, 508  
 unsafe\_arena\_set\_allocated\_errors, 508  
 UnsafeArenaSwap, 508  
**briar::DatabaseDeleteReply::\_Internal**, 79  
 durations, 79  
 errors, 80  
**briar::DatabaseDeleteReplyDefaultTypeInternal**, 510  
 \_instance, 511  
 ~DatabaseDeleteReplyDefaultTypeInternal, 510  
**DatabaseDeleteReplyDefaultTypeInternal**, 510  
**briar::DatabaseDeleteRequest**, 511  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 520  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 520  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 520  
 \_InternalParse, 515  
 \_InternalSerialize, 515  
 \_class\_data\_, 521  
 ~DatabaseDeleteRequest, 514  
 ByteSizeLong, 515  
 Clear, 515  
 clear\_database, 515  
 clear\_durations, 515  
 CopyFrom, 516  
 database, 516  
 DatabaseDeleteRequest, 514  
 default\_instance, 516  
 descriptor, 516  
 durations, 516  
 GetCachedSize, 516  
 GetClassData, 516  
 GetDescriptor, 517  
 GetMetadata, 517  
 GetReflection, 517  
 has\_database, 517  
 has\_durations, 517  
 internal\_default\_instance, 517  
 IsInitialized, 517  
 kDatabaseFieldNumber, 514  
 kDurationsFieldNumber, 514  
 kIndexInFileMessages, 521  
 MergeFrom, 518  
 mutable\_database, 518  
 mutable\_durations, 518  
 New, 518  
 operator=, 518  
 release\_database, 518  
 release\_durations, 519  
 set\_allocated\_database, 519  
 set\_allocated\_durations, 519  
 Swap, 519  
 swap, 520  
 unsafe\_arena\_release\_database, 519  
 unsafe\_arena\_release\_durations, 519  
 unsafe\_arena\_set\_allocated\_database, 519  
 unsafe\_arena\_set\_allocated\_durations, 520  
 UnsafeArenaSwap, 520  
**briar::DatabaseDeleteRequest::\_Internal**, 80  
 database, 80  
 durations, 80  
**briar::DatabaseDeleteRequestDefaultTypeInternal**, 521  
 \_instance, 522  
 ~DatabaseDeleteRequestDefaultTypeInternal, 522  
 DatabaseDeleteRequestDefaultTypeInternal, 522  
**briar::DatabaseFinalizeReply**, 523  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 532  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 532  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 532  
 \_InternalParse, 526  
 \_InternalSerialize, 526  
 \_class\_data\_, 532  
 ~DatabaseFinalizeReply, 525  
 ByteSizeLong, 526  
 Clear, 527  
 clear\_durations, 527  
 clear\_errors, 527  
 clear\_exists, 527  
 CopyFrom, 527  
 DatabaseFinalizeReply, 525, 526  
 default\_instance, 527  
 descriptor, 527  
 durations, 528  
 errors, 528  
 exists, 528  
 GetCachedSize, 528  
 GetClassData, 528  
 GetDescriptor, 528  
 GetMetadata, 528  
 GetReflection, 529  
 has\_durations, 529  
 has\_errors, 529  
 internal\_default\_instance, 529  
 IsInitialized, 529  
 kDurationsFieldNumber, 525  
 kErrorsFieldNumber, 525

kExistsFieldNumber, 525  
kIndexInFileMessages, 533  
MergeFrom, 529  
mutable\_durations, 529  
mutable\_errors, 530  
New, 530  
operator=, 530  
release\_durations, 530  
release\_errors, 530  
set\_allocated\_durations, 530  
set\_allocated\_errors, 531  
set\_exists, 531  
Swap, 531  
swap, 532  
unsafe\_arena\_release\_durations, 531  
unsafe\_arena\_release\_errors, 531  
unsafe\_arena\_set\_allocated\_durations, 531  
unsafe\_arena\_set\_allocated\_errors, 531  
UnsafeArenaSwap, 532  
briar::DatabaseFinalizeReply::\_Internal, 81  
    durations, 81  
    errors, 81  
briar::DatabaseFinalizeReplyDefaultTypeInternal, 533  
    \_instance, 534  
    ~DatabaseFinalizeReplyDefaultTypeInternal, 534  
    DatabaseFinalizeReplyDefaultTypeInternal, 534  
briar::DatabaseFinalizeRequest, 535  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 542  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 542  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 542  
        \_InternalParse, 538  
        \_InternalSerialize, 538  
        \_class\_data\_, 543  
    ~DatabaseFinalizeRequest, 537  
    ByteSizeLong, 538  
    Clear, 538  
    clear\_database, 539  
    CopyFrom, 539  
    database, 539  
    DatabaseFinalizeRequest, 537, 538  
    default\_instance, 539  
    descriptor, 539  
    GetCachedSize, 539  
    GetClassData, 539  
    GetDescriptor, 540  
    GetMetadata, 540  
    GetReflection, 540  
    has\_database, 540  
    internal\_default\_instance, 540  
    IsInitialized, 540  
    kDatabaseFieldNumber, 537  
    kIndexInFileMessages, 543  
    MergeFrom, 540  
    mutable\_database, 541  
    New, 541  
    operator=, 541  
    release\_database, 541  
    set\_allocated\_database, 541  
    Swap, 541  
    swap, 542  
    unsafe\_arena\_release\_database, 542  
    unsafe\_arena\_set\_allocated\_database, 542  
    UnsafeArenaSwap, 542  
briar::DatabaseFinalizeRequest::\_Internal, 81  
    database, 81  
briar::DatabaseFinalizeRequestDefaultTypeInternal, 544  
    \_instance, 545  
    ~DatabaseFinalizeRequestDefaultTypeInternal, 544  
    DatabaseFinalizeRequestDefaultTypeInternal, 544  
briar::DatabaseHasEntryReply, 545  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 554  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 554  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 554  
        \_InternalParse, 549  
        \_InternalSerialize, 549  
        \_class\_data\_, 554  
    ~DatabaseHasEntryReply, 548  
    ByteSizeLong, 549  
    Clear, 549  
    clear\_exists, 549  
    clear\_is\_complete, 549  
    clear\_progress, 550  
    CopyFrom, 550  
    DatabaseHasEntryReply, 548  
    default\_instance, 550  
    descriptor, 550  
    exists, 550  
    GetCachedSize, 550  
    GetClassData, 550  
    GetDescriptor, 551  
    GetMetadata, 551  
    GetReflection, 551  
    has\_progress, 551  
    internal\_default\_instance, 551  
    is\_complete, 551  
    IsInitialized, 551  
    kExistsFieldNumber, 548  
    kIndexInFileMessages, 554  
    kIsCompleteFieldNumber, 548  
    kProgressFieldNumber, 548  
    MergeFrom, 552  
    mutable\_progress, 552  
    New, 552  
    operator=, 552  
    progress, 552  
    release\_progress, 552  
    set\_allocated\_progress, 553  
    set\_exists, 553

set\_is\_complete, 553  
 Swap, 553  
 swap, 554  
 unsafe\_arena\_release\_progress, 553  
 unsafe\_arena\_set\_allocated\_progress, 553  
 UnsafeArenaSwap, 553  
 briar::DatabaseHasEntryReply::\_Internal, 82  
 progress, 82  
 briar::DatabaseHasEntryReplyDefaultTypeInternal, 555  
 \_instance, 556  
 ~DatabaseHasEntryReplyDefaultTypeInternal,  
 556  
 DatabaseHasEntryReplyDefaultTypeInternal, 556  
 briar::DatabaseHasEntryRequest, 557  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
 565  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
 565  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot  
 566  
 \_InternalParse, 560  
 \_InternalSerialize, 560  
 \_class\_data\_, 566  
 ~DatabaseHasEntryRequest, 559  
 ByteSizeLong, 560  
 Clear, 561  
 clear\_database, 561  
 clear\_entry\_id, 561  
 CopyFrom, 561  
 database, 561  
 DatabaseHasEntryRequest, 559, 560  
 default\_instance, 561  
 descriptor, 561  
 entry\_id, 562  
 GetCachedSize, 562  
 GetClassData, 562  
 GetDescriptor, 562  
 GetMetadata, 562  
 GetReflection, 562  
 has\_database, 562  
 internal\_default\_instance, 563  
 IsInitialized, 563  
 kDatabaseFieldNumber, 559  
 kEntryIdFieldNumber, 559  
 kIndexInFileMessages, 566  
 MergeFrom, 563  
 mutable\_database, 563  
 mutable\_entry\_id, 563  
 New, 563  
 operator=, 563, 564  
 release\_database, 564  
 release\_entry\_id, 564  
 set\_allocated\_database, 564  
 set\_allocated\_entry\_id, 564  
 set\_entry\_id, 564  
 Swap, 565  
 swap, 566  
 unsafe\_arena\_release\_database, 565  
 unsafe\_arena\_set\_allocated\_database, 565  
 UnsafeArenaSwap, 565  
 briar::DatabaseHasEntryRequest::\_Internal, 82  
 database, 82  
 briar::DatabaseHasEntryRequestDefaultTypeInternal,  
 567  
 \_instance, 568  
 ~DatabaseHasEntryRequestDefaultTypeInternal,  
 567  
 DatabaseHasEntryRequestDefaultTypeInternal,  
 567  
 briar::DatabaseInfoReply, 568  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
 577  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
 578  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot  
 578  
 \_InternalParse, 572  
 \_InternalSerialize, 572  
 \_class\_data\_, 578  
 ~DatabaseInfoReply, 571  
 ByteSizeLong, 572  
 Clear, 572  
 clear\_duration, 572  
 clear\_exists, 572  
 clear\_info, 573  
 CopyFrom, 573  
 DatabaseInfoReply, 571  
 default\_instance, 573  
 descriptor, 573  
 duration, 573  
 exists, 573  
 GetCachedSize, 573  
 GetClassData, 574  
 GetDescriptor, 574  
 GetMetadata, 574  
 GetReflection, 574  
 has\_duration, 574  
 has\_info, 574  
 info, 574  
 internal\_default\_instance, 575  
 IsInitialized, 575  
 kDurationFieldNumber, 571  
 kExistsFieldNumber, 571  
 kIndexInFileMessages, 578  
 kInfoFieldNumber, 571  
 MergeFrom, 575  
 mutable\_duration, 575  
 mutable\_info, 575  
 New, 575  
 operator=, 575, 576  
 release\_duration, 576  
 release\_info, 576  
 set\_allocated\_duration, 576  
 set\_allocated\_info, 576  
 set\_exists, 576  
 Swap, 576

swap, 578  
unsafe\_arena\_release\_duration, 577  
unsafe\_arena\_release\_info, 577  
unsafe\_arena\_set\_allocated\_duration, 577  
unsafe\_arena\_set\_allocated\_info, 577  
UnsafeArenaSwap, 577  
briar::DatabaseInfoReply::\_\_Internal, 82  
duration, 83  
info, 83  
briar::DatabaseInfoReplyDefaultTypeInternal, 579  
\_instance, 580  
~DatabaseInfoReplyDefaultTypeInternal, 579  
DatabaseInfoReplyDefaultTypeInternal, 579  
briar::DatabaseInfoRequest, 580  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
589  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
589  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
589  
\_InternalParse, 584  
\_InternalSerialize, 584  
\_class\_data\_, 590  
~DatabaseInfoRequest, 583  
ByteSizeLong, 584  
Clear, 584  
clear\_database\_name, 584  
clear\_durations, 584  
CopyFrom, 585  
database\_name, 585  
DatabaseInfoRequest, 583  
default\_instance, 585  
descriptor, 585  
durations, 585  
GetCachedSize, 585  
GetClassData, 585  
GetDescriptor, 586  
GetMetadata, 586  
GetReflection, 586  
has\_durations, 586  
internal\_default\_instance, 586  
IsInitialized, 586  
kDatabaseNameFieldNumber, 583  
kDurationsFieldNumber, 583  
kIndexInFileMessages, 590  
MergeFrom, 586  
mutable\_database\_name, 587  
mutable\_durations, 587  
New, 587  
operator=, 587  
release\_database\_name, 587  
release\_durations, 587  
set\_allocated\_database\_name, 588  
set\_allocated\_durations, 588  
set\_database\_name, 588  
Swap, 588  
swap, 589  
unsafe\_arena\_release\_durations, 588  
unsafe\_arena\_set\_allocated\_durations, 589  
UnsafeArenaSwap, 589  
briar::DatabaseInfoRequest::\_\_Internal, 83  
durations, 83  
briar::DatabaseInfoRequestDefaultTypeInternal, 590  
\_instance, 591  
~DatabaseInfoRequestDefaultTypeInternal, 591  
DatabaseInfoRequestDefaultTypeInternal, 591  
briar::DatabaseInsertReply, 592  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
602  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
602  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
603  
\_InternalParse, 595  
\_InternalSerialize, 596  
\_class\_data\_, 603  
ByteSizeLong, 596  
Clear, 596  
clear\_durations, 596  
clear\_errors, 596  
clear\_exists, 596  
clear\_ids, 596  
CopyFrom, 597  
DatabaseInsertReply, 594, 595  
default\_instance, 597  
descriptor, 597  
durations, 597  
errors, 597  
exists, 597  
GetCachedSize, 597  
GetClassData, 598  
GetDescriptor, 598  
GetMetadata, 598  
GetReflection, 598  
has\_durations, 598  
has\_errors, 598  
has\_ids, 598  
ids, 599  
internal\_default\_instance, 599  
IsInitialized, 599  
kDurationsFieldNumber, 594  
kErrorsFieldNumber, 594  
kExistsFieldNumber, 594  
kIdsFieldNumber, 594  
kIndexInFileMessages, 603  
MergeFrom, 599  
mutable\_durations, 599  
mutable\_errors, 599  
mutable\_ids, 599  
New, 600  
operator=, 600  
release\_durations, 600  
release\_errors, 600  
release\_ids, 600  
set\_allocated\_durations, 600

set\_allocated\_errors, 601  
 set\_allocated\_ids, 601  
 set\_exists, 601  
 Swap, 601  
 swap, 603  
 unsafe\_arena\_release\_durations, 601  
 unsafe\_arena\_release\_errors, 601  
 unsafe\_arena\_release\_ids, 601  
 unsafe\_arena\_set\_allocated\_durations, 602  
 unsafe\_arena\_set\_allocated\_errors, 602  
 unsafe\_arena\_set\_allocated\_ids, 602  
 UnsafeArenaSwap, 602  
**briar::DatabaseInsertReply::Internal**, 83  
 durations, 84  
 errors, 84  
 ids, 84  
**briar::DatabaseInsertReplyDefaultTypeInternal**, 604  
 \_instance, 605  
 $\sim$ **DatabaseInsertReplyDefaultTypeInternal**, 604  
**DatabaseInsertReplyDefaultTypeInternal**, 604  
**briar::DatabaseInsertRequest**, 605  
 $::$ **PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper**, 617  
 $::$ **PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata**, 617  
 $::$ **TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto**, 617  
 \_InternalParse, 609  
 \_InternalSerialize, 609  
 \_class\_data\_, 617  
 $\sim$ **DatabaseInsertRequest**, 608  
 ByteSizeLong, 609  
 Clear, 609  
 clear\_database, 610  
 clear\_durations, 610  
 clear\_ids, 610  
 clear\_tmpls, 610  
 CopyFrom, 610  
 database, 610  
**DatabaseInsertRequest**, 608, 609  
 default\_instance, 610  
 descriptor, 611  
 durations, 611  
 GetCachedSize, 611  
 GetClassData, 611  
 GetDescriptor, 611  
 GetMetadata, 611  
 GetReflection, 611  
 has\_database, 612  
 has\_durations, 612  
 has\_ids, 612  
 has\_tmpls, 612  
 ids, 612  
 internal\_default\_instance, 612  
 IsInitialized, 612  
 kDatabaseFieldNumber, 608  
 kDurationsFieldNumber, 608  
 kIdsFieldNumber, 608  
 kIndexInFileMessages, 617  
 kTmplsFieldNumber, 608  
 MergeFrom, 613  
 mutable\_database, 613  
 mutable\_durations, 613  
 mutable\_ids, 613  
 mutable\_tmpls, 613  
 New, 613  
 operator=, 613, 614  
 release\_database, 614  
 release\_durations, 614  
 release\_ids, 614  
 release\_tmpls, 614  
 set\_allocated\_database, 614  
 set\_allocated\_durations, 614  
 set\_allocated\_ids, 615  
 set\_allocated\_tmpls, 615  
 Swap, 615  
 swap, 617  
 tmpls, 615  
 unsafe\_arena\_release\_database, 615  
 unsafe\_arena\_release\_durations, 615  
 unsafe\_arena\_release\_ids, 615  
 unsafe\_arena\_release\_tmpls, 616  
 unsafe\_arena\_set\_allocated\_database, 616  
 unsafe\_arena\_set\_allocated\_durations, 616  
 unsafe\_arena\_set\_allocated\_ids, 616  
 unsafe\_arena\_set\_allocated\_tmpls, 616  
 UnsafeArenaSwap, 616  
**briar::DatabaseInsertRequest::Internal**, 84  
 database, 84  
 durations, 84  
 ids, 85  
 tmpls, 85  
**briar::DatabaseInsertRequestDefaultTypeInternal**, 618  
 \_instance, 619  
 $\sim$ **DatabaseInsertRequestDefaultTypeInternal**, 619  
**DatabaseInsertRequestDefaultTypeInternal**, 619  
**briar::DatabaseListentriesReply**, 620  
 $::$ **PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper**, 631  
 $::$ **PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata**, 631  
 $::$ **TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto**, 632  
 \_InternalParse, 623  
 \_InternalSerialize, 624  
 \_class\_data\_, 632  
 $\sim$ **DatabaseListentriesReply**, 623  
 add\_entry\_attributes, 624  
 add\_entry\_ids, 624  
 ByteSizeLong, 625  
 Clear, 625  
 clear\_durations, 625  
 clear\_entry\_attributes, 625  
 clear\_entry\_ids, 625  
 clear\_exists, 625  
 CopyFrom, 625

DatabaseListentriesReply, 622, 623  
default\_instance, 626  
descriptor, 626  
durations, 626  
entry\_attributes, 626  
entry\_attributes\_size, 626  
entry\_ids, 626, 627  
entry\_ids\_size, 627  
exists, 627  
GetCachedSize, 627  
GetClassData, 627  
GetDescriptor, 627  
GetMetadata, 627  
GetReflection, 628  
has\_durations, 628  
internal\_default\_instance, 628  
IsInitialized, 628  
kDurationsFieldNumber, 622  
kEntryAttributesFieldNumber, 622  
kEntryIdsFieldNumber, 622  
kExistsFieldNumber, 622  
kIndexInFileMessages, 632  
MergeFrom, 628  
mutable\_durations, 628  
mutable\_entry\_attributes, 628, 629  
mutable\_entry\_ids, 629  
New, 629  
operator=, 629  
release\_durations, 629  
set\_allocated\_durations, 630  
set\_entry\_ids, 630  
set\_exists, 630  
Swap, 631  
swap, 632  
unsafe\_arena\_release\_durations, 631  
unsafe\_arena\_set\_allocated\_durations, 631  
UnsafeArenaSwap, 631  
briar::DatabaseListentriesReply::\_Internal, 85  
durations, 85  
briar::DatabaseListentriesReplyDefaultTypeInternal,  
    633  
    \_instance, 634  
    ~DatabaseListentriesReplyDefaultTypeInternal,  
        633  
    DatabaseListentriesReplyDefaultTypeInternal, 633  
briar::DatabaseListEntriesRequest, 634  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        643  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        643  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotot  
        643  
    \_InternalParse, 638  
    \_InternalSerialize, 638  
    \_class\_data\_, 644  
    ~DatabaseListEntriesRequest, 637  
ByteSizeLong, 638  
Clear, 638  
clear\_database\_name, 638  
clear\_durations, 638  
CopyFrom, 639  
database\_name, 639  
DatabaseListEntriesRequest, 637  
default\_instance, 639  
descriptor, 639  
durations, 639  
GetCachedSize, 639  
GetClassData, 639  
GetDescriptor, 640  
GetMetadata, 640  
GetReflection, 640  
has\_durations, 640  
internal\_default\_instance, 640  
IsInitialized, 640  
kDatabaseNameFieldNumber, 637  
kDurationsFieldNumber, 637  
kIndexInFileMessages, 644  
MergeFrom, 640  
mutable\_database\_name, 641  
mutable\_durations, 641  
New, 641  
operator=, 641  
release\_database\_name, 641  
release\_durations, 641  
set\_allocated\_database\_name, 642  
set\_allocated\_durations, 642  
set\_database\_name, 642  
Swap, 642  
swap, 643  
unsafe\_arena\_release\_durations, 642  
unsafe\_arena\_set\_allocated\_durations, 643  
UnsafeArenaSwap, 643  
briar::DatabaseListEntriesRequest::\_Internal, 86  
durations, 86  
briar::DatabaseListEntriesRequestDefaultTypeInternal,  
    644  
    \_instance, 645  
    ~DatabaseListEntriesRequestDefaultTypeInternal,  
        645  
    DatabaseListEntriesRequestDefaultTypeInternal,  
        645  
briar::DatabaseListReply, 646  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        654  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        654  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotot  
        654  
    \_InternalParse, 649  
    \_InternalSerialize, 649  
    \_class\_data\_, 655  
    ~DatabaseListReply, 648  
add\_database\_names, 649, 650  
ByteSizeLong, 650  
Clear, 650  
clear\_database\_names, 650

CopyFrom, 650  
 database\_names, 651  
 database\_names\_size, 651  
 DatabaseListReply, 648, 649  
 default\_instance, 651  
 descriptor, 651  
 GetCachedSize, 651  
 GetClassData, 651  
 GetDescriptor, 652  
 GetMetadata, 652  
 GetReflection, 652  
 internal\_default\_instance, 652  
 IsInitialized, 652  
 kDatabaseNamesFieldNumber, 648  
 kIndexInFileMessages, 655  
 MergeFrom, 652  
 mutable\_database\_names, 652, 653  
 New, 653  
 operator=, 653  
 set\_database\_names, 653, 654  
 Swap, 654  
 swap, 655  
 UnsafeArenaSwap, 654  
 briar::DatabaseListReply::\_Internal, 86  
 briar::DatabaseListReplyDefaultTypeInternal, 656  
   \_instance, 657  
   ~DatabaseListReplyDefaultTypeInternal, 656  
   DatabaseListReplyDefaultTypeInternal, 656  
 briar::DatabaseListRequest, 657  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     664  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     665  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
     665  
   \_InternalParse, 660  
   \_InternalSerialize, 661  
   \_class\_data\_, 665  
   ~DatabaseListRequest, 660  
   ByteSizeLong, 661  
   Clear, 661  
   clear\_regex, 661  
   CopyFrom, 661  
   DatabaseListRequest, 660  
   default\_instance, 661  
   descriptor, 661  
   GetCachedSize, 662  
   GetClassData, 662  
   GetDescriptor, 662  
   GetMetadata, 662  
   GetReflection, 662  
   internal\_default\_instance, 662  
   IsInitialized, 662  
   kIndexInFileMessages, 665  
   kRegexFieldNumber, 659  
   MergeFrom, 663  
   mutable\_regex, 663  
   New, 663  
   operator=, 663  
   regex, 663  
   release\_regex, 663  
   set\_allocated\_regex, 664  
   set\_regex, 664  
   Swap, 664  
   swap, 665  
   UnsafeArenaSwap, 664  
 briar::DatabaseListRequest::\_Internal, 86  
 briar::DatabaseListRequestDefaultTypeInternal, 666  
   \_instance, 667  
   ~DatabaseListRequestDefaultTypeInternal, 666  
   DatabaseListRequestDefaultTypeInternal, 666  
 briar::DatabaseLoadReply, 667  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     679  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     679  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
     679  
   \_InternalParse, 671  
   \_InternalSerialize, 671  
   \_class\_data\_, 680  
   ~DatabaseLoadReply, 670  
   ByteSizeLong, 671  
   Clear, 671  
   clear\_durations, 672  
   clear\_errors, 672  
   clear\_exists, 672  
   clear\_ids, 672  
   clear\_records, 672  
   CopyFrom, 672  
   DatabaseLoadReply, 670, 671  
   default\_instance, 672  
   descriptor, 673  
   durations, 673  
   errors, 673  
   exists, 673  
   GetCachedSize, 673  
   GetClassData, 673  
   GetDescriptor, 673  
   GetMetadata, 674  
   GetReflection, 674  
   has\_durations, 674  
   has\_errors, 674  
   has\_ids, 674  
   has\_records, 674  
   ids, 674  
   internal\_default\_instance, 675  
   IsInitialized, 675  
   kDurationsFieldNumber, 670  
   kErrorsFieldNumber, 670  
   kExistsFieldNumber, 670  
   kIdsFieldNumber, 670  
   kIndexInFileMessages, 680  
   kRecordsFieldNumber, 670  
   MergeFrom, 675  
   mutable\_durations, 675

mutable\_errors, 675  
mutable\_ids, 675  
mutable\_records, 675  
New, 676  
operator=, 676  
records, 676  
release\_durations, 676  
release\_errors, 676  
release\_ids, 676  
release\_records, 677  
set\_allocated\_durations, 677  
set\_allocated\_errors, 677  
set\_allocated\_ids, 677  
set\_allocated\_records, 677  
set\_exists, 677  
Swap, 677  
swap, 679  
unsafe\_arena\_release\_durations, 678  
unsafe\_arena\_release\_errors, 678  
unsafe\_arena\_release\_ids, 678  
unsafe\_arena\_release\_records, 678  
unsafe\_arena\_set\_allocated\_durations, 678  
unsafe\_arena\_set\_allocated\_errors, 678  
unsafe\_arena\_set\_allocated\_ids, 678  
unsafe\_arena\_set\_allocated\_records, 679  
UnsafeArenaSwap, 679  
briar::DatabaseLoadReply::\_Internal, 86  
durations, 86  
errors, 87  
ids, 87  
records, 87  
briar::DatabaseLoadReplyDefaultTypeInternal, 680  
\_instance, 681  
~DatabaseLoadReplyDefaultTypeInternal, 681  
DatabaseLoadReplyDefaultTypeInternal, 681  
briar::DatabaseLoadRequest, 682  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 690  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 690  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 690  
\_InternalParse, 685  
\_InternalSerialize, 685  
\_class\_data\_, 691  
~DatabaseLoadRequest, 684  
ByteSizeLong, 685  
Clear, 685  
clear\_database, 686  
clear\_durations, 686  
CopyFrom, 686  
database, 686  
DatabaseLoadRequest, 684, 685  
default\_instance, 686  
descriptor, 686  
durations, 686  
GetCachedSize, 687  
GetClassData, 687  
GetDescriptor, 687  
GetMetadata, 687  
GetReflection, 687  
has\_database, 687  
has\_durations, 687  
internal\_default\_instance, 688  
IsInitialized, 688  
kDatabaseFieldNumber, 684  
kDurationsFieldNumber, 684  
kIndexInFileMessages, 691  
MergeFrom, 688  
mutable\_database, 688  
mutable\_durations, 688  
New, 688  
operator=, 688, 689  
release\_database, 689  
release\_durations, 689  
set\_allocated\_database, 689  
set\_allocated\_durations, 689  
Swap, 689  
swap, 691  
unsafe\_arena\_release\_database, 689  
unsafe\_arena\_release\_durations, 690  
unsafe\_arena\_set\_allocated\_database, 690  
unsafe\_arena\_set\_allocated\_durations, 690  
UnsafeArenaSwap, 690  
briar::DatabaseLoadRequest::\_Internal, 87  
database, 87  
durations, 87  
briar::DatabaseLoadRequestDefaultTypeInternal, 692  
\_instance, 693  
~DatabaseLoadRequestDefaultTypeInternal, 692  
DatabaseLoadRequestDefaultTypeInternal, 692  
briar::DatabaseMergeReply, 693  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 702  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 702  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 703  
\_InternalParse, 697  
\_InternalSerialize, 697  
\_class\_data\_, 703  
~DatabaseMergeReply, 696  
add\_exists, 697  
ByteSizeLong, 697  
Clear, 697  
clear\_durations, 697  
clear\_entry\_count, 698  
clear\_exists, 698  
CopyFrom, 698  
DatabaseMergeReply, 696  
default\_instance, 698  
descriptor, 698  
durations, 698  
entry\_count, 698  
exists, 699  
exists\_size, 699

GetCachedSize, 699  
 GetClassData, 699  
 GetDescriptor, 699  
 GetMetadata, 699  
 GetReflection, 700  
 has\_durations, 700  
 internal\_default\_instance, 700  
 IsInitialized, 700  
 kDurationsFieldNumber, 696  
 kEntryCountFieldNumber, 696  
 kExistsFieldNumber, 696  
 kIndexInFileMessages, 703  
 MergeFrom, 700  
 mutable\_durations, 700  
 mutable\_exists, 700  
 New, 701  
 operator=, 701  
 release\_durations, 701  
 set\_allocated\_durations, 701  
 set\_entry\_count, 701  
 set\_exists, 701  
 Swap, 702  
 swap, 703  
 unsafe\_arena\_release\_durations, 702  
 unsafe\_arena\_set\_allocated\_durations, 702  
 UnsafeArenaSwap, 702  
 briar::DatabaseMergeReply::\_Internal, 88  
 durations, 88  
 briar::DatabaseMergeReplyDefaultTypeInternal, 704  
 \_instance, 705  
 ~DatabaseMergeReplyDefaultTypeInternal, 704  
 DatabaseMergeReplyDefaultTypeInternal, 704  
 briar::DatabaseMergeRequest, 705  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 715  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 715  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot, 715  
 \_InternalParse, 709  
 \_InternalSerialize, 709  
 \_class\_data\_, 716  
 ~DatabaseMergeRequest, 708  
 add\_database\_list, 709  
 ByteSizeLong, 709  
 Clear, 709  
 clear\_database\_list, 709  
 clear\_durations, 710  
 clear\_output\_database, 710  
 CopyFrom, 710  
 database\_list, 710  
 database\_list\_size, 710  
 DatabaseMergeRequest, 708  
 default\_instance, 710  
 descriptor, 711  
 durations, 711  
 GetCachedSize, 711  
 GetClassData, 711  
 GetDescriptor, 711  
 GetMetadata, 711  
 GetReflection, 711  
 has\_durations, 712  
 has\_output\_database, 712  
 internal\_default\_instance, 712  
 IsInitialized, 712  
 kDatabaseListFieldNumber, 708  
 kDurationsFieldNumber, 708  
 kIndexInFileMessages, 716  
 kOutputDatabaseFieldNumber, 708  
 MergeFrom, 712  
 mutable\_database\_list, 712  
 mutable\_durations, 713  
 mutable\_output\_database, 713  
 New, 713  
 operator=, 713  
 output\_database, 713  
 release\_durations, 713  
 release\_output\_database, 714  
 set\_allocated\_durations, 714  
 set\_allocated\_output\_database, 714  
 Swap, 714  
 swap, 715  
 unsafe\_arena\_release\_durations, 714  
 unsafe\_arena\_release\_output\_database, 714  
 unsafe\_arena\_set\_allocated\_durations, 714  
 unsafe\_arena\_set\_allocated\_output\_database, 715  
 UnsafeArenaSwap, 715  
 briar::DatabaseMergeRequest::\_Internal, 88  
 durations, 88  
 output\_database, 88  
 briar::DatabaseMergeRequestDefaultTypeInternal, 716  
 \_instance, 717  
 ~DatabaseMergeRequestDefaultTypeInternal, 717  
 DatabaseMergeRequestDefaultTypeInternal, 717  
 briar::DatabaseMoveEntryReply, 718  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 726  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 726  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot, 726  
 \_InternalParse, 721  
 \_InternalSerialize, 721  
 \_class\_data\_, 726  
 ~DatabaseMoveEntryReply, 720  
 ByteSizeLong, 721  
 Clear, 721  
 clear\_progress, 722  
 clear\_success, 722  
 CopyFrom, 722  
 DatabaseMoveEntryReply, 720, 721  
 default\_instance, 722  
 descriptor, 722  
 GetCachedSize, 722  
 GetClassData, 722

GetDescriptor, 723  
GetMetadata, 723  
GetReflection, 723  
has\_progress, 723  
internal\_default\_instance, 723  
IsInitialized, 723  
kIndexInFileMessages, 726  
kProgressFieldNumber, 720  
kSuccessFieldNumber, 720  
MergeFrom, 723  
mutable\_progress, 724  
New, 724  
operator=, 724  
progress, 724  
release\_progress, 724  
set\_allocated\_progress, 724  
set\_success, 725  
success, 725  
Swap, 725  
swap, 726  
unsafe\_arena\_release\_progress, 725  
unsafe\_arena\_set\_allocated\_progress, 725  
UnsafeArenaSwap, 725  
briar::DatabaseMoveEntryReply::\_\_Internal, 89  
progress, 89  
briar::DatabaseMoveEntryReplyDefaultTypeInternal,  
    727  
    \_instance, 728  
~DatabaseMoveEntryReplyDefaultTypeInternal,  
    728  
DatabaseMoveEntryReplyDefaultTypeInternal, 728  
briar::DatabaseMoveEntryRequest, 729  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        739  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        739  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
        739  
    \_InternalParse, 732  
    \_InternalSerialize, 733  
    \_class\_data\_, 740  
~DatabaseMoveEntryRequest, 732  
ByteSizeLong, 733  
Clear, 733  
clear\_entry\_id, 733  
clear\_from\_database, 733  
clear\_should\_copy, 733  
clear\_to\_database, 733  
CopyFrom, 734  
DatabaseMoveEntryRequest, 731, 732  
default\_instance, 734  
descriptor, 734  
entry\_id, 734  
from\_database, 734  
GetCachedSize, 734  
GetClassData, 734  
GetDescriptor, 735  
GetMetadata, 735  
GetReflection, 735  
has\_from\_database, 735  
has\_to\_database, 735  
internal\_default\_instance, 735  
IsInitialized, 735  
kEntryIdFieldNumber, 731  
kFromDatabaseFieldNumber, 731  
kIndexInFileMessages, 740  
kShouldCopyFieldNumber, 731  
kToDatabaseFieldNumber, 731  
MergeFrom, 736  
mutable\_entry\_id, 736  
mutable\_from\_database, 736  
mutable\_to\_database, 736  
New, 736  
operator=, 736  
release\_entry\_id, 737  
release\_from\_database, 737  
release\_to\_database, 737  
set\_allocated\_entry\_id, 737  
set\_allocated\_from\_database, 737  
set\_allocated\_to\_database, 737  
set\_entry\_id, 737, 738  
set\_should\_copy, 738  
should\_copy, 738  
Swap, 738  
swap, 740  
to\_database, 738  
unsafe\_arena\_release\_from\_database, 738  
unsafe\_arena\_release\_to\_database, 738  
unsafe\_arena\_set\_allocated\_from\_database, 739  
unsafe\_arena\_set\_allocated\_to\_database, 739  
UnsafeArenaSwap, 739  
    briar::DatabaseMoveEntryRequest::\_\_Internal, 89  
    from\_database, 89  
    to\_database, 89  
~DatabaseMoveEntryRequestDefaultTypeInternal,  
    741  
    \_instance, 742  
~DatabaseMoveEntryRequestDefaultTypeInternal,  
    741  
DatabaseMoveEntryRequestDefaultTypeInternal,  
    741  
briar::DatabaseRemoveTmplsReply, 742  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        751  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        751  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
        751  
    \_InternalParse, 746  
    \_InternalSerialize, 746  
    \_class\_data\_, 752  
~DatabaseRemoveTmplsReply, 745  
ByteSizeLong, 746  
Clear, 746  
clear\_durations, 746  
clear\_errors, 746

CopyFrom, 747  
 DatabaseRemoveTmplsReply, 745  
 default\_instance, 747  
 descriptor, 747  
 durations, 747  
 errors, 747  
 GetCachedSize, 747  
 GetClassData, 747  
 GetDescriptor, 748  
 GetMetadata, 748  
 GetReflection, 748  
 has\_durations, 748  
 has\_errors, 748  
 internal\_default\_instance, 748  
 IsInitialized, 748  
 kDurationsFieldNumber, 745  
 kErrorsFieldNumber, 745  
 kIndexInFileMessages, 752  
 MergeFrom, 749  
 mutable\_durations, 749  
 mutable\_errors, 749  
 New, 749  
 operator=, 749  
 release\_durations, 749  
 release\_errors, 750  
 set\_allocated\_durations, 750  
 set\_allocated\_errors, 750  
 Swap, 750  
 swap, 751  
 unsafe\_arena\_release\_durations, 750  
 unsafe\_arena\_release\_errors, 750  
 unsafe\_arena\_set\_allocated\_durations, 750  
 unsafe\_arena\_set\_allocated\_errors, 751  
 UnsafeArenaSwap, 751  
 briar::DatabaseRemoveTmplsReply::\_Internal, 90  
     durations, 90  
     errors, 90  
 briar::DatabaseRemoveTmplsReplyDefaultTypeInternal,  
     752  
     \_instance, 753  
 ~DatabaseRemoveTmplsReplyDefaultTypeInternal,  
     753  
 DatabaseRemoveTmplsReplyDefaultTypeInternal,  
     753  
 briar::DatabaseRemoveTmplsRequest, 754  
     ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
         764  
     ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
         764  
     ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
         764  
     \_InternalParse, 757  
     \_InternalSerialize, 757  
     \_class\_data\_, 764  
 ~DatabaseRemoveTmplsRequest, 756  
 ByteSizeLong, 757  
 Clear, 758  
 clear\_database, 758  
     clear\_durations, 758  
     clear\_ids, 758  
     CopyFrom, 758  
     database, 758  
 DatabaseRemoveTmplsRequest, 756, 757  
     default\_instance, 758  
     descriptor, 759  
     durations, 759  
     GetCachedSize, 759  
     GetClassData, 759  
     GetDescriptor, 759  
     GetMetadata, 759  
     GetReflection, 759  
     has\_database, 760  
     has\_durations, 760  
     has\_ids, 760  
     ids, 760  
     internal\_default\_instance, 760  
     IsInitialized, 760  
     kDatabaseFieldNumber, 756  
     kDurationsFieldNumber, 756  
     kIdsFieldNumber, 756  
     kIndexInFileMessages, 764  
     MergeFrom, 760  
     mutable\_database, 761  
     mutable\_durations, 761  
     mutable\_ids, 761  
     New, 761  
     operator=, 761  
     release\_database, 761  
     release\_durations, 762  
     release\_ids, 762  
     set\_allocated\_database, 762  
     set\_allocated\_durations, 762  
     set\_allocated\_ids, 762  
     Swap, 762  
     swap, 764  
     unsafe\_arena\_release\_database, 762  
     unsafe\_arena\_release\_durations, 763  
     unsafe\_arena\_release\_ids, 763  
     unsafe\_arena\_set\_allocated\_database, 763  
     unsafe\_arena\_set\_allocated\_durations, 763  
     unsafe\_arena\_set\_allocated\_ids, 763  
     UnsafeArenaSwap, 763  
 briar::DatabaseRemoveTmplsRequest::\_Internal, 90  
     database, 91  
     durations, 91  
 briar::DatabaseRemoveTmplsRequestDefaultTypeInternal,  
     766  
     \_instance, 766  
 ~DatabaseRemoveTmplsRequestDefaultTypeInternal,  
     766  
 DatabaseRemoveTmplsRequestDefaultTypeInternal,  
     766  
 briar::DatabaseRenameReply, 767  
     ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
         776

::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
776  
787  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
776  
787  
\_InternalParse, 770  
\_InternalSerialize, 770  
\_class\_data\_, 776  
~DatabaseRenameReply, 769  
ByteSizeLong, 770  
Clear, 771  
clear\_durations, 771  
clear\_errors, 771  
clear\_exists, 771  
CopyFrom, 771  
DatabaseRenameReply, 769, 770  
default\_instance, 771  
descriptor, 771  
durations, 772  
errors, 772  
exists, 772  
GetCachedSize, 772  
GetClassData, 772  
GetDescriptor, 772  
GetMetadata, 772  
GetReflection, 773  
has\_durations, 773  
has\_errors, 773  
internal\_default\_instance, 773  
IsInitialized, 773  
kDurationsFieldNumber, 769  
kErrorsFieldNumber, 769  
kExistsFieldNumber, 769  
kIndexInFileMessages, 777  
MergeFrom, 773  
mutable\_durations, 773  
mutable\_errors, 774  
New, 774  
operator=, 774  
release\_durations, 774  
release\_errors, 774  
set\_allocated\_durations, 774  
set\_allocated\_errors, 775  
set\_exists, 775  
Swap, 775  
swap, 776  
unsafe\_arena\_release\_durations, 775  
unsafe\_arena\_release\_errors, 775  
unsafe\_arena\_set\_allocated\_durations, 775  
unsafe\_arena\_set\_allocated\_errors, 775  
UnsafeArenaSwap, 776  
briar::DatabaseRenameReply::\_Internal, 91  
durations, 91  
errors, 91  
briar::DatabaseRenameReplyDefaultTypeInternal, 777  
\_instance, 778  
~DatabaseRenameReplyDefaultTypeInternal, 778  
DatabaseRenameReplyDefaultTypeInternal, 778  
briar::DatabaseRenameRequest, 779  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
788  
\_InternalParse, 782  
\_InternalSerialize, 782  
\_class\_data\_, 788  
~DatabaseRenameRequest, 781  
ByteSizeLong, 782  
Clear, 782  
clear\_database, 783  
clear\_database\_new, 783  
CopyFrom, 783  
database, 783  
database\_new, 783  
DatabaseRenameRequest, 781, 782  
default\_instance, 783  
descriptor, 783  
GetCachedSize, 784  
GetClassData, 784  
GetDescriptor, 784  
GetMetadata, 784  
GetReflection, 784  
has\_database, 784  
has\_database\_new, 784  
internal\_default\_instance, 785  
IsInitialized, 785  
kDatabaseFieldNumber, 781  
kDatabaseNewFieldNumber, 781  
kIndexInFileMessages, 788  
MergeFrom, 785  
mutable\_database, 785  
mutable\_database\_new, 785  
New, 785  
operator=, 785, 786  
release\_database, 786  
release\_database\_new, 786  
set\_allocated\_database, 786  
set\_allocated\_database\_new, 786  
Swap, 786  
swap, 788  
unsafe\_arena\_release\_database, 786  
unsafe\_arena\_release\_database\_new, 787  
unsafe\_arena\_set\_allocated\_database, 787  
unsafe\_arena\_set\_allocated\_database\_new, 787  
UnsafeArenaSwap, 787  
briar::DatabaseRenameRequest::\_Internal, 92  
database, 92  
database\_new, 92  
briar::DatabaseRenameRequestDefaultTypeInternal,  
789  
\_instance, 790  
~DatabaseRenameRequestDefaultTypeInternal,  
789  
DatabaseRenameRequestDefaultTypeInternal,  
789

briar::DatabaseRetrieveReply, 790  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 802  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 802  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 802  
 \_InternalParse, 794  
 \_InternalSerialize, 794  
 \_class\_data\_, 802  
 ~DatabaseRetrieveReply, 793  
 ByteSizeLong, 794  
 Clear, 794  
 clear\_durations, 795  
 clear\_errors, 795  
 clear\_records, 795  
 clear\_templates, 795  
 CopyFrom, 795  
 DatabaseRetrieveReply, 793, 794  
 default\_instance, 795  
 descriptor, 795  
 durations, 796  
 errors, 796  
 GetCachedSize, 796  
 GetClassData, 796  
 GetDescriptor, 796  
 GetMetadata, 796  
 GetReflection, 796  
 has\_durations, 797  
 has\_errors, 797  
 has\_records, 797  
 has\_templates, 797  
 internal\_default\_instance, 797  
 IsInitialized, 797  
 kDurationsFieldNumber, 793  
 kErrorsFieldNumber, 793  
 kIndexInFileMessages, 802  
 kRecordsFieldNumber, 793  
 kTemplatesFieldNumber, 793  
 MergeFrom, 797  
 mutable\_durations, 798  
 mutable\_errors, 798  
 mutable\_records, 798  
 mutable\_templates, 798  
 New, 798  
 operator=, 798  
 records, 799  
 release\_durations, 799  
 release\_errors, 799  
 release\_records, 799  
 release\_templates, 799  
 set\_allocated\_durations, 799  
 set\_allocated\_errors, 799  
 set\_allocated\_records, 800  
 set\_allocated\_templates, 800  
 Swap, 800  
 swap, 802  
 templates, 800  
 unsafe\_arena\_release\_durations, 800  
 unsafe\_arena\_release\_errors, 800  
 unsafe\_arena\_release\_records, 800  
 unsafe\_arena\_release\_templates, 801  
 unsafe\_arena\_set\_allocated\_durations, 801  
 unsafe\_arena\_set\_allocated\_errors, 801  
 unsafe\_arena\_set\_allocated\_records, 801  
 unsafe\_arena\_set\_allocated\_templates, 801  
 UnsafeArenaSwap, 801  
 briar::DatabaseRetrieveReply::\_Internal, 92  
 durations, 93  
 errors, 93  
 records, 93  
 templates, 93  
 briar::DatabaseRetrieveReplyDefaultTypeInternal, 803  
 \_instance, 804  
 ~DatabaseRetrieveReplyDefaultTypeInternal, 804  
 DatabaseRetrieveReplyDefaultTypeInternal, 804  
 briar::DatabaseRetrieveRequest, 805  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 815  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 815  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 815  
 \_InternalParse, 808  
 \_InternalSerialize, 808  
 \_class\_data\_, 815  
 ~DatabaseRetrieveRequest, 807  
 ByteSizeLong, 808  
 Clear, 809  
 clear\_database, 809  
 clear\_durations, 809  
 clear\_ids, 809  
 CopyFrom, 809  
 database, 809  
 DatabaseRetrieveRequest, 807, 808  
 default\_instance, 809  
 descriptor, 810  
 durations, 810  
 GetCachedSize, 810  
 GetClassData, 810  
 GetDescriptor, 810  
 GetMetadata, 810  
 GetReflection, 810  
 has\_database, 811  
 has\_durations, 811  
 has\_ids, 811  
 ids, 811  
 internal\_default\_instance, 811  
 IsInitialized, 811  
 kDatabaseFieldNumber, 807  
 kDurationsFieldNumber, 807  
 kIdsFieldNumber, 807  
 kIndexInFileMessages, 815  
 MergeFrom, 811  
 mutable\_database, 812  
 mutable\_durations, 812

mutable\_ids, 812  
New, 812  
operator=, 812  
release\_database, 812  
release\_durations, 813  
release\_ids, 813  
set\_allocated\_database, 813  
set\_allocated\_durations, 813  
set\_allocated\_ids, 813  
Swap, 813  
swap, 815  
unsafe\_arena\_release\_database, 813  
unsafe\_arena\_release\_durations, 814  
unsafe\_arena\_release\_ids, 814  
unsafe\_arena\_set\_allocated\_database, 814  
unsafe\_arena\_set\_allocated\_durations, 814  
unsafe\_arena\_set\_allocated\_ids, 814  
UnsafeArenaSwap, 814  
briar::DatabaseRetrieveRequest::Internal, 93  
    database, 93  
    durations, 94  
    ids, 94  
briar::DatabaseRetrieveRequestDefaultTypeInternal,  
    816  
    \_instance, 817  
~DatabaseRetrieveRequestDefaultTypeInternal,  
    817  
DatabaseRetrieveRequestDefaultTypeInternal, 817  
briar::Detection, 818  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        833  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        834  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
        834  
    \_InternalParse, 823  
    \_InternalSerialize, 823  
    \_class\_data\_, 834  
~Detection, 822  
add\_attributes, 823  
attributes, 823  
attributes\_size, 824  
ByteSizeLong, 824  
Clear, 824  
clear\_attributes, 824  
clear\_confidence, 824  
clear\_detection\_class, 824  
clear\_detection\_id, 824  
clear\_frame, 825  
clear\_location, 825  
clear\_mask, 825  
clear\_media, 825  
clear\_modality, 825  
clear\_tracklet\_id, 825  
confidence, 825  
CopyFrom, 825  
default\_instance, 826  
descriptor, 826  
Detection, 822, 823  
detection\_class, 826  
detection\_id, 826  
frame, 826  
GetCachedSize, 826  
GetClassData, 826  
GetDescriptor, 827  
GetMetadata, 827  
GetReflection, 827  
has\_location, 827  
has\_mask, 827  
has\_media, 827  
internal\_default\_instance, 827  
IsInitialized, 828  
kAttributesFieldNumber, 822  
kConfidenceFieldNumber, 822  
kDetectionClassFieldNumber, 822  
kDetectionIdFieldNumber, 822  
kFrameFieldNumber, 822  
kIndexInFileMessages, 834  
kLocationFieldNumber, 822  
kMaskFieldNumber, 822  
kMediaFieldNumber, 822  
kModalityFieldNumber, 822  
kTrackletIdFieldNumber, 822  
location, 828  
mask, 828  
media, 828  
MergeFrom, 828  
modality, 828  
mutable\_attributes, 828, 829  
mutable\_detection\_class, 829  
mutable\_location, 829  
mutable\_mask, 829  
mutable\_media, 829  
New, 829  
operator=, 829, 830  
release\_detection\_class, 830  
release\_location, 830  
release\_mask, 830  
release\_media, 830  
set\_allocated\_detection\_class, 830  
set\_allocated\_location, 830  
set\_allocated\_mask, 831  
set\_allocated\_media, 831  
set\_confidence, 831  
set\_detection\_class, 831  
set\_detection\_id, 831  
set\_frame, 832  
set\_modality, 832  
set\_tracklet\_id, 832  
Swap, 832  
swap, 834  
tracklet\_id, 832  
unsafe\_arena\_release\_location, 832  
unsafe\_arena\_release\_mask, 832  
unsafe\_arena\_release\_media, 833  
unsafe\_arena\_set\_allocated\_location, 833

unsafe\_arena\_set\_allocated\_mask, 833  
 unsafe\_arena\_set\_allocated\_media, 833  
 UnsafeArenaSwap, 833  
 briar::Detection::\_Internal, 94  
     location, 94  
     mask, 94  
     media, 94  
 briar::DetectionDefaultTypeInternal, 835  
     \_instance, 836  
     ~DetectionDefaultTypeInternal, 835  
     DetectionDefaultTypeInternal, 835  
 briar::DetectionOptions, 836  
     ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 858  
     ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 858  
     ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 858  
         \_InternalParse, 841  
         \_InternalSerialize, 842  
         \_class\_data\_, 858  
     ~DetectionOptions, 841  
     add\_attributes, 842  
     algorithm\_id, 842  
     attributes, 842  
     attributes\_size, 842  
     best, 842  
     body\_min\_height, 843  
     body\_threshold, 843  
     ByteSizeLong, 843  
     Clear, 843  
     clear\_algorithm\_id, 843  
     clear\_attributes, 843  
     clear\_best, 843  
     clear\_body\_min\_height, 843  
     clear\_body\_threshold, 844  
     clear\_debug, 844  
     clear\_detect\_batch, 844  
     clear\_enable\_metadata, 844  
     clear\_face\_min\_height, 844  
     clear\_face\_threshold, 844  
     clear\_modality, 844  
     clear\_return\_media, 844  
     clear\_tracking\_options, 845  
     CopyFrom, 845  
     debug, 845  
     default\_instance, 845  
     descriptor, 845  
     detect\_batch, 845  
     DetectionOptions, 840, 841  
     enable\_metadata, 845  
     face\_min\_height, 846  
     face\_threshold, 846  
     GetCachedSize, 846  
     GetClassData, 846  
     GetDescriptor, 846  
     GetMetadata, 846  
     GetReflection, 846  
     has\_algorithm\_id, 847  
     has\_best, 847  
     has\_body\_min\_height, 847  
     has\_body\_threshold, 847  
     has\_debug, 847  
     has\_detect\_batch, 847  
     has\_enable\_metadata, 847  
     has\_face\_min\_height, 848  
     has\_face\_threshold, 848  
     has\_return\_media, 848  
     has\_tracking\_options, 848  
     internal\_default\_instance, 848  
     IsInitialized, 848  
     kAlgorithmIdFieldNumber, 840  
     kAttributesFieldNumber, 840  
     kBestFieldNumber, 840  
     kBodyMinHeightFieldNumber, 840  
     kBodyThresholdFieldNumber, 840  
     kDebugFieldNumber, 840  
     kDetectBatchFieldNumber, 840  
     kEnableMetadataFieldNumber, 840  
     kFaceMinHeightFieldNumber, 840  
     kFaceThresholdFieldNumber, 840  
     kIndexInFileMessages, 858  
     kModalityFieldNumber, 840  
     kReturnMediaFieldNumber, 840  
     kTrackingOptionsFieldNumber, 840  
     MergeFrom, 848  
     modality, 849  
     mutable\_algorithm\_id, 849  
     mutable\_attributes, 849  
     mutable\_best, 849  
     mutable\_body\_min\_height, 849  
     mutable\_body\_threshold, 849  
     mutable\_debug, 850  
     mutable\_detect\_batch, 850  
     mutable\_enable\_metadata, 850  
     mutable\_face\_min\_height, 850  
     mutable\_face\_threshold, 850  
     mutable\_return\_media, 850  
     mutable\_tracking\_options, 850  
     New, 850  
     operator=, 851  
     release\_algorithm\_id, 851  
     release\_best, 851  
     release\_body\_min\_height, 851  
     release\_body\_threshold, 851  
     release\_debug, 851  
     release\_detect\_batch, 852  
     release\_enable\_metadata, 852  
     release\_face\_min\_height, 852  
     release\_face\_threshold, 852  
     release\_return\_media, 852  
     release\_tracking\_options, 852  
     return\_media, 852  
     set\_allocated\_algorithm\_id, 852  
     set\_allocated\_best, 853  
     set\_allocated\_body\_min\_height, 853

set\_allocated\_body\_threshold, 853  
set\_allocated\_debug, 853  
set\_allocated\_detect\_batch, 853  
set\_allocated\_enable\_metadata, 853  
set\_allocated\_face\_min\_height, 853  
set\_allocated\_face\_threshold, 854  
set\_allocated\_return\_media, 854  
set\_allocated\_tracking\_options, 854  
set\_modality, 854  
Swap, 854  
swap, 858  
tracking\_options, 854  
unsafe\_arena\_release\_algorithm\_id, 854  
unsafe\_arena\_release\_best, 855  
unsafe\_arena\_release\_body\_min\_height, 855  
unsafe\_arena\_release\_body\_threshold, 855  
unsafe\_arena\_release\_debug, 855  
unsafe\_arena\_release\_detect\_batch, 855  
unsafe\_arena\_release\_enable\_metadata, 855  
unsafe\_arena\_release\_face\_min\_height, 855  
unsafe\_arena\_release\_face\_threshold, 855  
unsafe\_arena\_release\_return\_media, 856  
unsafe\_arena\_release\_tracking\_options, 856  
unsafe\_arena\_set\_allocated\_algorithm\_id, 856  
unsafe\_arena\_set\_allocated\_best, 856  
unsafe\_arena\_set\_allocated\_body\_min\_height,  
    856  
unsafe\_arena\_set\_allocated\_body\_threshold, 856  
unsafe\_arena\_set\_allocated\_debug, 856  
unsafe\_arena\_set\_allocated\_detect\_batch, 857  
unsafe\_arena\_set\_allocated\_enable\_metadata,  
    857  
unsafe\_arena\_set\_allocated\_face\_min\_height,  
    857  
unsafe\_arena\_set\_allocated\_face\_threshold, 857  
unsafe\_arena\_set\_allocated\_return\_media, 857  
unsafe\_arena\_set\_allocated\_tracking\_options, 857  
UnsafeArenaSwap, 857  
briar::DetectionOptions::\_Internal, 95  
    algorithm\_id, 95  
    best, 95  
    body\_min\_height, 95  
    body\_threshold, 95  
    debug, 96  
    detect\_batch, 96  
    enable\_metadata, 96  
    face\_min\_height, 96  
    face\_threshold, 96  
    return\_media, 96  
    tracking\_options, 96  
briar::DetectionOptionsDefaultTypeInternal, 859  
    \_instance, 860  
~DetectionOptionsDefaultTypeInternal, 860  
DetectionOptionsDefaultTypeInternal, 860  
briar::DetectReply, 861  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        874  
            ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
                875  
            ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
                875  
            \_InternalParse, 865  
            \_InternalSerialize, 865  
            \_class\_data\_, 875  
            ~DetectReply, 864  
            add\_detections, 865  
            ByteSizeLong, 865  
            Clear, 865  
            clear\_detections, 865  
            clear\_durations, 866  
            clear\_errors, 866  
            clear\_frame\_id, 866  
            clear\_modality, 866  
            clear\_progress, 866  
            clear\_progress\_only\_reply, 866  
            clear\_reference\_media, 866  
            CopyFrom, 866  
            default\_instance, 867  
            descriptor, 867  
            detections, 867  
            detections\_size, 867  
            DetectReply, 864  
            durations, 867  
            errors, 867  
            frame\_id, 868  
            GetCachedSize, 868  
            GetClassData, 868  
            GetDescriptor, 868  
            GetMetadata, 868  
            GetReflection, 868  
            has\_durations, 868  
            has\_errors, 869  
            has\_progress, 869  
            has\_reference\_media, 869  
            internal\_default\_instance, 869  
            IsInitialized, 869  
            kDetectionsFieldNumber, 864  
            kDurationsFieldNumber, 864  
            kErrorsFieldNumber, 864  
            kFrameIdFieldNumber, 864  
            kIndexInFileMessages, 875  
            kModalityFieldNumber, 864  
            kProgressFieldNumber, 864  
            kProgressOnlyReplyFieldNumber, 864  
            kReferenceMediaFieldNumber, 864  
            MergeFrom, 869  
            modality, 869  
            mutable\_detections, 870  
            mutable\_durations, 870  
            mutable\_errors, 870  
            mutable\_progress, 870  
            mutable\_reference\_media, 870  
            New, 870  
            operator=, 871  
            progress, 871

progress\_only\_reply, 871  
 reference\_media, 871  
 release\_durations, 871  
 release\_errors, 871  
 release\_progress, 872  
 release\_reference\_media, 872  
 set\_allocated\_durations, 872  
 set\_allocated\_errors, 872  
 set\_allocated\_progress, 872  
 set\_allocated\_reference\_media, 872  
 set\_frame\_id, 872  
 set\_modality, 873  
 set\_progress\_only\_reply, 873  
 Swap, 873  
 swap, 875  
 unsafe\_arena\_release\_durations, 873  
 unsafe\_arena\_release\_errors, 873  
 unsafe\_arena\_release\_progress, 873  
 unsafe\_arena\_release\_reference\_media, 873  
 unsafe\_arena\_set\_allocated\_durations, 874  
 unsafe\_arena\_set\_allocated\_errors, 874  
 unsafe\_arena\_set\_allocated\_progress, 874  
 unsafe\_arena\_set\_allocated\_reference\_media,  
     874  
 UnsafeArenaSwap, 874  
**briar::DetectReply::\_Internal**, 97  
 durations, 97  
 errors, 97  
 progress, 97  
 reference\_media, 97  
**briar::DetectReplyDefaultTypeInternal**, 876  
 \_instance, 877  
 $\sim$ DetectReplyDefaultTypeInternal, 876  
 DetectReplyDefaultTypeInternal, 876  
**briar::DetectRequest**, 877  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     892  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     892  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto  
     892  
 \_InternalParse, 881  
 \_InternalSerialize, 882  
 \_class\_data\_, 893  
 $\sim$ DetectRequest, 881  
 ByteSizeLong, 882  
 Clear, 882  
 clear\_detect\_options, 882  
 clear\_durations, 882  
 clear\_entry\_name, 882  
 clear\_entry\_type, 882  
 clear\_frame, 883  
 clear\_media, 883  
 clear\_media\_id, 883  
 clear\_subject\_id, 883  
 CopyFrom, 883  
 default\_instance, 883  
 descriptor, 883  
 detect\_options, 884  
 DetectRequest, 881  
 durations, 884  
 entry\_name, 884  
 entry\_type, 884  
 frame, 884  
 GetCachedSize, 884  
 GetClassData, 884  
 GetDescriptor, 885  
 GetMetadata, 885  
 GetReflection, 885  
 has\_detect\_options, 885  
 has\_durations, 885  
 has\_media, 885  
 internal\_default\_instance, 885  
 IsInitialized, 886  
 kDetectOptionsFieldNumber, 880  
 kDurationsFieldNumber, 880  
 kEntryNameFieldNumber, 880  
 kEntryTypeFieldNumber, 880  
 kFrameFieldNumber, 880  
 kIndexInFileMessages, 893  
 kMediaFieldNumber, 880  
 kMediaIdFieldNumber, 880  
 kSubjectIdFieldNumber, 880  
 media, 886  
 media\_id, 886  
 MergeFrom, 886  
 mutable\_detect\_options, 886  
 mutable\_durations, 886  
 mutable\_entry\_name, 886  
 mutable\_media, 887  
 mutable\_media\_id, 887  
 mutable\_subject\_id, 887  
 New, 887  
 operator=, 887  
 release\_detect\_options, 887  
 release\_durations, 888  
 release\_entry\_name, 888  
 release\_media, 888  
 release\_media\_id, 888  
 release\_subject\_id, 888  
 set\_allocated\_detect\_options, 888  
 set\_allocated\_durations, 888  
 set\_allocated\_entry\_name, 889  
 set\_allocated\_media, 889  
 set\_allocated\_media\_id, 889  
 set\_allocated\_subject\_id, 889  
 set\_entry\_name, 889  
 set\_entry\_type, 890  
 set\_frame, 890  
 set\_media\_id, 890  
 set\_subject\_id, 890  
 subject\_id, 891  
 Swap, 891  
 swap, 892  
 unsafe\_arena\_release\_detect\_options, 891  
 unsafe\_arena\_release\_durations, 891

unsafe\_arena\_release\_media, 891  
unsafe\_arena\_set\_allocated\_detect\_options, 891  
unsafe\_arena\_set\_allocated\_durations, 891  
unsafe\_arena\_set\_allocated\_media, 892  
UnsafeArenaSwap, 892  
briar::DetectRequest::\_Internal, 98  
    detect\_options, 98  
    durations, 98  
    media, 98  
briar::DetectRequestDefaultTypeInternal, 893  
    \_instance, 894  
    ~DetectRequestDefaultTypeInternal, 894  
    DetectRequestDefaultTypeInternal, 894  
briar::Empty, 895  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 899  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 899  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 899  
        \_class\_data\_, 900  
    CopyFrom, 897  
    default\_instance, 897  
    descriptor, 897  
    Empty, 896, 897  
    GetClassData, 897  
    GetDescriptor, 897  
    GetMetadata, 898  
    GetReflection, 898  
    internal\_default\_instance, 898  
    kIndexInFileMessages, 900  
    MergeFrom, 898  
    New, 898  
    operator=, 898  
    Swap, 899  
    swap, 899  
    UnsafeArenaSwap, 899  
briar::Empty::\_Internal, 99  
briar::EmptyDefaultTypeInternal, 900  
    \_instance, 901  
    ~EmptyDefaultTypeInternal, 901  
    EmptyDefaultTypeInternal, 901  
briar::EnhanceOptions, 902  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 914  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 914  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 914  
        \_InternalParse, 905  
        \_InternalSerialize, 906  
        \_class\_data\_, 914  
    ~EnhanceOptions, 905  
    add\_attributes, 906  
    algorithm\_id, 906  
    attributes, 906  
    attributes\_size, 906  
    ByteSizeLong, 906  
Clear, 907  
clear\_algorithm\_id, 907  
clear\_attributes, 907  
clear\_cropped, 907  
clear\_enhance\_batch, 907  
clear\_modality, 907  
clear\_return\_media, 907  
CopyFrom, 907  
cropped, 908  
default\_instance, 908  
descriptor, 908  
enhance\_batch, 908  
EnhanceOptions, 905  
GetCachedSize, 908  
GetClassData, 908  
GetDescriptor, 908  
GetMetadata, 909  
GetReflection, 909  
has\_algorithm\_id, 909  
has\_enhance\_batch, 909  
has\_return\_media, 909  
internal\_default\_instance, 909  
IsInitialized, 909  
kAlgorithmIdFieldNumber, 904  
kAttributesFieldNumber, 904  
kCroppedFieldNumber, 904  
kEnhanceBatchFieldNumber, 904  
kIndexInFileMessages, 914  
kModalityFieldNumber, 904  
kReturnMediaFieldNumber, 904  
MergeFrom, 910  
modality, 910  
mutable\_algorithm\_id, 910  
mutable\_attributes, 910  
mutable\_enhance\_batch, 910  
mutable\_return\_media, 910  
New, 911  
operator=, 911  
release\_algorithm\_id, 911  
release\_enhance\_batch, 911  
release\_return\_media, 911  
return\_media, 911  
set\_allocated\_algorithm\_id, 912  
set\_allocated\_enhance\_batch, 912  
set\_allocated\_return\_media, 912  
set\_cropped, 912  
set\_modality, 912  
Swap, 912  
swap, 914  
unsafe\_arena\_release\_algorithm\_id, 912  
unsafe\_arena\_release\_enhance\_batch, 913  
unsafe\_arena\_release\_return\_media, 913  
unsafe\_arena\_set\_allocated\_algorithm\_id, 913  
unsafe\_arena\_set\_allocated\_enhance\_batch, 913  
unsafe\_arena\_set\_allocated\_return\_media, 913  
UnsafeArenaSwap, 913  
briar::EnhanceOptions::\_Internal, 99  
    algorithm\_id, 99

enhance\_batch, 99  
 return\_media, 99  
 briar::EnhanceOptionsDefaultTypeInternal, 915  
   \_instance, 916  
   ~EnhanceOptionsDefaultTypeInternal, 916  
   EnhanceOptionsDefaultTypeInternal, 916  
 briar::EnhanceReply, 917  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 928  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 929  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 929  
   \_InternalParse, 920  
   \_InternalSerialize, 921  
   \_class\_data\_, 929  
   ~EnhanceReply, 920  
   ByteSizeLong, 921  
   Clear, 921  
   clear\_durations, 921  
   clear\_errors, 921  
   clear\_media, 921  
   clear\_progress, 921  
   clear\_progress\_only\_reply, 922  
   CopyFrom, 922  
   default\_instance, 922  
   descriptor, 922  
   durations, 922  
   EnhanceReply, 919, 920  
   errors, 922  
   GetCachedSize, 922  
   GetClassData, 923  
   GetDescriptor, 923  
   GetMetadata, 923  
   GetReflection, 923  
   has\_durations, 923  
   has\_errors, 923  
   has\_media, 923  
   has\_progress, 924  
   internal\_default\_instance, 924  
   IsInitialized, 924  
   kDurationsFieldNumber, 919  
   kErrorsFieldNumber, 919  
   kIndexInFileMessages, 929  
   kMediaFieldNumber, 919  
   kProgressFieldNumber, 919  
   kProgressOnlyReplyFieldNumber, 919  
   media, 924  
   MergeFrom, 924  
   mutable\_durations, 924  
   mutable\_errors, 924  
   mutable\_media, 925  
   mutable\_progress, 925  
   New, 925  
   operator=, 925  
   progress, 925  
   progress\_only\_reply, 925  
   release\_durations, 926  
   release\_errors, 926  
   release\_media, 926  
   release\_progress, 926  
   set\_allocated\_durations, 926  
   set\_allocated\_errors, 926  
   set\_allocated\_media, 926  
   set\_allocated\_progress, 927  
   set\_progress\_only\_reply, 927  
   Swap, 927  
   swap, 929  
   unsafe\_arena\_release\_durations, 927  
   unsafe\_arena\_release\_errors, 927  
   unsafe\_arena\_release\_media, 927  
   unsafe\_arena\_release\_progress, 927  
   unsafe\_arena\_set\_allocated\_durations, 928  
   unsafe\_arena\_set\_allocated\_errors, 928  
   unsafe\_arena\_set\_allocated\_media, 928  
   unsafe\_arena\_set\_allocated\_progress, 928  
   UnsafeArenaSwap, 928  
 briar::EnhanceReply::\_Internal, 100  
   durations, 100  
   errors, 100  
   media, 100  
   progress, 100  
 briar::EnhanceReplyDefaultTypeInternal, 930  
   \_instance, 931  
   ~EnhanceReplyDefaultTypeInternal, 930  
   EnhanceReplyDefaultTypeInternal, 930  
 briar::EnhanceRequest, 931  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 944  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 944  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 944  
   \_InternalParse, 935  
   \_InternalSerialize, 935  
   \_class\_data\_, 944  
   ~EnhanceRequest, 934  
   add\_metadata, 935  
   add\_options, 936  
   ByteSizeLong, 936  
   Clear, 936  
   clear\_durations, 936  
   clear\_enhance\_options, 936  
   clear\_frame\_id, 936  
   clear\_media, 936  
   clear\_metadata, 936  
   clear\_options, 937  
   CopyFrom, 937  
   default\_instance, 937  
   descriptor, 937  
   durations, 937  
   enhance\_options, 937  
   EnhanceRequest, 934, 935  
   frame\_id, 937  
   GetCachedSize, 938  
   GetClassData, 938

GetDescriptor, 938  
GetMetadata, 938  
GetReflection, 938  
has\_durations, 938  
has\_enhance\_options, 938  
has\_media, 939  
internal\_default\_instance, 939  
IsInitialized, 939  
kDurationsFieldNumber, 934  
kEnhanceOptionsFieldNumber, 934  
kFrameIdFieldNumber, 934  
kIndexInFileMessages, 945  
kMediaFieldNumber, 934  
kMetadataFieldNumber, 934  
kOptionsFieldNumber, 934  
media, 939  
MergeFrom, 939  
metadata, 939  
metadata\_size, 940  
mutable\_durations, 940  
mutable\_enhance\_options, 940  
mutable\_media, 940  
mutable\_metadata, 940  
mutable\_options, 940, 941  
New, 941  
operator=, 941  
options, 941  
options\_size, 941  
release\_durations, 942  
release\_enhance\_options, 942  
release\_media, 942  
set\_allocated\_durations, 942  
set\_allocated\_enhance\_options, 942  
set\_allocated\_media, 942  
set\_frame\_id, 942  
Swap, 943  
swap, 944  
unsafe\_arena\_release\_durations, 943  
unsafe\_arena\_release\_enhance\_options, 943  
unsafe\_arena\_release\_media, 943  
unsafe\_arena\_set\_allocated\_durations, 943  
unsafe\_arena\_set\_allocated\_enhance\_options,  
    943  
unsafe\_arena\_set\_allocated\_media, 943  
UnsafeArenaSwap, 944  
briar::EnhanceRequest::\_Internal, 101  
    durations, 101  
    enhance\_options, 101  
    media, 101  
briar::EnhanceRequestDefaultTypeInternal, 945  
    \_instance, 946  
    ~EnhanceRequestDefaultTypeInternal, 946  
    EnhanceRequestDefaultTypeInternal, 946  
briar::EnrollCustomRequest, 947  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        962  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        962  
            ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
                962  
            \_InternalParse, 951  
            \_InternalSerialize, 951  
            \_class\_data\_, 962  
            ~EnrollCustomRequest, 950  
            ByteSizeLong, 951  
            Clear, 951  
            clear\_database, 951  
            clear\_detect\_options, 952  
            clear\_durations, 952  
            clear\_enroll\_options, 952  
            clear\_extract\_options, 952  
            clear\_sigset\_encoded, 952  
            clear\_sigset\_name, 952  
            CopyFrom, 952  
            database, 952  
            default\_instance, 953  
            descriptor, 953  
            detect\_options, 953  
            durations, 953  
            enroll\_options, 953  
            EnrollCustomRequest, 950, 951  
            extract\_options, 953  
            GetCachedSize, 953  
            GetClassData, 954  
            GetDescriptor, 954  
            GetMetadata, 954  
            GetReflection, 954  
            has\_database, 954  
            has\_detect\_options, 954  
            has\_durations, 954  
            has\_enroll\_options, 955  
            has\_extract\_options, 955  
            internal\_default\_instance, 955  
            IsInitialized, 955  
            kDatabaseFieldNumber, 950  
            kDetectOptionsFieldNumber, 950  
            kDurationsFieldNumber, 950  
            kEnrollOptionsFieldNumber, 950  
            kExtractOptionsFieldNumber, 950  
            kIndexInFileMessages, 962  
            kSigsetEncodedFieldNumber, 950  
            kSigSetNameFieldNumber, 950  
            MergeFrom, 955  
            mutable\_database, 955  
            mutable\_detect\_options, 955  
            mutable\_durations, 956  
            mutable\_enroll\_options, 956  
            mutable\_extract\_options, 956  
            mutable\_sigset\_encoded, 956  
            mutable\_sigset\_name, 956  
            New, 956  
            operator=, 956, 957  
            release\_database, 957  
            release\_detect\_options, 957  
            release\_durations, 957  
            release\_enroll\_options, 957

release\_extract\_options, 957  
 release\_sigset\_encoded, 957  
 release\_sigset\_name, 958  
 set\_allocated\_database, 958  
 set\_allocated\_detect\_options, 958  
 set\_allocated\_durations, 958  
 set\_allocated\_enroll\_options, 958  
 set\_allocated\_extract\_options, 958  
 set\_allocated\_sigset\_encoded, 958  
 set\_allocated\_sigset\_name, 959  
 set\_sigset\_encoded, 959  
 set\_sigset\_name, 959  
 sigset\_encoded, 959  
 sigset\_name, 960  
 Swap, 960  
 swap, 962  
 unsafe\_arena\_release\_database, 960  
 unsafe\_arena\_release\_detect\_options, 960  
 unsafe\_arena\_release\_durations, 960  
 unsafe\_arena\_release\_enroll\_options, 960  
 unsafe\_arena\_release\_extract\_options, 960  
 unsafe\_arena\_set\_allocated\_database, 961  
 unsafe\_arena\_set\_allocated\_detect\_options, 961  
 unsafe\_arena\_set\_allocated\_durations, 961  
 unsafe\_arena\_set\_allocated\_enroll\_options, 961  
 unsafe\_arena\_set\_allocated\_extract\_options, 961  
 UnsafeArenaSwap, 961  
**briar::EnrollCustomRequest::\_Internal**, 101  
 database, 102  
 detect\_options, 102  
 durations, 102  
 enroll\_options, 102  
 extract\_options, 102  
**briar::EnrollCustomRequestDefaultTypeInternal**, 963  
 \_instance, 964  
 $\sim$ EnrollCustomRequestDefaultTypeInternal, 964  
 EnrollCustomRequestDefaultTypeInternal, 964  
**briar::EnrollmentInfo**, 965  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 979  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 979  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 979  
 \_InternalParse, 969  
 \_InternalSerialize, 969  
 \_class\_data\_, 979  
 $\sim$ EnrollmentInfo, 968  
 add\_attributes, 969  
 attributes, 969  
 attributes\_size, 970  
 ByteSizeLong, 970  
 Clear, 970  
 clear\_attributes, 970  
 clear\_database\_id, 970  
 clear\_media\_id, 970  
 clear\_name, 970  
 clear\_source, 971  
 clear\_subject\_id, 971  
 clear\_type, 971  
 CopyFrom, 971  
 database\_id, 971  
 default\_instance, 971  
 descriptor, 971  
 EnrollmentInfo, 968, 969  
 GetCachedSize, 972  
 GetClassData, 972  
 GetDescriptor, 972  
 GetMetadata, 972  
 GetReflection, 972  
 internal\_default\_instance, 972  
 IsInitialized, 972  
 kAttributesFieldNumber, 968  
 kDatabaseIdFieldNumber, 968  
 kIndexInFileMessages, 979  
 kMediaIdFieldNumber, 968  
 kNameFieldNumber, 968  
 kSourceFieldNumber, 968  
 kSubjectIdFieldNumber, 968  
 kTypeFieldNumber, 968  
 media\_id, 973  
 MergeFrom, 973  
 mutable\_attributes, 973  
 mutable\_database\_id, 973  
 mutable\_media\_id, 973  
 mutable\_name, 973  
 mutable\_source, 974  
 mutable\_subject\_id, 974  
 name, 974  
 New, 974  
 operator=, 974  
 release\_database\_id, 974  
 release\_media\_id, 975  
 release\_name, 975  
 release\_source, 975  
 release\_subject\_id, 975  
 set\_allocated\_database\_id, 975  
 set\_allocated\_media\_id, 975  
 set\_allocated\_name, 975  
 set\_allocated\_source, 976  
 set\_allocated\_subject\_id, 976  
 set\_database\_id, 976  
 set\_media\_id, 976  
 set\_name, 977  
 set\_source, 977  
 set\_subject\_id, 977  
 set\_type, 978  
 source, 978  
 subject\_id, 978  
 Swap, 978  
 swap, 979  
 type, 978  
 UnsafeArenaSwap, 978  
**briar::EnrollmentInfo::\_Internal**, 102  
**briar::EnrollmentInfoDefaultTypeInternal**, 980  
 \_instance, 981

~EnrollmentInfoDefaultTypeInternal, 981  
EnrollmentInfoDefaultTypeInternal, 981  
briar::EnrollOptions, 982  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    1003  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    1003  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
    1003  
  \_InternalParse, 987  
  \_InternalSerialize, 987  
  \_class\_data\_, 1004  
~EnrollOptions, 986  
add\_attributes, 987  
add\_subject\_ids, 987, 988  
attributes, 988  
attributes\_size, 988  
ByteSizeLong, 989  
Clear, 989  
clear\_attributes, 989  
clear\_debug, 989  
clear\_enroll\_batch, 989  
clear\_enroll\_flag, 989  
clear\_entry\_type, 989  
clear\_media\_id, 989  
clear\_modality, 990  
clear\_return\_media, 990  
clear\_save\_metadata, 990  
clear\_store\_media, 990  
clear\_subject\_id\_integer, 990  
clear\_subject\_ids, 990  
clear\_use\_subject\_integer\_id, 990  
CopyFrom, 990  
debug, 991  
default\_instance, 991  
descriptor, 991  
enroll\_batch, 991  
enroll\_flag, 991  
EnrollOptions, 986, 987  
entry\_type, 991  
GetCachedSize, 991  
GetClassData, 992  
GetDescriptor, 992  
GetMetadata, 992  
GetReflection, 992  
has\_debug, 992  
has\_enroll\_batch, 992  
has\_return\_media, 992  
has\_save\_metadata, 993  
has\_store\_media, 993  
has\_subject\_id\_integer, 993  
has\_use\_subject\_integer\_id, 993  
internal\_default\_instance, 993  
IsInitialized, 993  
kAttributesFieldNumber, 986  
kDebugFieldNumber, 986  
kEnrollBatchFieldNumber, 986  
kEnrollFlagFieldNumber, 986  
kEntryTypeFieldNumber, 986  
kIndexInFileMessages, 1004  
kMediaIdFieldNumber, 986  
kModalityFieldNumber, 986  
kReturnMediaFieldNumber, 986  
kSaveMetadataFieldNumber, 986  
kStoreMediaFieldNumber, 986  
kSubjectIdIntegerFieldNumber, 986  
kSubjectIdsFieldNumber, 986  
kUseSubjectIntegerIdFieldNumber, 986  
media\_id, 993  
MergeFrom, 994  
modality, 994  
mutable\_attributes, 994  
mutable\_debug, 994  
mutable\_enroll\_batch, 994  
mutable\_media\_id, 994  
mutable\_return\_media, 995  
mutable\_save\_metadata, 995  
mutable\_store\_media, 995  
mutable\_subject\_id\_integer, 995  
mutable\_subject\_ids, 995  
mutable\_use\_subject\_integer\_id, 995  
New, 996  
operator=, 996  
release\_debug, 996  
release\_enroll\_batch, 996  
release\_media\_id, 996  
release\_return\_media, 996  
release\_save\_metadata, 997  
release\_store\_media, 997  
release\_subject\_id\_integer, 997  
release\_use\_subject\_integer\_id, 997  
return\_media, 997  
save\_metadata, 997  
set\_allocated\_debug, 997  
set\_allocated\_enroll\_batch, 997  
set\_allocated\_media\_id, 998  
set\_allocated\_return\_media, 998  
set\_allocated\_save\_metadata, 998  
set\_allocated\_store\_media, 998  
set\_allocated\_subject\_id\_integer, 998  
set\_allocated\_use\_subject\_integer\_id, 998  
set\_enroll\_flag, 998  
set\_entry\_type, 999  
set\_media\_id, 999  
set\_modality, 999  
set\_subject\_ids, 999, 1000  
store\_media, 1000  
subject\_id\_integer, 1000  
subject\_ids, 1000  
subject\_ids\_size, 1000  
Swap, 1001  
swap, 1003  
unsafe\_arena\_release\_debug, 1001  
unsafe\_arena\_release\_enroll\_batch, 1001  
unsafe\_arena\_release\_return\_media, 1001  
unsafe\_arena\_release\_save\_metadata, 1001

unsafe\_arena\_release\_store\_media, 1001  
 unsafe\_arena\_release\_subject\_id\_integer, 1001  
 unsafe\_arena\_release\_use\_subject\_integer\_id,  
     1002  
 unsafe\_arena\_set\_allocated\_debug, 1002  
 unsafe\_arena\_set\_allocated\_enroll\_batch, 1002  
 unsafe\_arena\_set\_allocated\_return\_media, 1002  
 unsafe\_arena\_set\_allocated\_save\_metadata,  
     1002  
 unsafe\_arena\_set\_allocated\_store\_media, 1002  
 unsafe\_arena\_set\_allocated\_subject\_id\_integer,  
     1002  
 unsafe\_arena\_set\_allocated\_use\_subject\_integer\_id,  
     1003  
 UnsafeArenaSwap, 1003  
 use\_subject\_integer\_id, 1003  
 briar::EnrollOptions::\_Internal, 103  
 debug, 103  
 enroll\_batch, 103  
 return\_media, 103  
 save\_metadata, 103  
 store\_media, 103  
 subject\_id\_integer, 104  
 use\_subject\_integer\_id, 104  
 briar::EnrollOptionsDefaultTypeInternal, 1004  
     \_instance, 1005  
 ~EnrollOptionsDefaultTypeInternal, 1005  
 EnrollOptionsDefaultTypeInternal, 1005  
 briar::EnrollReply, 1006  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
     1023  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
     1023  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf  
     1023  
 \_InternalParse, 1010  
 \_InternalSerialize, 1010  
 \_class\_data\_, 1023  
 ~EnrollReply, 1009  
 add\_detections, 1010  
 add\_enrollments, 1011  
 ByteSizeLong, 1011  
 Clear, 1011  
 clear\_detect\_reply, 1011  
 clear\_detections, 1011  
 clear\_durations, 1011  
 clear\_enrollments, 1011  
 clear\_errors, 1011  
 clear\_extract\_reply, 1012  
 clear\_frame\_id, 1012  
 clear\_progress, 1012  
 clear\_progress\_only\_reply, 1012  
 clear\_track\_reply, 1012  
 CopyFrom, 1012  
 default\_instance, 1012  
 descriptor, 1013  
 detect\_reply, 1013  
 detections, 1013

detections\_size, 1013  
 durations, 1013  
 enrollments, 1013, 1014  
 enrollments\_size, 1014  
 EnrollReply, 1009, 1010  
 errors, 1014  
 extract\_reply, 1014  
 frame\_id, 1014  
 GetCachedSize, 1014  
 GetClassData, 1014  
 GetDescriptor, 1015  
 GetMetadata, 1015  
 GetReflection, 1015  
 has\_detect\_reply, 1015  
 has\_durations, 1015  
 has\_errors, 1015  
 has\_extract\_reply, 1015  
 has\_progress, 1016  
 has\_track\_reply, 1016  
 internal\_default\_instance, 1016  
 IsInitialized, 1016  
 kDetectionsFieldNumber, 1009  
 kDetectReplyFieldNumber, 1009  
 kDurationsFieldNumber, 1009  
 kEnrollmentsFieldNumber, 1009  
 kErrorsFieldNumber, 1009  
 kExtractReplyFieldNumber, 1009  
 kFrameIdFieldNumber, 1009  
 kIndexInFileMessages, 1023  
 kProgressFieldNumber, 1009  
 kProgressOnlyReplyFieldNumber, 1009  
 kTrackReplyFieldNumber, 1009  
 MergeFrom, 1016

mutable\_detect\_reply, 1016  
 mutable\_detections, 1016, 1017  
 mutable\_durations, 1017  
 mutable\_enrollments, 1017  
 mutable\_errors, 1017  
 mutable\_extract\_reply, 1017  
 mutable\_progress, 1017  
 mutable\_track\_reply, 1018  
 New, 1018  
 operator=, 1018  
 progress, 1018  
 progress\_only\_reply, 1018  
 release\_detect\_reply, 1018  
 release\_durations, 1019  
 release\_errors, 1019  
 release\_extract\_reply, 1019  
 release\_progress, 1019  
 release\_track\_reply, 1019  
 set\_allocated\_detect\_reply, 1019  
 set\_allocated\_durations, 1019  
 set\_allocated\_errors, 1020  
 set\_allocated\_extract\_reply, 1020  
 set\_allocated\_progress, 1020  
 set\_allocated\_track\_reply, 1020  
 set\_frame\_id, 1020

set\_progress\_only\_reply, 1020  
Swap, 1020  
swap, 1023  
track\_reply, 1021  
unsafe\_arena\_release\_detect\_reply, 1021  
unsafe\_arena\_release\_durations, 1021  
unsafe\_arena\_release\_errors, 1021  
unsafe\_arena\_release\_extract\_reply, 1021  
unsafe\_arena\_release\_progress, 1021  
unsafe\_arena\_release\_track\_reply, 1021  
unsafe\_arena\_set\_allocated\_detect\_reply, 1022  
unsafe\_arena\_set\_allocated\_durations, 1022  
unsafe\_arena\_set\_allocated\_errors, 1022  
unsafe\_arena\_set\_allocated\_extract\_reply, 1022  
unsafe\_arena\_set\_allocated\_progress, 1022  
unsafe\_arena\_set\_allocated\_track\_reply, 1022  
UnsafeArenaSwap, 1022  
briar::EnrollReply::\_\_Internal, 104  
detect\_reply, 104  
durations, 104  
errors, 105  
extract\_reply, 105  
progress, 105  
track\_reply, 105  
briar::EnrollReplyDefaultTypeInternal, 1024  
\_\_instance, 1025  
~EnrollReplyDefaultTypeInternal, 1025  
EnrollReplyDefaultTypeInternal, 1025  
briar::EnrollRequest, 1026  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
    1049  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
    1049  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5fservice\_2eproto  
    1050  
\_InternalParse, 1031  
\_InternalSerialize, 1031  
\_class\_data\_, 1050  
~EnrollRequest, 1030  
add\_detections, 1031  
add\_subject\_ids, 1031, 1032  
add\_tracks, 1032  
ByteSizeLong, 1032  
Clear, 1032  
clear\_database, 1033  
clear\_detect\_options, 1033  
clear\_detections, 1033  
clear\_durations, 1033  
clear\_enroll\_flag, 1033  
clear\_enroll\_options, 1033  
clear\_extract\_options, 1033  
clear\_frame, 1033  
clear\_media, 1034  
clear\_media\_id, 1034  
clear\_record, 1034  
clear\_subject\_id\_integer, 1034  
clear\_subject\_ids, 1034  
clear\_template\_, 1034  
clear\_tracks, 1034  
CopyFrom, 1034  
database, 1035  
default\_instance, 1035  
descriptor, 1035  
detect\_options, 1035  
detections, 1035  
detections\_size, 1035  
durations, 1036  
enroll\_flag, 1036  
enroll\_options, 1036  
EnrollRequest, 1030, 1031  
extract\_options, 1036  
frame, 1036  
GetCachedSize, 1036  
GetClassData, 1036  
GetDescriptor, 1036  
GetMetadata, 1037  
GetReflection, 1037  
has\_database, 1037  
has\_detect\_options, 1037  
has\_durations, 1037  
has\_enroll\_options, 1037  
has\_extract\_options, 1037  
has\_media, 1038  
has\_record, 1038  
has\_template\_, 1038  
internal\_default\_instance, 1038  
IsInitialized, 1038  
kDatabaseFieldNumber, 1030  
kDetectionsFieldNumber, 1030  
kDetectOptionsFieldNumber, 1030  
kDurationsFieldNumber, 1030  
kEnrollFlagFieldNumber, 1030  
kEnrollOptionsFieldNumber, 1030  
kExtractOptionsFieldNumber, 1030  
kFrameFieldNumber, 1030  
kIndexInFileMessages, 1050  
kMediaFieldNumber, 1030  
kMediaIdFieldNumber, 1030  
kRecordFieldNumber, 1030  
kSubjectIdIntegerFieldNumber, 1030  
kSubjectIdsFieldNumber, 1030  
kTemplateFieldNumber, 1030  
kTracksFieldNumber, 1030  
media, 1038  
media\_id, 1038  
MergeFrom, 1039  
mutable\_database, 1039  
mutable\_detect\_options, 1039  
mutable\_detections, 1039  
mutable\_durations, 1039  
mutable\_enroll\_options, 1039  
mutable\_extract\_options, 1040  
mutable\_media, 1040  
mutable\_media\_id, 1040  
mutable\_record, 1040  
mutable\_subject\_ids, 1040

mutable\_template\_, 1040  
 mutable\_tracks, 1041  
 New, 1041  
 operator=, 1041  
 record, 1041  
 release\_database, 1041  
 release\_detect\_options, 1042  
 release\_durations, 1042  
 release\_enroll\_options, 1042  
 release\_extract\_options, 1042  
 release\_media, 1042  
 release\_media\_id, 1042  
 release\_record, 1042  
 release\_template\_, 1042  
 set\_allocated\_database, 1043  
 set\_allocated\_detect\_options, 1043  
 set\_allocated\_durations, 1043  
 set\_allocated\_enroll\_options, 1043  
 set\_allocated\_extract\_options, 1043  
 set\_allocated\_media, 1043  
 set\_allocated\_media\_id, 1043  
 set\_allocated\_record, 1044  
 set\_allocated\_template\_, 1044  
 set\_enroll\_flag, 1044  
 set\_frame, 1044  
 set\_media\_id, 1044  
 set\_subject\_id\_integer, 1045  
 set\_subject\_ids, 1045  
 subject\_id\_integer, 1045  
 subject\_ids, 1046  
 subject\_ids\_size, 1046  
 Swap, 1046  
 swap, 1050  
 template\_, 1046  
 tracks, 1046  
 tracks\_size, 1047  
 unsafe\_arena\_release\_database, 1047  
 unsafe\_arena\_release\_detect\_options, 1047  
 unsafe\_arena\_release\_durations, 1047  
 unsafe\_arena\_release\_enroll\_options, 1047  
 unsafe\_arena\_release\_extract\_options, 1047  
 unsafe\_arena\_release\_media, 1047  
 unsafe\_arena\_release\_record, 1048  
 unsafe\_arena\_release\_template\_, 1048  
 unsafe\_arena\_set\_allocated\_database, 1048  
 unsafe\_arena\_set\_allocated\_detect\_options, 1048  
 unsafe\_arena\_set\_allocated\_durations, 1048  
 unsafe\_arena\_set\_allocated\_enroll\_options, 1048  
 unsafe\_arena\_set\_allocated\_extract\_options,  
     1048  
 unsafe\_arena\_set\_allocated\_media, 1049  
 unsafe\_arena\_set\_allocated\_record, 1049  
 unsafe\_arena\_set\_allocated\_template\_, 1049  
 UnsafeArenaSwap, 1049  
 briar::EnrollRequest::\_Internal, 105  
     database, 106  
     detect\_options, 106  
     durations, 106  
     enroll\_options, 106  
     extract\_options, 106  
     media, 106  
     record, 106  
     template\_, 107  
 briar::EnrollRequestDefaultTypeInternal, 1051  
     \_instance, 1052  
     ~EnrollRequestDefaultTypeInternal, 1051  
     EnrollRequestDefaultTypeInternal, 1051  
 briar::ExtractOptions, 1052  
     ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
         1066  
     ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
         1066  
     ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
         1066  
     \_InternalParse, 1056  
     \_InternalSerialize, 1056  
     \_class\_data\_, 1066  
     ~ExtractOptions, 1055  
     add\_attributes, 1057  
     algorithm\_id, 1057  
     attributes, 1057  
     attributes\_size, 1057  
     ByteSizeLong, 1057  
     Clear, 1057  
     clear\_algorithm\_id, 1058  
     clear\_attributes, 1058  
     clear\_debug, 1058  
     clear\_extract\_batch, 1058  
     clear\_flag, 1058  
     clear\_modality, 1058  
     clear\_return\_media, 1058  
     CopyFrom, 1058  
     debug, 1059  
     default\_instance, 1059  
     descriptor, 1059  
     extract\_batch, 1059  
     ExtractOptions, 1055, 1056  
     flag, 1059  
     GetCachedSize, 1059  
     GetClassData, 1059  
     GetDescriptor, 1060  
     GetMetadata, 1060  
     GetReflection, 1060  
     has\_algorithm\_id, 1060  
     has\_debug, 1060  
     has\_extract\_batch, 1060  
     has\_return\_media, 1060  
     internal\_default\_instance, 1061  
     IsInitialized, 1061  
     kAlgorithmIdFieldNumber, 1055  
     kAttributesFieldNumber, 1055  
     kDebugFieldNumber, 1055  
     kExtractBatchFieldNumber, 1055  
     kFlagFieldNumber, 1055  
     kIndexInFileMessages, 1066  
     kModalityFieldNumber, 1055

kReturnMediaFieldNumber, 1055  
MergeFrom, 1061  
modality, 1061  
mutable\_algorithm\_id, 1061  
mutable\_attributes, 1061  
mutable\_debug, 1062  
mutable\_extract\_batch, 1062  
mutable\_return\_media, 1062  
New, 1062  
operator=, 1062  
release\_algorithm\_id, 1062  
release\_debug, 1063  
release\_extract\_batch, 1063  
release\_return\_media, 1063  
return\_media, 1063  
set\_allocated\_algorithm\_id, 1063  
set\_allocated\_debug, 1063  
set\_allocated\_extract\_batch, 1063  
set\_allocated\_return\_media, 1064  
set\_flag, 1064  
set\_modality, 1064  
Swap, 1064  
swap, 1066  
unsafe\_arena\_release\_algorithm\_id, 1064  
unsafe\_arena\_release\_debug, 1064  
unsafe\_arena\_release\_extract\_batch, 1064  
unsafe\_arena\_release\_return\_media, 1065  
unsafe\_arena\_set\_allocated\_algorithm\_id, 1065  
unsafe\_arena\_set\_allocated\_debug, 1065  
unsafe\_arena\_set\_allocated\_extract\_batch, 1065  
unsafe\_arena\_set\_allocated\_return\_media, 1065  
UnsafeArenaSwap, 1065  
briar::ExtractOptions::\_Internal, 107  
    algorithm\_id, 107  
    debug, 107  
    extract\_batch, 107  
    return\_media, 108  
briar::ExtractOptionsDefaultTypeInternal, 1067  
    \_instance, 1068  
~ExtractOptionsDefaultTypeInternal, 1068  
ExtractOptionsDefaultTypeInternal, 1068  
briar::ExtractReply, 1069  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1084  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1084  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 1084  
    \_InternalParse, 1073  
    \_InternalSerialize, 1073  
    \_class\_data\_, 1084  
~ExtractReply, 1072  
add\_templates, 1073  
ByteSizeLong, 1073  
Clear, 1074  
clear\_detect\_reply, 1074  
clear\_durations, 1074  
clear\_errors, 1074  
    clear\_frame\_id, 1074  
    clear\_modality, 1074  
    clear\_progress, 1074  
    clear\_progress\_only\_reply, 1074  
    clear\_templates, 1075  
    clear\_track\_reply, 1075  
    CopyFrom, 1075  
    default\_instance, 1075  
    descriptor, 1075  
    detect\_reply, 1075  
    durations, 1075  
    errors, 1076  
    ExtractReply, 1072, 1073  
    frame\_id, 1076  
    GetCachedSize, 1076  
    GetClassData, 1076  
    GetDescriptor, 1076  
    GetMetadata, 1076  
    GetReflection, 1076  
    has\_detect\_reply, 1077  
    has\_durations, 1077  
    has\_errors, 1077  
    has\_progress, 1077  
    has\_track\_reply, 1077  
    internal\_default\_instance, 1077  
    IsInitialized, 1077  
    kDetectReplyFieldNumber, 1072  
    kDurationsFieldNumber, 1072  
    kErrorsFieldNumber, 1072  
    kFrameIdFieldNumber, 1072  
    kIndexInFileMessages, 1085  
    kModalityFieldNumber, 1072  
    kProgressFieldNumber, 1072  
    kProgressOnlyReplyFieldNumber, 1072  
    kTemplatesFieldNumber, 1072  
    kTrackReplyFieldNumber, 1072  
    MergeFrom, 1078  
    modality, 1078  
    mutable\_detect\_reply, 1078  
    mutable\_durations, 1078  
    mutable\_errors, 1078  
    mutable\_progress, 1078  
    mutable\_templates, 1078, 1079  
    mutable\_track\_reply, 1079  
    New, 1079  
    operator=, 1079  
    progress, 1079  
        progress\_only\_reply, 1079  
        release\_detect\_reply, 1080  
        release\_durations, 1080  
        release\_errors, 1080  
        release\_progress, 1080  
        release\_track\_reply, 1080  
    set\_allocated\_detect\_reply, 1080  
    set\_allocated\_durations, 1080  
    set\_allocated\_errors, 1081  
    set\_allocated\_progress, 1081  
    set\_allocated\_track\_reply, 1081

set\_frame\_id, 1081  
 set\_modality, 1081  
 set\_progress\_only\_reply, 1081  
 Swap, 1081  
 swap, 1084  
 templates, 1082  
 templates\_size, 1082  
 track\_reply, 1082  
 unsafe\_arena\_release\_detect\_reply, 1082  
 unsafe\_arena\_release\_durations, 1082  
 unsafe\_arena\_release\_errors, 1082  
 unsafe\_arena\_release\_progress, 1083  
 unsafe\_arena\_release\_track\_reply, 1083  
 unsafe\_arena\_set\_allocated\_detect\_reply, 1083  
 unsafe\_arena\_set\_allocated\_durations, 1083  
 unsafe\_arena\_set\_allocated\_errors, 1083  
 unsafe\_arena\_set\_allocated\_progress, 1083  
 unsafe\_arena\_set\_allocated\_track\_reply, 1083  
 UnsafeArenaSwap, 1084  
 briar::ExtractReply::\_Internal, 108  
   detect\_reply, 108  
   durations, 108  
   errors, 108  
   progress, 109  
   track\_reply, 109  
 briar::ExtractReplyDefaultTypeInternal, 1085  
   \_instance, 1086  
   ~ExtractReplyDefaultTypeInternal, 1086  
   ExtractReplyDefaultTypeInternal, 1086  
 briar::ExtractRequest, 1087  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1099  
   ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1099  
   ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 1099  
   \_InternalParse, 1090  
   \_InternalSerialize, 1091  
   \_class\_data\_, 1100  
   ~ExtractRequest, 1090  
   add\_detections, 1091  
   ByteSizeLong, 1091  
   Clear, 1091  
   clear\_detect\_options, 1091  
   clear\_detections, 1091  
   clear\_durations, 1091  
   clear\_extract\_options, 1092  
   clear\_media, 1092  
   CopyFrom, 1092  
   default\_instance, 1092  
   descriptor, 1092  
   detect\_options, 1092  
   detections, 1092, 1093  
   detections\_size, 1093  
   durations, 1093  
   extract\_options, 1093  
   ExtractRequest, 1090  
   GetCachedSize, 1093  
   GetClassData, 1093  
   GetDescriptor, 1093  
   GetMetadata, 1094  
   GetReflection, 1094  
   has\_detect\_options, 1094  
   has\_durations, 1094  
   has\_extract\_options, 1094  
   has\_media, 1094  
   internal\_default\_instance, 1094  
   IsInitialized, 1095  
   kDetectionsFieldNumber, 1089  
   kDetectOptionsFieldNumber, 1089  
   kDurationsFieldNumber, 1089  
   kExtractOptionsFieldNumber, 1089  
   kIndexInFileMessages, 1100  
   kMediaFieldNumber, 1089  
   media, 1095  
   MergeFrom, 1095  
   mutable\_detect\_options, 1095  
   mutable\_detections, 1095  
   mutable\_durations, 1095  
   mutable\_extract\_options, 1096  
   mutable\_media, 1096  
   New, 1096  
   operator=, 1096  
   release\_detect\_options, 1096  
   release\_durations, 1096  
   release\_extract\_options, 1097  
   release\_media, 1097  
   set\_allocated\_detect\_options, 1097  
   set\_allocated\_durations, 1097  
   set\_allocated\_extract\_options, 1097  
   set\_allocated\_media, 1097  
   Swap, 1097  
   Swap, 1099  
   unsafe\_arena\_release\_detect\_options, 1098  
   unsafe\_arena\_release\_durations, 1098  
   unsafe\_arena\_release\_extract\_options, 1098  
   unsafe\_arena\_release\_media, 1098  
   unsafe\_arena\_set\_allocated\_detect\_options, 1098  
   unsafe\_arena\_set\_allocated\_durations, 1098  
   unsafe\_arena\_set\_allocated\_extract\_options, 1098  
   unsafe\_arena\_set\_allocated\_media, 1099  
   UnsafeArenaSwap, 1099  
 briar::ExtractRequest::\_Internal, 109  
   detect\_options, 109  
   durations, 109  
   extract\_options, 110  
   media, 110  
 briar::ExtractRequestDefaultTypeInternal, 1100  
   \_instance, 1101  
   ~ExtractRequestDefaultTypeInternal, 1101  
   ExtractRequestDefaultTypeInternal, 1101  
 briar::FloatOption, 1102  
   ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1109

::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1109  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1109  
    \_InternalParse, 1105  
    \_InternalSerialize, 1105  
    \_class\_data\_, 1109  
    ~FloatOption, 1104  
    ByteSizeLong, 1105  
    Clear, 1105  
    clear\_override\_default, 1106  
    clear\_value, 1106  
    CopyFrom, 1106  
    default\_instance, 1106  
    descriptor, 1106  
    FloatOption, 1104, 1105  
    GetCachedSize, 1106  
    GetClassData, 1106  
    GetDescriptor, 1107  
    GetMetadata, 1107  
    GetReflection, 1107  
    internal\_default\_instance, 1107  
    IsInitialized, 1107  
    kIndexInFileMessages, 1110  
    kOverrideDefaultFieldNumber, 1104  
    kValueFieldNumber, 1104  
    MergeFrom, 1107  
    New, 1107  
    operator=, 1108  
    override\_default, 1108  
    set\_override\_default, 1108  
    set\_value, 1108  
    Swap, 1108  
    swap, 1109  
    UnsafeArenaSwap, 1108  
    value, 1109  
briar::FloatOption::\_Internal, 110  
briar::FloatOptionDefaultTypeInternal, 1110  
    \_instance, 1111  
    ~FloatOptionDefaultTypeInternal, 1111  
    FloatOptionDefaultTypeInternal, 1111  
briar::FrameMetadata, 1112  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1119  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1119  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1119  
        \_InternalParse, 1115  
        \_InternalSerialize, 1115  
        \_class\_data\_, 1120  
        ~FrameMetadata, 1115  
        add\_attributes, 1115  
        attributes, 1115, 1116  
        attributes\_size, 1116  
        ByteSizeLong, 1116  
        Clear, 1116  
        clear\_attributes, 1116  
    CopyFrom, 1116  
    default\_instance, 1116  
    descriptor, 1116  
    GetCachedSize, 1116  
    GetClassData, 1116  
    GetDescriptor, 1116  
    GetMetadata, 1116  
    GetReflection, 1116  
    internal\_default\_instance, 1116  
    IsInitialized, 1116  
    kIndexInFileMessages, 1116  
    kOverrideDefaultFieldNumber, 1116  
    kValueFieldNumber, 1116  
    MergeFrom, 1116  
    New, 1116  
    operator=, 1116  
    override\_default, 1116  
    UnsafeArenaSwap, 1116  
    value, 1116  
CopyFrom, 1116  
default\_instance, 1116  
descriptor, 1116  
FrameMetadata, 1114, 1115  
GetCachedSize, 1117  
GetClassData, 1117  
GetDescriptor, 1117  
GetMetadata, 1117  
GetReflection, 1117  
internal\_default\_instance, 1117  
IsInitialized, 1118  
kAttributesFieldNumber, 1114  
kIndexInFileMessages, 1120  
MergeFrom, 1118  
mutable\_attributes, 1118  
New, 1118  
operator=, 1118  
Swap, 1119  
swap, 1119  
UnsafeArenaSwap, 1119  
briar::FrameMetadata::\_Internal, 110  
briar::FrameMetadataDefaultTypeInternal, 1120  
    \_instance, 1121  
    ~FrameMetadataDefaultTypeInternal, 1121  
    FrameMetadataDefaultTypeInternal, 1121  
briar::IntOption, 1122  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1129  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1129  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1129  
        \_InternalParse, 1125  
        \_InternalSerialize, 1125  
        \_class\_data\_, 1129  
        ~IntOption, 1124  
        ByteSizeLong, 1125  
        Clear, 1125  
        clear\_override\_default, 1126  
        clear\_value, 1126  
        CopyFrom, 1126  
        default\_instance, 1126  
        descriptor, 1126  
        GetCachedSize, 1126  
        GetClassData, 1126  
        GetDescriptor, 1127  
        GetMetadata, 1127  
        GetReflection, 1127  
        internal\_default\_instance, 1127  
        IntOption, 1124, 1125  
        IsInitialized, 1127  
        kIndexInFileMessages, 1130  
        kOverrideDefaultFieldNumber, 1124  
        kValueFieldNumber, 1124  
        MergeFrom, 1127  
        New, 1127  
        operator=, 1128  
        override\_default, 1128

set\_override\_default, 1128  
 set\_value, 1128  
 Swap, 1128  
 swap, 1129  
 UnsafeArenaSwap, 1128  
 value, 1129  
**briar::IntOption::\_Internal**, 110  
**briar::IntOptionDefaultTypeInternal**, 1130  
 \_instance, 1131  
 ~IntOptionDefaultTypeInternal, 1131  
 IntOptionDefaultTypeInternal, 1131  
**briar::MediaMetadata**, 1143  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1152  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1152  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1152  
 \_InternalParse, 1147  
 \_InternalSerialize, 1147  
 \_class\_data\_, 1153  
 ~MediaMetadata, 1146  
 add\_attributes, 1147  
 add\_frame\_metadata, 1147  
 attributes, 1148  
 attributes\_size, 1148  
 ByteSizeLong, 1148  
 Clear, 1148  
 clear\_attributes, 1148  
 clear\_frame\_metadata, 1148  
 CopyFrom, 1149  
 default\_instance, 1149  
 descriptor, 1149  
 frame\_metadata, 1149  
 frame\_metadata\_size, 1149  
 GetCachedSize, 1149  
 GetClassData, 1150  
 GetDescriptor, 1150  
 GetMetadata, 1150  
 GetReflection, 1150  
 internal\_default\_instance, 1150  
 IsInitialized, 1150  
 kAttributesFieldNumber, 1146  
 kFrameMetadataFieldNumber, 1146  
 kIndexInFileMessages, 1153  
 MediaMetadata, 1146, 1147  
 MergeFrom, 1150  
 mutable\_attributes, 1151  
 mutable\_frame\_metadata, 1151  
 New, 1151  
 operator=, 1151  
 Swap, 1152  
 swap, 1152  
 UnsafeArenaSwap, 1152  
**briar::MediaMetadata::\_Internal**, 111  
**briar::MediaMetadataDefaultTypeInternal**, 1153  
 \_instance, 1154  
 ~MediaMetadataDefaultTypeInternal, 1154  
 MediaMetadataDefaultTypeInternal, 1154  
**briar::Record**, 1155  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1180  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1180  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1180  
 \_InternalParse, 1160  
 \_InternalSerialize, 1161  
 \_class\_data\_, 1181  
 ~Record, 1160  
 add\_attributes, 1161  
 add\_source\_id, 1161  
 algorithm, 1162  
 attributes, 1162  
 attributes\_size, 1162  
 ByteSizeLong, 1162  
 Clear, 1162  
 clear\_algorithm, 1162  
 clear\_attributes, 1163  
 clear\_database\_id, 1163  
 clear\_detection, 1163  
 clear\_entry\_id, 1163  
 clear\_entry\_type, 1163  
 clear\_media\_id, 1163  
 clear\_media\_previews, 1163  
 clear\_modality, 1163  
 clear\_name, 1164  
 clear\_notes, 1164  
 clear\_source, 1164  
 clear\_source\_id, 1164  
 clear\_subject\_id, 1164  
 clear\_subject\_previews, 1164  
 clear\_templates, 1164  
 clear\_tracklets, 1164  
 CopyFrom, 1165  
 database\_id, 1165  
 default\_instance, 1165  
 descriptor, 1165  
 detection, 1165  
 entry\_id, 1165  
 entry\_type, 1165  
 GetCachedSize, 1166  
 GetClassData, 1166  
 GetDescriptor, 1166  
 GetMetadata, 1166  
 GetReflection, 1166  
 has\_database\_id, 1166  
 has\_detection, 1166  
 internal\_default\_instance, 1167  
 IsInitialized, 1167  
 kAlgorithmFieldNumber, 1159  
 kAttributesFieldNumber, 1159  
 kDatabaseIdFieldNumber, 1159  
 kDetectionFieldNumber, 1159  
 kEntryIdFieldNumber, 1159  
 kEntryTypeFieldNumber, 1159

kIndexInFileMessages, 1181  
kMediaIdFieldNumber, 1159  
kMediaPreviewsFieldNumber, 1159  
kModalityFieldNumber, 1159  
kNameFieldNumber, 1159  
kNotesFieldNumber, 1159  
kSourceFieldNumber, 1159  
kSourceIdFieldNumber, 1159  
kSubjectIdFieldNumber, 1159  
kSubjectPreviewsFieldNumber, 1159  
kTemplatesFieldNumber, 1159  
kTrackletsFieldNumber, 1159  
media\_id, 1167  
media\_previews, 1167  
media\_previews\_size, 1167  
MergeFrom, 1167  
modality, 1167  
mutable\_algorithm, 1168  
mutable\_attributes, 1168  
mutable\_database\_id, 1168  
mutable\_detection, 1168  
mutable\_entry\_id, 1168  
mutable\_media\_id, 1168  
mutable\_media\_previews, 1169  
mutable\_name, 1169  
mutable\_notes, 1169  
mutable\_source, 1169  
mutable\_source\_id, 1169  
mutable\_subject\_id, 1169  
mutable\_subject\_previews, 1170  
mutable\_templates, 1170  
mutable\_tracklets, 1170  
name, 1170  
New, 1170  
notes, 1170  
operator=, 1170, 1171  
Record, 1160  
release\_algorithm, 1171  
release\_database\_id, 1171  
release\_detection, 1171  
release\_entry\_id, 1171  
release\_media\_id, 1171  
release\_name, 1171  
release\_notes, 1172  
release\_source, 1172  
release\_subject\_id, 1172  
release\_templates, 1172  
release\_tracklets, 1172  
set\_algorithm, 1172  
set\_allocated\_algorithm, 1173  
set\_allocated\_database\_id, 1173  
set\_allocated\_detection, 1173  
set\_allocated\_entry\_id, 1173  
set\_allocated\_media\_id, 1173  
set\_allocated\_name, 1173  
set\_allocated\_notes, 1173  
set\_allocated\_source, 1174  
set\_allocated\_subject\_id, 1174  
set\_allocated\_templates, 1174  
set\_allocated\_tracklets, 1174  
set\_entry\_id, 1174  
set\_entry\_type, 1175  
set\_media\_id, 1175  
set\_modality, 1175  
set\_name, 1175  
set\_notes, 1176  
set\_source, 1176  
set\_source\_id, 1176, 1177  
set\_subject\_id, 1177  
set\_templates, 1177  
set\_tracklets, 1178  
source, 1178  
source\_id, 1178  
source\_id\_size, 1178  
subject\_id, 1179  
subject\_previews, 1179  
subject\_previews\_size, 1179  
Swap, 1179  
swap, 1181  
templates, 1179  
tracklets, 1179  
unsafe\_arena\_release\_database\_id, 1179  
unsafe\_arena\_release\_detection, 1180  
unsafe\_arena\_set\_allocated\_database\_id, 1180  
unsafe\_arena\_set\_allocated\_detection, 1180  
UnsafeArenaSwap, 1180  
briar::Record::Internal, 111  
database\_id, 111  
detection, 111  
briar::Record\_MediaPreviewsEntry\_DoNotUse, 1182  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
    1184  
    GetMetadata, 1183  
    internal\_default\_instance, 1184  
    MergeFrom, 1184  
    Record\_MediaPreviewsEntry\_DoNotUse, 1183  
    SuperType, 1183  
    ValidateKey, 1184  
    ValidateValue, 1184  
briar::Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal,  
  1185  
  \_instance, 1186  
~Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal,  
  1185  
  Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal,  
    1185  
briar::Record\_SubjectPreviewsEntry\_DoNotUse, 1186  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
    1188  
    GetMetadata, 1188  
    internal\_default\_instance, 1188  
    MergeFrom, 1188  
    Record\_SubjectPreviewsEntry\_DoNotUse, 1187  
    SuperType, 1187  
    ValidateKey, 1188  
    ValidateValue, 1188

briar::Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternalTableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos, 1189  
 \_instance, 1190  
 ~Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternalTableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos, 1189  
 Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternalTableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos, 1189  
 briar::RecordDefaultTypeInternal, 1190  
 \_instance, 1191  
 ~RecordDefaultTypeInternal, 1191  
 RecordDefaultTypeInternal, 1191  
 briar::RecordList, 1192  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1199  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1199  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprotos, 1199  
 \_InternalParse, 1195  
 \_InternalSerialize, 1195  
 \_class\_data\_, 1200  
 ~RecordList, 1194  
 add\_records, 1195  
 ByteSizeLong, 1195  
 Clear, 1196  
 clear\_records, 1196  
 CopyFrom, 1196  
 default\_instance, 1196  
 descriptor, 1196  
 GetCachedSize, 1196  
 GetClassData, 1196  
 GetDescriptor, 1197  
 GetMetadata, 1197  
 GetReflection, 1197  
 internal\_default\_instance, 1197  
 IsInitialized, 1197  
 kIndexInFileMessages, 1200  
 kRecordsFieldNumber, 1194  
 MergeFrom, 1197  
 mutable\_records, 1197, 1198  
 New, 1198  
 operator=, 1198  
 RecordList, 1194, 1195  
 records, 1198  
 records\_size, 1198  
 Swap, 1199  
 swap, 1199  
 UnsafeArenaSwap, 1199  
 briar::RecordList::\_Internal, 111  
 briar::RecordListDefaultTypeInternal, 1200  
 \_instance, 1201  
 ~RecordListDefaultTypeInternal, 1201  
 RecordListDefaultTypeInternal, 1201  
 briar::SearchDatabaseReply, 1202  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1213  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1213  
 briar::SearchDatabaseReply::\_Internal, 111  
 errors, 112

progress, 112  
briar::SearchDatabaseReplyDefaultTypeInternal, 1214  
  \_instance, 1215  
  ~SearchDatabaseReplyDefaultTypeInternal, 1215  
  SearchDatabaseReplyDefaultTypeInternal, 1215  
briar::SearchDatabaseRequest, 1216  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1229  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1230  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 1230  
  \_InternalParse, 1220  
  \_InternalSerialize, 1220  
  \_class\_data\_, 1230  
  ~SearchDatabaseRequest, 1219  
  add\_probe\_entry\_ids, 1220, 1221  
  ByteSizeLong, 1221  
  Clear, 1221  
  clear\_database, 1221  
  clear\_durations, 1221  
  clear\_probe\_database, 1221  
  clear\_probe\_entry\_ids, 1221  
  clear\_search\_options, 1222  
  CopyFrom, 1222  
  database, 1222  
  default\_instance, 1222  
  descriptor, 1222  
  durations, 1222  
  GetCachedSize, 1222  
  GetClassData, 1223  
  GetDescriptor, 1223  
  GetMetadata, 1223  
  GetReflection, 1223  
  has\_database, 1223  
  has\_durations, 1223  
  has\_probe\_database, 1223  
  has\_search\_options, 1224  
  internal\_default\_instance, 1224  
  IsInitialized, 1224  
  kDatabaseFieldNumber, 1219  
  kDurationsFieldNumber, 1219  
  kIndexInFileMessages, 1230  
  kProbeDatabaseFieldNumber, 1219  
  kProbeEntryIdsFieldNumber, 1219  
  kSearchOptionsFieldNumber, 1219  
  MergeFrom, 1224  
  mutable\_database, 1224  
  mutable\_durations, 1224  
  mutable\_probe\_database, 1224  
  mutable\_probe\_entry\_ids, 1225  
  mutable\_search\_options, 1225  
  New, 1225  
  operator=, 1225  
  probe\_database, 1225  
  probe\_entry\_ids, 1226  
  probe\_entry\_ids\_size, 1226  
  release\_database, 1226  
  release\_durations, 1226  
  release\_probe\_database, 1226  
  release\_search\_options, 1226  
  search\_options, 1227  
  SearchDatabaseRequest, 1219  
  set\_allocated\_database, 1227  
  set\_allocated\_durations, 1227  
  set\_allocated\_probe\_database, 1227  
  set\_allocated\_search\_options, 1227  
  set\_probe\_entry\_ids, 1227, 1228  
  Swap, 1228  
  swap, 1230  
  unsafe\_arena\_release\_database, 1228  
  unsafe\_arena\_release\_durations, 1228  
  unsafe\_arena\_release\_probe\_database, 1228  
  unsafe\_arena\_release\_search\_options, 1228  
  unsafe\_arena\_set\_allocated\_database, 1229  
  unsafe\_arena\_set\_allocated\_durations, 1229  
  unsafe\_arena\_set\_allocated\_probe\_database, 1229  
  unsafe\_arena\_set\_allocated\_search\_options, 1229  
  UnsafeArenaSwap, 1229  
briar::SearchDatabaseRequest::\_Internal, 112  
  database, 112  
  durations, 112  
  probe\_database, 112  
  search\_options, 113  
briar::SearchDatabaseRequestDefaultTypeInternal, 1231  
  \_instance, 1232  
  ~SearchDatabaseRequestDefaultTypeInternal, 1231  
  SearchDatabaseRequestDefaultTypeInternal, 1231  
briar::SearchMatchInfo, 1232  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1252  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1252  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1252  
  \_InternalParse, 1237  
  \_InternalSerialize, 1237  
  \_class\_data\_, 1253  
  ~SearchMatchInfo, 1236  
  body, 1238  
  ByteSizeLong, 1238  
  Clear, 1238  
  clear\_body, 1238  
  clear\_entry\_id\_gallery, 1238  
  clear\_entry\_id\_probe, 1238  
  clear\_face, 1238  
  clear\_gate, 1239  
  clear\_integer\_subject\_id\_gallery, 1239  
  clear\_media\_id, 1239  
  clear\_score, 1239  
  clear\_subject\_id\_gallery, 1239  
  clear\_subject\_id\_probe, 1239

clear\_subject\_name, 1239  
 clear\_theoretical\_max, 1239  
 clear\_theoretical\_min, 1240  
 clear\_uses\_integer\_subject\_id\_gallery, 1240  
 CopyFrom, 1240  
 default\_instance, 1240  
 descriptor, 1240  
 entry\_id\_gallery, 1240  
 entry\_id\_probe, 1240  
 face, 1241  
 gate, 1241  
 GetCachedSize, 1241  
 GetClassData, 1241  
 GetDescriptor, 1241  
 GetMetadata, 1241  
 GetReflection, 1241  
 has\_body, 1242  
 has\_face, 1242  
 has\_gate, 1242  
 integer\_subject\_id\_gallery, 1242  
 internal\_default\_instance, 1242  
 IsInitialized, 1242  
 kBodyFieldNumber, 1236  
 kEntryIdGalleryFieldNumber, 1236  
 kEntryIdProbeFieldNumber, 1236  
 kFaceFieldNumber, 1236  
 kGateFieldNumber, 1236  
 kIndexInFileMessages, 1253  
 kIntegerSubjectIdGalleryFieldNumber, 1236  
 kMediaIdFieldNumber, 1236  
 kScoreFieldNumber, 1236  
 kSubjectIdGalleryFieldNumber, 1236  
 kSubjectIdProbeFieldNumber, 1236  
 kSubjectNameFieldNumber, 1236  
 kTheoreticalMaxFieldNumber, 1236  
 kTheoreticalMinFieldNumber, 1236  
 kUsesIntegerSubjectIdGalleryFieldNumber, 1236  
 media\_id, 1242  
 MergeFrom, 1243  
 mutable\_body, 1243  
 mutable\_entry\_id\_gallery, 1243  
 mutable\_entry\_id\_probe, 1243  
 mutable\_face, 1243  
 mutable\_gate, 1243  
 mutable\_media\_id, 1243  
 mutable\_subject\_id\_gallery, 1244  
 mutable\_subject\_id\_probe, 1244  
 mutable\_subject\_name, 1244  
 New, 1244  
 operator=, 1244  
 release\_body, 1244  
 release\_entry\_id\_gallery, 1245  
 release\_entry\_id\_probe, 1245  
 release\_face, 1245  
 release\_gate, 1245  
 release\_media\_id, 1245  
 release\_subject\_id\_gallery, 1245  
 release\_subject\_id\_probe, 1245

release\_subject\_name, 1245  
 score, 1246  
 SearchMatchInfo, 1236, 1237  
 set\_allocated\_body, 1246  
 set\_allocated\_entry\_id\_gallery, 1246  
 set\_allocated\_entry\_id\_probe, 1246  
 set\_allocated\_face, 1246  
 set\_allocated\_gate, 1246  
 set\_allocated\_media\_id, 1246  
 set\_allocated\_subject\_id\_gallery, 1247  
 set\_allocated\_subject\_id\_probe, 1247  
 set\_allocated\_subject\_name, 1247  
 set\_entry\_id\_gallery, 1247  
 set\_entry\_id\_probe, 1247, 1248  
 set\_integer\_subject\_id\_gallery, 1248  
 set\_media\_id, 1248  
 set\_score, 1248  
 set\_subject\_id\_gallery, 1248, 1249  
 set\_subject\_id\_probe, 1249  
 set\_subject\_name, 1249  
 set\_theoretical\_max, 1249  
 set\_theoretical\_min, 1250  
 set\_uses\_integer\_subject\_id\_gallery, 1250  
 subject\_id\_gallery, 1250  
 subject\_id\_probe, 1250  
 subject\_name, 1250  
 Swap, 1250  
 swap, 1252  
 theoretical\_max, 1250  
 theoretical\_min, 1251  
 unsafe\_arena\_release\_body, 1251  
 unsafe\_arena\_release\_face, 1251  
 unsafe\_arena\_release\_gate, 1251  
 unsafe\_arena\_set\_allocated\_body, 1251  
 unsafe\_arena\_set\_allocated\_face, 1251  
 unsafe\_arena\_set\_allocated\_gate, 1251  
 UnsafeArenaSwap, 1252  
 uses\_integer\_subject\_id\_gallery, 1252  
**briar::SearchMatchInfo::Internal**, 113  
 body, 113  
 face, 113  
 gate, 113  
**briar::SearchMatchInfoDefaultTypeInternal**, 1253  
 \_instance, 1254  
 $\sim$ **SearchMatchInfoDefaultTypeInternal**, 1254  
**SearchMatchInfoDefaultTypeInternal**, 1254  
**briar::SearchMatchList**, 1255  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1262  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1262  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1262  
 \_InternalParse, 1258  
 \_InternalSerialize, 1258  
 \_class\_data\_, 1263  
 $\sim$ **SearchMatchList**, 1257  
 add\_match\_list, 1258

ByteSizeLong, 1258  
Clear, 1259  
clear\_match\_list, 1259  
CopyFrom, 1259  
default\_instance, 1259  
descriptor, 1259  
GetCachedSize, 1259  
GetClassData, 1259  
GetDescriptor, 1260  
GetMetadata, 1260  
GetReflection, 1260  
internal\_default\_instance, 1260  
IsInitialized, 1260  
kIndexInFileMessages, 1263  
kMatchListFieldNumber, 1257  
match\_list, 1260  
match\_list\_size, 1261  
MergeFrom, 1261  
mutable\_match\_list, 1261  
New, 1261  
operator=, 1261  
SearchMatchList, 1257, 1258  
Swap, 1262  
swap, 1262  
UnsafeArenaSwap, 1262  
briar::SearchMatchList::\_Internal, 114  
briar::SearchMatchListDefaultTypeInternal, 1263  
\_instance, 1264  
~SearchMatchListDefaultTypeInternal, 1264  
SearchMatchListDefaultTypeInternal, 1264  
briar::SearchOptions, 1265  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1287  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1287  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto,  
1287  
\_InternalParse, 1270  
\_InternalSerialize, 1270  
\_class\_data\_, 1287  
~SearchOptions, 1269  
ByteSizeLong, 1270  
Clear, 1270  
clear\_flag, 1270  
clear\_full, 1271  
clear\_max\_results, 1271  
clear\_modality, 1271  
clear\_out\_dir, 1271  
clear\_output\_type, 1271  
clear\_probe\_database, 1271  
clear\_return\_matrix, 1271  
clear\_return\_media, 1271  
clear\_search\_batch, 1272  
clear\_search\_database, 1272  
clear\_search\_threshold, 1272  
clear\_use\_detections, 1272  
clear\_use\_templates, 1272  
CopyFrom, 1272  
default\_instance, 1272  
descriptor, 1273  
flag, 1273  
full, 1273  
GetCachedSize, 1273  
GetClassData, 1273  
GetDescriptor, 1273  
GetMetadata, 1273  
GetReflection, 1274  
has\_full, 1274  
has\_max\_results, 1274  
has\_out\_dir, 1274  
has\_output\_type, 1274  
has\_probe\_database, 1274  
has\_return\_matrix, 1274  
has\_return\_media, 1275  
has\_search\_batch, 1275  
has\_search\_database, 1275  
has\_search\_threshold, 1275  
has\_use\_detections, 1275  
has\_use\_templates, 1275  
internal\_default\_instance, 1275  
IsInitialized, 1275  
kFlagFieldNumber, 1269  
kFullFieldNumber, 1269  
kIndexInFileMessages, 1287  
kMaxResultsFieldNumber, 1269  
kModalityFieldNumber, 1269  
kOutDirFieldNumber, 1269  
kOutputTypeFieldNumber, 1269  
kProbeDatabaseFieldNumber, 1269  
kReturnMatrixFieldNumber, 1269  
kReturnMediaFieldNumber, 1269  
kSearchBatchFieldNumber, 1269  
kSearchDatabaseFieldNumber, 1269  
kSearchThresholdFieldNumber, 1269  
kUseDetectionsFieldNumber, 1269  
kUseTemplatesFieldNumber, 1269  
max\_results, 1276  
MergeFrom, 1276  
modality, 1276  
mutable\_full, 1276  
mutable\_max\_results, 1276  
mutable\_out\_dir, 1276  
mutable\_output\_type, 1276  
mutable\_probe\_database, 1277  
mutable\_return\_matrix, 1277  
mutable\_return\_media, 1277  
mutable\_search\_batch, 1277  
mutable\_search\_database, 1277  
mutable\_search\_threshold, 1277  
mutable\_use\_detections, 1277  
mutable\_use\_templates, 1277  
New, 1278  
operator=, 1278  
out\_dir, 1278  
output\_type, 1278  
probe\_database, 1278

release\_full, 1278  
 release\_max\_results, 1279  
 release\_out\_dir, 1279  
 release\_output\_type, 1279  
 release\_probe\_database, 1279  
 release\_return\_matrix, 1279  
 release\_return\_media, 1279  
 release\_search\_batch, 1279  
 release\_search\_database, 1279  
 release\_search\_threshold, 1280  
 release\_use\_detections, 1280  
 release\_use\_templates, 1280  
 return\_matrix, 1280  
 return\_media, 1280  
 search\_batch, 1280  
 search\_database, 1280  
 search\_threshold, 1280  
 SearchOptions, 1269, 1270  
 set\_allocated\_full, 1281  
 set\_allocated\_max\_results, 1281  
 set\_allocated\_out\_dir, 1281  
 set\_allocated\_output\_type, 1281  
 set\_allocated\_probe\_database, 1281  
 set\_allocated\_return\_matrix, 1281  
 set\_allocated\_return\_media, 1281  
 set\_allocated\_search\_batch, 1282  
 set\_allocated\_search\_database, 1282  
 set\_allocated\_search\_threshold, 1282  
 set\_allocated\_use\_detections, 1282  
 set\_allocated\_use\_templates, 1282  
 set\_flag, 1282  
 set\_modality, 1282  
 Swap, 1283  
 swap, 1287  
 unsafe\_arena\_release\_full, 1283  
 unsafe\_arena\_release\_max\_results, 1283  
 unsafe\_arena\_release\_out\_dir, 1283  
 unsafe\_arena\_release\_output\_type, 1283  
 unsafe\_arena\_release\_probe\_database, 1283  
 unsafe\_arena\_release\_return\_matrix, 1283  
 unsafe\_arena\_release\_return\_media, 1284  
 unsafe\_arena\_release\_search\_batch, 1284  
 unsafe\_arena\_release\_search\_database, 1284  
 unsafe\_arena\_release\_search\_threshold, 1284  
 unsafe\_arena\_release\_use\_detections, 1284  
 unsafe\_arena\_release\_use\_templates, 1284  
 unsafe\_arena\_set\_allocated\_full, 1284  
 unsafe\_arena\_set\_allocated\_max\_results, 1284  
 unsafe\_arena\_set\_allocated\_out\_dir, 1285  
 unsafe\_arena\_set\_allocated\_output\_type, 1285  
 unsafe\_arena\_set\_allocated\_probe\_database, 1285  
 unsafe\_arena\_set\_allocated\_return\_matrix, 1285  
 unsafe\_arena\_set\_allocated\_return\_media, 1285  
 unsafe\_arena\_set\_allocated\_search\_batch, 1285  
 unsafe\_arena\_set\_allocated\_search\_database, 1285  
 unsafe\_arena\_set\_allocated\_search\_threshold, 1286  
 unsafe\_arena\_set\_allocated\_use\_detections, 1286  
 unsafe\_arena\_set\_allocated\_use\_templates, 1286  
 UnsafeArenaSwap, 1286  
 use\_detections, 1286  
 use\_templates, 1286  
 briar::SearchOptions::\_Internal, 114  
 full, 114  
 max\_results, 114  
 out\_dir, 115  
 output\_type, 115  
 probe\_database, 115  
 return\_matrix, 115  
 return\_media, 115  
 search\_batch, 115  
 search\_database, 115  
 search\_threshold, 116  
 use\_detections, 116  
 use\_templates, 116  
 briar::SearchOptionsDefaultTypeInternal, 1288  
 \_instance, 1289  
 ~SearchOptionsDefaultTypeInternal, 1289  
 SearchOptionsDefaultTypeInternal, 1289  
 briar::SearchReply, 1290  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1305  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1305  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot, 1305  
 \_InternalParse, 1294  
 \_InternalSerialize, 1294  
 \_class\_data\_, 1306  
 ~SearchReply, 1293  
 add\_probe\_detections, 1294  
 add\_similarities, 1294  
 ByteSizeLong, 1295  
 Clear, 1295  
 clear\_detect\_reply, 1295  
 clear\_durations, 1295  
 clear\_errors, 1295  
 clear\_extract\_reply, 1295  
 clear\_probe\_detections, 1295  
 clear\_progress, 1295  
 clear\_progress\_only\_reply, 1296  
 clear\_similarities, 1296  
 CopyFrom, 1296  
 default\_instance, 1296  
 descriptor, 1296  
 detect\_reply, 1296  
 durations, 1296  
 errors, 1297  
 extract\_reply, 1297  
 GetCachedSize, 1297  
 GetClassData, 1297  
 GetDescriptor, 1297

GetMetadata, 1297  
GetReflection, 1297  
has\_detect\_reply, 1298  
has\_durations, 1298  
has\_errors, 1298  
has\_extract\_reply, 1298  
has\_progress, 1298  
internal\_default\_instance, 1298  
IsInitialized, 1298  
kDetectReplyFieldNumber, 1293  
kDurationsFieldNumber, 1293  
kErrorsFieldNumber, 1293  
kExtractReplyFieldNumber, 1293  
kIndexInFileMessages, 1306  
kProbeDetectionsFieldNumber, 1293  
kProgressFieldNumber, 1293  
kProgressOnlyReplyFieldNumber, 1293  
kSimilaritiesFieldNumber, 1293  
MergeFrom, 1299  
mutable\_detect\_reply, 1299  
mutable\_durations, 1299  
mutable\_errors, 1299  
mutable\_extract\_reply, 1299  
mutable\_probe\_detections, 1299  
mutable\_progress, 1300  
mutable\_similarities, 1300  
New, 1300  
operator=, 1300  
probe\_detections, 1300, 1301  
probe\_detections\_size, 1301  
progress, 1301  
progress\_only\_reply, 1301  
release\_detect\_reply, 1301  
release\_durations, 1301  
release\_errors, 1301  
release\_extract\_reply, 1302  
release\_progress, 1302  
SearchReply, 1293, 1294  
set\_allocated\_detect\_reply, 1302  
set\_allocated\_durations, 1302  
set\_allocated\_errors, 1302  
set\_allocated\_extract\_reply, 1302  
set\_allocated\_progress, 1302  
set\_progress\_only\_reply, 1303  
similarities, 1303  
similarities\_size, 1303  
Swap, 1303  
swap, 1305  
unsafe\_arena\_release\_detect\_reply, 1303  
unsafe\_arena\_release\_durations, 1303  
unsafe\_arena\_release\_errors, 1304  
unsafe\_arena\_release\_extract\_reply, 1304  
unsafe\_arena\_release\_progress, 1304  
unsafe\_arena\_set\_allocated\_detect\_reply, 1304  
unsafe\_arena\_set\_allocated\_durations, 1304  
unsafe\_arena\_set\_allocated\_errors, 1304  
unsafe\_arena\_set\_allocated\_extract\_reply, 1304  
unsafe\_arena\_set\_allocated\_progress, 1305

UnsafeArenaSwap, 1305  
briar::SearchReply::\_Internal, 116  
detect\_reply, 116  
durations, 117  
errors, 117  
extract\_reply, 117  
progress, 117  
briar::SearchReplyDefaultTypeInternal, 1306  
\_instance, 1307  
~SearchReplyDefaultTypeInternal, 1307  
SearchReplyDefaultTypeInternal, 1307  
briar::SearchRequest, 1308  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1324  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1324  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
1324  
\_InternalParse, 1312  
\_InternalSerialize, 1312  
\_class\_data\_, 1324  
~SearchRequest, 1311  
add\_detections, 1312  
ByteSizeLong, 1313  
Clear, 1313  
clear\_database, 1313  
clear\_detect\_options, 1313  
clear\_detections, 1313  
clear\_durations, 1313  
clear\_extract\_options, 1313  
clear\_media, 1313  
clear\_probes, 1314  
clear\_search\_options, 1314  
CopyFrom, 1314  
database, 1314  
default\_instance, 1314  
descriptor, 1314  
detect\_options, 1314  
detections, 1315  
detections\_size, 1315  
durations, 1315  
extract\_options, 1315  
GetCachedSize, 1315  
GetClassData, 1315  
GetDescriptor, 1316  
GetMetadata, 1316  
GetReflection, 1316  
has\_database, 1316  
has\_detect\_options, 1316  
has\_durations, 1316  
has\_extract\_options, 1316  
has\_media, 1317  
has\_probes, 1317  
has\_search\_options, 1317  
internal\_default\_instance, 1317  
IsInitialized, 1317  
kDatabaseFieldNumber, 1311  
kDetectionsFieldNumber, 1311

kDetectOptionsFieldNumber, 1311  
kDurationsFieldNumber, 1311  
kExtractOptionsFieldNumber, 1311  
kIndexInFileMessages, 1325  
kMediaFieldNumber, 1311  
kProbesFieldNumber, 1311  
kSearchOptionsFieldNumber, 1311  
media, 1317  
MergeFrom, 1317  
mutable\_database, 1318  
mutable\_detect\_options, 1318  
mutable\_detections, 1318  
mutable\_durations, 1318  
mutable\_extract\_options, 1318  
mutable\_media, 1318  
mutable\_probes, 1319  
mutable\_search\_options, 1319  
New, 1319  
operator=, 1319  
probes, 1319  
release\_database, 1319  
release\_detect\_options, 1320  
release\_durations, 1320  
release\_extract\_options, 1320  
release\_media, 1320  
release\_probes, 1320  
release\_search\_options, 1320  
search\_options, 1320  
SearchRequest, 1311, 1312  
set\_allocated\_database, 1320  
set\_allocated\_detect\_options, 1321  
set\_allocated\_durations, 1321  
set\_allocated\_extract\_options, 1321  
set\_allocated\_media, 1321  
set\_allocated\_probes, 1321  
set\_allocated\_search\_options, 1321  
Swap, 1321  
swap, 1324  
unsafe\_arena\_release\_database, 1322  
unsafe\_arena\_release\_detect\_options, 1322  
unsafe\_arena\_release\_durations, 1322  
unsafe\_arena\_release\_extract\_options, 1322  
unsafe\_arena\_release\_media, 1322  
unsafe\_arena\_release\_probes, 1322  
unsafe\_arena\_release\_search\_options, 1322  
unsafe\_arena\_set\_allocated\_database, 1323  
unsafe\_arena\_set\_allocated\_detect\_options, 1323  
unsafe\_arena\_set\_allocated\_durations, 1323  
unsafe\_arena\_set\_allocated\_extract\_options,  
    1323  
unsafe\_arena\_set\_allocated\_media, 1323  
unsafe\_arena\_set\_allocated\_probes, 1323  
unsafe\_arena\_set\_allocated\_search\_options,  
    1323  
UnsafeArenaSwap, 1324  
briar::SearchRequest::\_Internal, 117  
    database, 118  
    detect\_options, 118  
    durations, 118  
    extract\_options, 118  
    media, 118  
    probes, 118  
    search\_options, 118  
briar::SearchRequestDefaultTypeInternal, 1325  
    \_instance, 1326  
    ~SearchRequestDefaultTypeInternal, 1326  
    SearchRequestDefaultTypeInternal, 1326  
briar::StatusReply, 1327  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        1341  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        1341  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
        1341  
    \_InternalParse, 1331  
    \_InternalSerialize, 1331  
    \_class\_data\_, 1341  
    ~StatusReply, 1330  
    add\_configuration, 1331  
    api\_version, 1331  
    ByteSizeLong, 1331  
    Clear, 1331  
    clear\_api\_version, 1332  
    clear\_configuration, 1332  
    clear\_dev\_short, 1332  
    clear\_developer\_name, 1332  
    clear\_service\_name, 1332  
    clear\_status, 1332  
    clear\_version, 1332  
    configuration, 1332, 1333  
    configuration\_size, 1333  
    CopyFrom, 1333  
    default\_instance, 1333  
    descriptor, 1333  
    dev\_short, 1333  
    developer\_name, 1333  
    GetCachedSize, 1334  
    GetClassData, 1334  
    GetDescriptor, 1334  
    GetMetadata, 1334  
    GetReflection, 1334  
    has\_api\_version, 1334  
    has\_version, 1334  
    internal\_default\_instance, 1335  
    IsInitialized, 1335  
    kApiVersionFieldNumber, 1330  
    kConfigurationFieldNumber, 1330  
    kDeveloperNameFieldNumber, 1330  
    kDevShortFieldNumber, 1330  
    kIndexInFileMessages, 1341  
    kServiceNameFieldNumber, 1330  
    kStatusFieldNumber, 1330  
    kVersionFieldNumber, 1330  
    MergeFrom, 1335  
    mutable\_api\_version, 1335  
    mutable\_configuration, 1335

mutable\_dev\_short, 1335  
mutable\_developer\_name, 1336  
mutable\_service\_name, 1336  
mutable\_version, 1336  
New, 1336  
operator=, 1336  
release\_api\_version, 1336  
release\_dev\_short, 1337  
release\_developer\_name, 1337  
release\_service\_name, 1337  
release\_version, 1337  
service\_name, 1337  
set\_allocated\_api\_version, 1337  
set\_allocated\_dev\_short, 1337  
set\_allocated\_developer\_name, 1338  
set\_allocated\_service\_name, 1338  
set\_allocated\_version, 1338  
set\_dev\_short, 1338  
set\_developer\_name, 1338, 1339  
set\_service\_name, 1339  
set\_status, 1339  
status, 1339  
StatusReply, 1330  
Swap, 1339  
swap, 1341  
unsafe\_arena\_release\_api\_version, 1340  
unsafe\_arena\_release\_version, 1340  
unsafe\_arena\_set\_allocated\_api\_version, 1340  
unsafe\_arena\_set\_allocated\_version, 1340  
UnsafeArenaSwap, 1340  
version, 1340  
briar::StatusReply::\_Internal, 119  
api\_version, 119  
version, 119  
briar::StatusReplyDefaultTypeInternal, 1342  
\_instance, 1343  
~StatusReplyDefaultTypeInternal, 1343  
StatusReplyDefaultTypeInternal, 1343  
briar::StatusRequest, 1344  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1348  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1348  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
1348  
\_class\_data\_, 1349  
CopyFrom, 1346  
default\_instance, 1346  
descriptor, 1346  
GetClassData, 1346  
GetDescriptor, 1346  
GetMetadata, 1347  
GetReflection, 1347  
internal\_default\_instance, 1347  
kIndexInFileMessages, 1349  
MergeFrom, 1347  
New, 1347  
operator=, 1347  
StatusRequest, 1345, 1346  
Swap, 1348  
swap, 1348  
UnsafeArenaSwap, 1348  
briar::StatusRequest::\_Internal, 119  
briar::StatusRequestDefaultTypeInternal, 1349  
\_instance, 1350  
~StatusRequestDefaultTypeInternal, 1350  
StatusRequestDefaultTypeInternal, 1350  
briar::StringOption, 1351  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1358  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1359  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
1359  
\_InternalParse, 1354  
\_InternalSerialize, 1354  
\_class\_data\_, 1359  
~StringOption, 1353  
ByteSizeLong, 1354  
Clear, 1354  
clear\_override\_default, 1355  
clear\_value, 1355  
CopyFrom, 1355  
default\_instance, 1355  
descriptor, 1355  
GetCachedSize, 1355  
GetClassData, 1355  
GetDescriptor, 1356  
GetMetadata, 1356  
GetReflection, 1356  
internal\_default\_instance, 1356  
IsInitialized, 1356  
kIndexInFileMessages, 1359  
kOverrideDefaultFieldNumber, 1353  
kValueFieldNumber, 1353  
MergeFrom, 1356  
mutable\_value, 1356  
New, 1357  
operator=, 1357  
override\_default, 1357  
release\_value, 1357  
set\_allocated\_value, 1357  
set\_override\_default, 1357  
set\_value, 1358  
StringOption, 1353, 1354  
Swap, 1358  
swap, 1359  
UnsafeArenaSwap, 1358  
value, 1358  
briar::StringOption::\_Internal, 120  
briar::StringOptionDefaultTypeInternal, 1360  
\_instance, 1361  
~StringOptionDefaultTypeInternal, 1360  
StringOptionDefaultTypeInternal, 1360  
briar::Template, 1363

::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1377  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1378  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1378  
  \_InternalParse, 1367  
  \_InternalSerialize, 1367  
  \_class\_data\_, 1378  
~Template, 1366  
add\_metadata, 1367  
add\_parts, 1367  
algorithm, 1368  
associated\_detection\_id, 1368  
associated\_tracklet\_id, 1368  
buffer, 1368  
ByteSizeLong, 1368  
Clear, 1368  
clear\_algorithm, 1368  
clear\_associated\_detection\_id, 1368  
clear\_associated\_tracklet\_id, 1369  
clear\_buffer, 1369  
clear\_data, 1369  
clear\_id, 1369  
clear\_metadata, 1369  
clear\_modality, 1369  
clear\_parts, 1369  
CopyFrom, 1369  
data, 1370  
default\_instance, 1370  
descriptor, 1370  
GetCachedSize, 1370  
GetClassData, 1370  
GetDescriptor, 1370  
GetMetadata, 1370  
GetReflection, 1371  
has\_data, 1371  
id, 1371  
internal\_default\_instance, 1371  
IsInitialized, 1371  
kAlgorithmFieldNumber, 1366  
kAssociatedDetectionIdFieldNumber, 1366  
kAssociatedTrackletIdFieldNumber, 1366  
kBufferFieldNumber, 1366  
kDataFieldNumber, 1366  
kIdFieldNumber, 1366  
kIndexInFileMessages, 1378  
kMetadataFieldNumber, 1366  
kModalityFieldNumber, 1366  
kPartsFieldNumber, 1366  
MergeFrom, 1371  
metadata, 1371, 1372  
metadata\_size, 1372  
modality, 1372  
mutable\_algorithm, 1372  
mutable\_buffer, 1372  
mutable\_data, 1372  
mutable\_id, 1372  
mutable\_metadata, 1373  
mutable\_parts, 1373  
New, 1373  
operator=, 1373  
parts, 1374  
parts\_size, 1374  
release\_algorithm, 1374  
release\_buffer, 1374  
release\_data, 1374  
release\_id, 1374  
set\_algorithm, 1375  
set\_allocated\_algorithm, 1375  
set\_allocated\_buffer, 1375  
set\_allocated\_data, 1375  
set\_allocated\_id, 1375  
set\_associated\_detection\_id, 1376  
set\_associated\_tracklet\_id, 1376  
set\_buffer, 1376  
set\_id, 1376  
set\_modality, 1377  
Swap, 1377  
swap, 1378  
Template, 1366, 1367  
unsafe\_arena\_release\_data, 1377  
unsafe\_arena\_set\_allocated\_data, 1377  
UnsafeArenaSwap, 1377  
briar::Template::Internal, 120  
  data, 120  
briar::TemplateData, 1379  
  ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1392  
  ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1393  
  ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1393  
    \_InternalParse, 1383  
    \_InternalSerialize, 1383  
    \_class\_data\_, 1393  
  ~TemplateData, 1382  
  add\_metadata, 1383  
  ByteSizeLong, 1383  
  Clear, 1383  
  clear\_description, 1384  
  clear\_key, 1384  
  clear\_metadata, 1384  
  clear\_modality, 1384  
  clear\_source\_id, 1384  
  clear\_submodality, 1384  
  clear\_tracklet\_id, 1384  
  CopyFrom, 1384  
  default\_instance, 1385  
  description, 1385  
  descriptor, 1385  
  GetCachedSize, 1385  
  GetClassData, 1385  
  GetDescriptor, 1385  
  GetMetadata, 1385  
  GetReflection, 1386

internal\_default\_instance, 1386  
IsInitialized, 1386  
kDescriptionFieldNumber, 1382  
key, 1386  
kIndexInFileMessages, 1393  
kKeyFieldNumber, 1382  
kMetadataFieldNumber, 1382  
kModalityFieldNumber, 1382  
kSourceIdFieldNumber, 1382  
kSubmodalityFieldNumber, 1382  
kTrackletIdFieldNumber, 1382  
MergeFrom, 1386  
metadata, 1386  
metadata\_size, 1387  
modality, 1387  
mutable\_description, 1387  
mutable\_key, 1387  
mutable\_metadata, 1387  
mutable\_source\_id, 1387  
mutable\_submodality, 1388  
mutable\_tracklet\_id, 1388  
New, 1388  
operator=, 1388  
release\_description, 1388  
release\_key, 1388  
release\_source\_id, 1389  
release\_submodality, 1389  
release\_tracklet\_id, 1389  
set\_allocated\_description, 1389  
set\_allocated\_key, 1389  
set\_allocated\_source\_id, 1389  
set\_allocated\_submodality, 1389  
set\_allocated\_tracklet\_id, 1390  
set\_description, 1390  
set\_key, 1390  
set\_modality, 1390  
set\_source\_id, 1391  
set\_submodality, 1391  
set\_tracklet\_id, 1391  
source\_id, 1392  
submodality, 1392  
Swap, 1392  
swap, 1393  
TemplateData, 1382, 1383  
tracklet\_id, 1392  
UnsafeArenaSwap, 1392  
briar::TemplateData::\_Internal, 120  
briar::TemplateDataDefaultTypeInternal, 1394  
\_instance, 1395  
~TemplateDataDefaultTypeInternal, 1394  
TemplateDataDefaultTypeInternal, 1394  
briar::TemplateDefaultTypeInternal, 1395  
\_instance, 1396  
~TemplateDefaultTypeInternal, 1396  
TemplateDefaultTypeInternal, 1396  
briar::TemplateIds, 1397  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1406  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1406  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto, 1406  
\_InternalParse, 1400  
\_InternalSerialize, 1400  
\_class\_data\_, 1406  
~TemplateIds, 1399  
add\_ids, 1400, 1401  
ByteSizeLong, 1401  
Clear, 1401  
clear\_ids, 1401  
clear\_length, 1402  
CopyFrom, 1402  
default\_instance, 1402  
descriptor, 1402  
GetCachedSize, 1402  
GetClassData, 1402  
GetDescriptor, 1402  
GetMetadata, 1403  
GetReflection, 1403  
ids, 1403  
ids\_size, 1403  
internal\_default\_instance, 1403  
IsInitialized, 1403  
kldsFieldNumber, 1399  
kIndexInFileMessages, 1407  
kLengthFieldNumber, 1399  
length, 1404  
MergeFrom, 1404  
mutable\_ids, 1404  
New, 1404  
operator=, 1404  
set\_ids, 1405  
set\_length, 1405  
Swap, 1405  
swap, 1406  
TemplateIds, 1399, 1400  
UnsafeArenaSwap, 1406  
briar::TemplateIds::\_Internal, 120  
briar::TemplateIdsDefaultTypeInternal, 1407  
\_instance, 1408  
~TemplateIdsDefaultTypeInternal, 1408  
TemplateIdsDefaultTypeInternal, 1408  
briar::TemplateImageInput, 1409  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1417  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1417  
::TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto, 1417  
\_InternalParse, 1412  
\_InternalSerialize, 1412  
\_class\_data\_, 1418  
~TemplateImageInput, 1411  
add\_detections, 1412  
ByteSizeLong, 1412  
Clear, 1413

clear\_detections, 1413  
 clear\_im, 1413  
 CopyFrom, 1413  
 default\_instance, 1413  
 descriptor, 1413  
 detections, 1413, 1414  
 detections\_size, 1414  
 GetCachedSize, 1414  
 GetClassData, 1414  
 GetDescriptor, 1414  
 GetMetadata, 1414  
 GetReflection, 1414  
 has\_im, 1415  
 im, 1415  
 internal\_default\_instance, 1415  
 IsInitialized, 1415  
 kDetectionsFieldNumber, 1411  
 kImFieldNumber, 1411  
 kIndexInFileMessages, 1418  
 MergeFrom, 1415  
 mutable\_detections, 1415  
 mutable\_im, 1416  
 New, 1416  
 operator=, 1416  
 release\_im, 1416  
 set\_allocated\_im, 1416  
 Swap, 1416  
 swap, 1417  
 TemplateImageInput, 1411, 1412  
 unsafe\_arena\_release\_im, 1417  
 unsafe\_arena\_set\_allocated\_im, 1417  
 UnsafeArenaSwap, 1417  
**briar::TemplateImageInput::Internal**, 120  
 im, 121  
**briar::TemplateImageInputDefaultTypeInternal**, 1419  
 \_instance, 1420  
 ~TemplateImageInputDefaultTypeInternal, 1419  
 TemplateImageInputDefaultTypeInternal, 1419  
**briar::TemplateList**, 1420  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1427  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1427  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprotos, 1428  
 \_InternalParse, 1423  
 \_InternalSerialize, 1423  
 \_class\_data\_, 1428  
 ~TemplateList, 1422  
 add\_tmpls, 1424  
 ByteSizeLong, 1424  
 Clear, 1424  
 clear\_tmpls, 1424  
 CopyFrom, 1424  
 default\_instance, 1424  
 descriptor, 1424  
 GetCachedSize, 1425  
 GetClassData, 1425  
 GetDescriptor, 1425  
 GetMetadata, 1425  
 GetReflection, 1425  
 internal\_default\_instance, 1425  
 IsInitialized, 1425  
 kIndexInFileMessages, 1428  
 kTmplsFieldNumber, 1422  
 MergeFrom, 1426  
 mutable\_tmpls, 1426  
 New, 1426  
 operator=, 1426  
 Swap, 1426  
 swap, 1428  
 TemplateList, 1422, 1423  
 tmpls, 1427  
 tmpls\_size, 1427  
 UnsafeArenaSwap, 1427  
**briar::TemplateList::Internal**, 121  
**briar::TemplateListDefaultTypeInternal**, 1429  
 \_instance, 1430  
 ~TemplateListDefaultTypeInternal, 1429  
 TemplateListDefaultTypeInternal, 1429  
**briar::TemplateListGroup**, 1430  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1437  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1437  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprotos, 1438  
 \_InternalParse, 1433  
 \_InternalSerialize, 1433  
 \_class\_data\_, 1438  
 ~TemplateListGroup, 1432  
 add\_group, 1434  
 ByteSizeLong, 1434  
 Clear, 1434  
 clear\_group, 1434  
 CopyFrom, 1434  
 default\_instance, 1434  
 descriptor, 1434  
 GetCachedSize, 1435  
 GetClassData, 1435  
 GetDescriptor, 1435  
 GetMetadata, 1435  
 GetReflection, 1435  
 group, 1435  
 group\_size, 1436  
 internal\_default\_instance, 1436  
 IsInitialized, 1436  
 kGroupFieldNumber, 1432  
 kIndexInFileMessages, 1438  
 MergeFrom, 1436  
 mutable\_group, 1436  
 New, 1436  
 operator=, 1437  
 Swap, 1437  
 swap, 1438  
 TemplateListGroup, 1432, 1433

UnsafeArenaSwap, 1437  
briar::TemplateListGroup::\_Internal, 121  
briar::TemplateListGroupDefaultTypeInternal, 1439  
    \_instance, 1440  
    ~TemplateListGroupDefaultTypeInternal, 1439  
    TemplateListGroupDefaultTypeInternal, 1439  
briar::TrackingOptions, 1440  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1454  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1454  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1455  
        \_InternalParse, 1444  
        \_InternalSerialize, 1445  
        \_class\_data\_, 1455  
    ~TrackingOptions, 1444  
    add\_attributes, 1445  
    algorithm\_id, 1445  
    attributes, 1445  
    attributes\_size, 1445  
    ByteSizeLong, 1445  
    Clear, 1446  
    clear\_algorithm\_id, 1446  
    clear\_attributes, 1446  
    clear\_modality, 1446  
    clear\_return\_media, 1446  
    clear\_threshold, 1446  
    clear\_tracking\_batch, 1446  
    clear\_tracking\_disable, 1446  
    CopyFrom, 1447  
    default\_instance, 1447  
    descriptor, 1447  
    GetCachedSize, 1447  
    GetClassData, 1447  
    GetDescriptor, 1447  
    GetMetadata, 1447  
    GetReflection, 1448  
    has\_algorithm\_id, 1448  
    has\_return\_media, 1448  
    has\_threshold, 1448  
    has\_tracking\_batch, 1448  
    has\_tracking\_disable, 1448  
    internal\_default\_instance, 1448  
    IsInitialized, 1449  
    kAlgorithmIdFieldNumber, 1443  
    kAttributesFieldNumber, 1443  
    kIndexInFileMessages, 1455  
    kModalityFieldNumber, 1443  
    kReturnMediaFieldNumber, 1443  
    kThresholdFieldNumber, 1443  
    kTrackingBatchFieldNumber, 1443  
    kTrackingDisableFieldNumber, 1443  
    MergeFrom, 1449  
    modality, 1449  
    mutable\_algorithm\_id, 1449  
    mutable\_attributes, 1449  
    mutable\_return\_media, 1449  
mutable\_threshold, 1450  
mutable\_tracking\_batch, 1450  
mutable\_tracking\_disable, 1450  
New, 1450  
operator=, 1450  
release\_algorithm\_id, 1450  
release\_return\_media, 1451  
release\_threshold, 1451  
release\_tracking\_batch, 1451  
release\_tracking\_disable, 1451  
return\_media, 1451  
set\_allocated\_algorithm\_id, 1451  
set\_allocated\_return\_media, 1451  
set\_allocated\_threshold, 1452  
set\_allocated\_tracking\_batch, 1452  
set\_allocated\_tracking\_disable, 1452  
set\_modality, 1452  
Swap, 1452  
swap, 1455  
threshold, 1452  
tracking\_batch, 1452  
tracking\_disable, 1453  
TrackingOptions, 1443, 1444  
unsafe\_arena\_release\_algorithm\_id, 1453  
unsafe\_arena\_release\_return\_media, 1453  
unsafe\_arena\_release\_threshold, 1453  
unsafe\_arena\_release\_tracking\_batch, 1453  
unsafe\_arena\_release\_tracking\_disable, 1453  
unsafe\_arena\_set\_allocated\_algorithm\_id, 1453  
unsafe\_arena\_set\_allocated\_return\_media, 1453  
unsafe\_arena\_set\_allocated\_threshold, 1454  
unsafe\_arena\_set\_allocated\_tracking\_batch, 1454  
unsafe\_arena\_set\_allocated\_tracking\_disable, 1454  
UnsafeArenaSwap, 1454  
briar::TrackingOptions::\_Internal, 121  
    algorithm\_id, 121  
    return\_media, 122  
    threshold, 122  
    tracking\_batch, 122  
    tracking\_disable, 122  
briar::TrackingOptionsDefaultTypeInternal, 1456  
    \_instance, 1457  
    ~TrackingOptionsDefaultTypeInternal, 1456  
    TrackingOptionsDefaultTypeInternal, 1456  
briar::Tracklet, 1457  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1469  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1469  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1469  
        \_InternalParse, 1461  
        \_InternalSerialize, 1461  
        \_class\_data\_, 1469  
    ~Tracklet, 1460  
    add\_attributes, 1461  
    add\_detections, 1461

attributes, 1462  
 attributes\_size, 1462  
 ByteSizeLong, 1462  
 Clear, 1462  
 clear\_attributes, 1462  
 clear\_detections, 1462  
 clear\_options, 1463  
 clear\_tracklet\_class, 1463  
 clear\_tracklet\_id, 1463  
 CopyFrom, 1463  
 default\_instance, 1463  
 descriptor, 1463  
 detections, 1463, 1464  
 detections\_size, 1464  
 GetCachedSize, 1464  
 GetClassData, 1464  
 GetDescriptor, 1464  
 GetMetadata, 1464  
 GetReflection, 1464  
 has\_options, 1465  
 internal\_default\_instance, 1465  
 IsInitialized, 1465  
 kAttributesFieldNumber, 1460  
 kDetectionsFieldNumber, 1460  
 kIndexInFileMessages, 1469  
 kOptionsFieldNumber, 1460  
 kTrackletClassFieldNumber, 1460  
 kTrackletIdFieldNumber, 1460  
 MergeFrom, 1465  
 mutable\_attributes, 1465  
 mutable\_detections, 1465, 1466  
 mutable\_options, 1466  
 mutable\_tracklet\_class, 1466  
 New, 1466  
 operator=, 1466  
 options, 1466  
 release\_options, 1467  
 release\_tracklet\_class, 1467  
 set\_allocated\_options, 1467  
 set\_allocated\_tracklet\_class, 1467  
 set\_tracklet\_class, 1467  
 set\_tracklet\_id, 1467  
 Swap, 1468  
 swap, 1469  
 Tracklet, 1460, 1461  
 tracklet\_class, 1468  
 tracklet\_id, 1468  
 unsafe\_arena\_release\_options, 1468  
 unsafe\_arena\_set\_allocated\_options, 1468  
 UnsafeArenaSwap, 1468  
 briar::Tracklet::\_Internal, 122  
 options, 122  
 briar::TrackletDefaultTypeInternal, 1470  
 \_instance, 1471  
 ~TrackletDefaultTypeInternal, 1471  
 TrackletDefaultTypeInternal, 1471  
 briar::TrackReply, 1472

::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1485  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1485  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 1485  
 \_InternalParse, 1476  
 \_InternalSerialize, 1476  
 \_class\_data\_, 1485  
 ~TrackReply, 1475  
 add\_frame\_ids, 1476  
 add\_tracklets, 1476  
 ByteSizeLong, 1476  
 Clear, 1476  
 clear\_durations, 1477  
 clear\_errors, 1477  
 clear\_frame\_ids, 1477  
 clear\_modality, 1477  
 clear\_progress, 1477  
 clear\_progress\_only\_reply, 1477  
 clear\_tracklets, 1477  
 CopyFrom, 1477  
 default\_instance, 1478  
 descriptor, 1478  
 durations, 1478  
 errors, 1478  
 frame\_ids, 1478  
 frame\_ids\_size, 1478  
 GetCachedSize, 1479  
 GetClassData, 1479  
 GetDescriptor, 1479  
 GetMetadata, 1479  
 GetReflection, 1479  
 has\_durations, 1479  
 has\_errors, 1479  
 has\_progress, 1480  
 internal\_default\_instance, 1480  
 IsInitialized, 1480  
 kDurationsFieldNumber, 1475  
 kErrorsFieldNumber, 1475  
 kFrameIdsFieldNumber, 1475  
 kIndexInFileMessages, 1486  
 kModalityFieldNumber, 1475  
 kProgressFieldNumber, 1475  
 kProgressOnlyReplyFieldNumber, 1475  
 kTrackletsFieldNumber, 1475  
 MergeFrom, 1480  
 modality, 1480  
 mutable\_durations, 1480  
 mutable\_errors, 1480  
 mutable\_frame\_ids, 1481  
 mutable\_progress, 1481  
 mutable\_tracklets, 1481  
 New, 1481  
 operator=, 1481  
 progress, 1482  
 progress\_only\_reply, 1482  
 release\_durations, 1482

release\_errors, 1482  
release\_progress, 1482  
set\_allocated\_durations, 1482  
set\_allocated\_errors, 1482  
set\_allocated\_progress, 1483  
set\_frame\_ids, 1483  
set\_modality, 1483  
set\_progress\_only\_reply, 1483  
Swap, 1483  
swap, 1485  
tracklets, 1483  
tracklets\_size, 1484  
TrackReply, 1475  
unsafe\_arena\_release\_durations, 1484  
unsafe\_arena\_release\_errors, 1484  
unsafe\_arena\_release\_progress, 1484  
unsafe\_arena\_set\_allocated\_durations, 1484  
unsafe\_arena\_set\_allocated\_errors, 1484  
unsafe\_arena\_set\_allocated\_progress, 1484  
UnsafeArenaSwap, 1485  
briar::TrackReply::\_Internal, 123  
    durations, 123  
    errors, 123  
    progress, 123  
briar::TrackReplyDefaultTypeInternal, 1486  
    \_instance, 1487  
    ~TrackReplyDefaultTypeInternal, 1487  
    TrackReplyDefaultTypeInternal, 1487  
briar::TrackRequest, 1488  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        1500  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        1500  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto  
        1501  
        \_InternalParse, 1492  
        \_InternalSerialize, 1492  
        \_class\_data\_, 1501  
    ~TrackRequest, 1491  
    ByteSizeLong, 1492  
    Clear, 1492  
    clear\_detect\_options, 1492  
    clear\_durations, 1492  
    clear\_media, 1493  
    clear\_subject\_id, 1493  
    clear\_subject\_name, 1493  
    CopyFrom, 1493  
    default\_instance, 1493  
    descriptor, 1493  
    detect\_options, 1493  
    durations, 1494  
    GetCachedSize, 1494  
    GetClassData, 1494  
    GetDescriptor, 1494  
    GetMetadata, 1494  
    GetReflection, 1494  
    has\_detect\_options, 1494  
    has\_durations, 1495  
    has\_media, 1495  
    internal\_default\_instance, 1495  
    IsInitialized, 1495  
    kDetectOptionsFieldNumber, 1491  
    kDurationsFieldNumber, 1491  
    kIndexInFileMessages, 1501  
    kMediaFieldNumber, 1491  
    kSubjectIdFieldNumber, 1491  
    kSubjectNameFieldNumber, 1491  
    media, 1495  
    MergeFrom, 1495  
    mutable\_detect\_options, 1495  
    mutable\_durations, 1496  
    mutable\_media, 1496  
    mutable\_subject\_id, 1496  
    mutable\_subject\_name, 1496  
    New, 1496  
    operator=, 1496  
    release\_detect\_options, 1497  
    release\_durations, 1497  
    release\_media, 1497  
    release\_subject\_id, 1497  
    release\_subject\_name, 1497  
    set\_allocated\_detect\_options, 1497  
    set\_allocated\_durations, 1497  
    set\_allocated\_media, 1498  
    set\_allocated\_subject\_id, 1498  
    set\_allocated\_subject\_name, 1498  
    set\_subject\_id, 1498  
    set\_subject\_name, 1498, 1499  
    subject\_id, 1499  
    subject\_name, 1499  
    Swap, 1499  
    Swap, 1501  
    TrackRequest, 1491  
    unsafe\_arena\_release\_detect\_options, 1499  
    unsafe\_arena\_release\_durations, 1499  
    unsafe\_arena\_release\_media, 1499  
    unsafe\_arena\_set\_allocated\_detect\_options, 1500  
    unsafe\_arena\_set\_allocated\_durations, 1500  
    unsafe\_arena\_set\_allocated\_media, 1500  
    UnsafeArenaSwap, 1500  
briar::TrackRequest::\_Internal, 124  
    detect\_options, 124  
    durations, 124  
    media, 124  
briar::TrackRequestDefaultTypeInternal, 1502  
    \_instance, 1503  
    ~TrackRequestDefaultTypeInternal, 1502  
    TrackRequestDefaultTypeInternal, 1502  
briar::VerifyDatabaseReply, 1503  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        1518  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        1518  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
        1518  
        \_InternalParse, 1507

\_InternalSerialize, 1508  
 \_class\_data\_, 1518  
 ~VerifyDatabaseReply, 1507  
 ByteSizeLong, 1508  
 Clear, 1508  
 clear\_errors, 1508  
 clear\_match\_matrix, 1508  
 clear\_matrix\_gallery\_attributes, 1508  
 clear\_matrix\_gallery\_detections, 1508  
 clear\_matrix\_gallery\_tracklets, 1509  
 clear\_matrix\_probe\_attributes, 1509  
 clear\_matrix\_probe\_detections, 1509  
 clear\_matrix\_probe\_tracklets, 1509  
 clear\_progress, 1509  
 clear\_uses\_integer\_subject\_id\_gallery, 1509  
 CopyFrom, 1509  
 default\_instance, 1509  
 descriptor, 1510  
 errors, 1510  
 GetCachedSize, 1510  
 GetClassData, 1510  
 GetDescriptor, 1510  
 GetMetadata, 1510  
 GetReflection, 1510  
 has\_errors, 1511  
 has\_match\_matrix, 1511  
 has\_progress, 1511  
 internal\_default\_instance, 1511  
 IsInitialized, 1511  
 KErrorsFieldNumber, 1506  
 KIndexInFileMessages, 1518  
 kMatchMatrixFieldNumber, 1506  
 kMatrixGalleryAttributesFieldNumber, 1506  
 kMatrixGalleryDetectionsFieldNumber, 1506  
 kMatrixGalleryTrackletsFieldNumber, 1506  
 kMatrixProbeAttributesFieldNumber, 1506  
 kMatrixProbeDetectionsFieldNumber, 1506  
 kMatrixProbeTrackletsFieldNumber, 1506  
 kProgressFieldNumber, 1506  
 kUsesIntegerSubjectIdGalleryFieldNumber, 1506  
 match\_matrix, 1511  
 matrix\_gallery\_attributes, 1511  
 matrix\_gallery\_attributes\_size, 1512  
 matrix\_gallery\_detections, 1512  
 matrix\_gallery\_detections\_size, 1512  
 matrix\_gallery\_tracklets, 1512  
 matrix\_gallery\_tracklets\_size, 1512  
 matrix\_probe\_attributes, 1512  
 matrix\_probe\_attributes\_size, 1512  
 matrix\_probe\_detections, 1513  
 matrix\_probe\_detections\_size, 1513  
 matrix\_probe\_tracklets, 1513  
 matrix\_probe\_tracklets\_size, 1513  
 MergeFrom, 1513  
 mutable\_errors, 1513  
 mutable\_match\_matrix, 1513  
 mutable\_matrix\_gallery\_attributes, 1514  
 mutable\_matrix\_gallery\_detections, 1514  
 mutable\_matrix\_gallery\_tracklets, 1514  
 mutable\_matrix\_probe\_attributes, 1514  
 mutable\_matrix\_probe\_detections, 1514  
 mutable\_matrix\_probe\_tracklets, 1514  
 mutable\_progress, 1514  
 New, 1515  
 operator=, 1515  
 progress, 1515  
 release\_errors, 1515  
 release\_match\_matrix, 1515  
 release\_progress, 1515  
 set\_allocated\_errors, 1516  
 set\_allocated\_match\_matrix, 1516  
 set\_allocated\_progress, 1516  
 set\_uses\_integer\_subject\_id\_gallery, 1516  
 Swap, 1516  
 swap, 1518  
 unsafe\_arena\_release\_errors, 1516  
 unsafe\_arena\_release\_match\_matrix, 1516  
 unsafe\_arena\_release\_progress, 1517  
 unsafe\_arena\_set\_allocated\_errors, 1517  
 unsafe\_arena\_set\_allocated\_match\_matrix, 1517  
 unsafe\_arena\_set\_allocated\_progress, 1517  
 UnsafeArenaSwap, 1517  
 uses\_integer\_subject\_id\_gallery, 1517  
 VerifyDatabaseReply, 1507  
 briar::VerifyDatabaseReply::\_Internal, 124  
 errors, 124  
 match\_matrix, 125  
 progress, 125  
 briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse,  
 1519  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos,  
 1521  
 GetMetadata, 1521  
 internal\_default\_instance, 1521  
 MergeFrom, 1521  
 SuperType, 1520  
 ValidateKey, 1521  
 ValidateValue, 1521  
 VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse,  
 1520  
 briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefau  
 1522  
 \_instance, 1523  
 ~VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefau  
 1522  
 VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUseDefau  
 1522  
 briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse,  
 1523  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos,  
 1526  
 GetMetadata, 1525  
 internal\_default\_instance, 1525  
 MergeFrom, 1525  
 SuperType, 1524  
 ValidateKey, 1525

ValidateValue, 1525  
VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse, 1538  
1524, 1525  
briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1526  
\_instance, 1527  
~VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1527  
VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1527  
briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse, 1541  
1528  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1530  
GetMetadata, 1529  
internal\_default\_instance, 1530  
MergeFrom, 1530  
SuperType, 1529  
ValidateKey, 1530  
ValidateValue, 1530  
VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse, 1542, 1543  
1529  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1531  
\_instance, 1532  
~VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1531  
VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1531  
briar::VerifyDatabaseReplyDefaultTypeInternal, 1546  
1532  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1535  
GetMetadata, 1534  
internal\_default\_instance, 1534  
MergeFrom, 1534  
SuperType, 1533  
ValidateKey, 1534  
ValidateValue, 1534  
VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal, 1547  
1533, 1534  
briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal,  
1535  
\_instance, 1536  
~VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal,  
1536  
VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal, 1551  
1536  
briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1537  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1539  
GetMetadata, 1539  
internal\_default\_instance, 1539  
MergeFrom, 1539  
SuperType, 1538  
ValidateKey, 1539  
ValidateValue, 1539  
VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1538  
briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1540  
\_instance, 1541  
~VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1540  
VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal,  
1540  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1540  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1544  
GetMetadata, 1543  
internal\_default\_instance, 1543  
MergeFrom, 1543  
SuperType, 1542  
ValidateKey, 1543  
ValidateValue, 1543  
VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1542  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1545  
\_instance, 1545  
~VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1545  
VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUseDefaultTypeInternal,  
1545  
briar::VerifyDatabaseReplyDefaultTypeInternal, 1546  
1546  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1561  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1561  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1561  
briar::VerifyDatabaseRequest, 1547  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1561  
~VerifyDatabaseRequest, 1550  
add\_probe\_entry\_ids, 1552  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1562  
Clear, 1552  
VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUseDefaultTypeInternal, 1551  
1551  
clear\_probe\_entry\_ids, 1553  
VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUseDefaultTypeInternal, 1551  
1551  
briar::VerifyDatabaseRequest, 1553  
clear\_verify\_database, 1553  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotos  
1553  
briar::VerifyDatabaseVerifyOptions, 1553  
1553  
CopyFrom, 1553  
default\_instance, 1553  
descriptor, 1554  
durations, 1554  
GetCachedSize, 1554  
GetClassData, 1554  
GetDescriptor, 1554

GetMetadata, 1554  
 GetReflection, 1554  
 has\_durations, 1555  
 has\_reference\_database, 1555  
 has\_verify\_database, 1555  
 has\_verify\_options, 1555  
 internal\_default\_instance, 1555  
 IsInitialized, 1555  
 kDurationsFieldNumber, 1550  
 kIndexInFileMessages, 1562  
 kProbeEntryIdsFieldNumber, 1550  
 kReferenceDatabaseFieldNumber, 1550  
 kVerifyDatabaseFieldNumber, 1550  
 kVerifyOptionsFieldNumber, 1550  
 MergeFrom, 1555  
 mutable\_durations, 1556  
 mutable\_probe\_entry\_ids, 1556  
 mutable\_reference\_database, 1556  
 mutable\_verify\_database, 1556  
 mutable\_verify\_options, 1556  
 New, 1556  
 operator=, 1557  
 probe\_entry\_ids, 1557  
 probe\_entry\_ids\_size, 1557  
 reference\_database, 1557  
 release\_durations, 1557  
 release\_reference\_database, 1558  
 release\_verify\_database, 1558  
 release\_verify\_options, 1558  
 set\_allocated\_durations, 1558  
 set\_allocated\_reference\_database, 1558  
 set\_allocated\_verify\_database, 1558  
 set\_allocated\_verify\_options, 1558  
 set\_probe\_entry\_ids, 1559  
 Swap, 1559  
 swap, 1561  
 unsafe\_arena\_release\_durations, 1559  
 unsafe\_arena\_release\_reference\_database, 1560  
 unsafe\_arena\_release\_verify\_database, 1560  
 unsafe\_arena\_release\_verify\_options, 1560  
 unsafe\_arena\_set\_allocated\_durations, 1560  
 unsafe\_arena\_set\_allocated\_reference\_database,  
     1560  
 unsafe\_arena\_set\_allocated\_verify\_database,  
     1560  
 unsafe\_arena\_set\_allocated\_verify\_options, 1560  
 UnsafeArenaSwap, 1561  
 verify\_database, 1561  
 verify\_options, 1561  
 VerifyDatabaseRequest, 1550, 1551  
 briar::VerifyDatabaseRequest::\_Internal, 125  
 durations, 125  
 reference\_database, 125  
 verify\_database, 126  
 verify\_options, 126  
 briar::VerifyDatabaseRequestDefaultTypeInternal, 1563  
     \_instance, 1564

~VerifyDatabaseRequestDefaultTypeInternal,  
     1563  
 VerifyDatabaseRequestDefaultTypeInternal, 1563  
 briar::VerifyMatchInfo, 1564  
     ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
         1584  
     ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
         1584  
     ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto,  
         1584  
     \_InternalParse, 1569  
     \_InternalSerialize, 1569  
     \_class\_data\_, 1585  
     ~VerifyMatchInfo, 1568  
     body, 1570  
     ByteSizeLong, 1570  
     Clear, 1570  
     clear\_body, 1570  
     clear\_entry\_id\_reference, 1570  
     clear\_entry\_id\_verification, 1570  
     clear\_face, 1570  
     clear\_gate, 1571  
     clear\_integer\_subject\_id\_gallery, 1571  
     clear\_media\_id, 1571  
     clear\_score, 1571  
     clear\_subject\_id\_reference, 1571  
     clear\_subject\_id\_verify, 1571  
     clear\_subject\_name, 1571  
     clear\_theoretical\_max, 1571  
     clear\_theoretical\_min, 1572  
     clear\_uses\_integer\_gallery\_id, 1572  
     CopyFrom, 1572  
     default\_instance, 1572  
     descriptor, 1572  
     entry\_id\_reference, 1572  
     entry\_id\_verification, 1572  
     face, 1573  
     gate, 1573  
     GetCachedSize, 1573  
     GetClassData, 1573  
     GetDescriptor, 1573  
     GetMetadata, 1573  
     GetReflection, 1573  
     has\_body, 1574  
     has\_face, 1574  
     has\_gate, 1574  
     integer\_subject\_id\_gallery, 1574  
     internal\_default\_instance, 1574  
     IsInitialized, 1574  
     kBodyFieldNumber, 1568  
     kEntryIdReferenceFieldNumber, 1568  
     kEntryIdVerificationFieldNumber, 1568  
     kFaceFieldNumber, 1568  
     kGateFieldNumber, 1568  
     kIndexInFileMessages, 1585  
     kIntegerSubjectIdGalleryFieldNumber, 1568  
     kMediaIdFieldNumber, 1568  
     kScoreFieldNumber, 1568

kSubjectIdReferenceFieldNumber, 1568  
kSubjectIdVerifyFieldNumber, 1568  
kSubjectNameFieldNumber, 1568  
kTheoreticalMaxFieldNumber, 1568  
kTheoreticalMinFieldNumber, 1568  
kUsesIntegerGalleryIdFieldNumber, 1568  
media\_id, 1574  
MergeFrom, 1575  
mutable\_body, 1575  
mutable\_entry\_id\_reference, 1575  
mutable\_entry\_id\_verification, 1575  
mutable\_face, 1575  
mutable\_gate, 1575  
mutable\_media\_id, 1575  
mutable\_subject\_id\_reference, 1576  
mutable\_subject\_id\_verify, 1576  
mutable\_subject\_name, 1576  
New, 1576  
operator=, 1576  
release\_body, 1576  
release\_entry\_id\_reference, 1577  
release\_entry\_id\_verification, 1577  
release\_face, 1577  
release\_gate, 1577  
release\_media\_id, 1577  
release\_subject\_id\_reference, 1577  
release\_subject\_id\_verify, 1577  
release\_subject\_name, 1577  
score, 1578  
set\_allocated\_body, 1578  
set\_allocated\_entry\_id\_reference, 1578  
set\_allocated\_entry\_id\_verification, 1578  
set\_allocated\_face, 1578  
set\_allocated\_gate, 1578  
set\_allocated\_media\_id, 1578  
set\_allocated\_subject\_id\_reference, 1579  
set\_allocated\_subject\_id\_verify, 1579  
set\_allocated\_subject\_name, 1579  
set\_entry\_id\_reference, 1579  
set\_entry\_id\_verification, 1579, 1580  
set\_integer\_subject\_id\_gallery, 1580  
set\_media\_id, 1580  
set\_score, 1580  
set\_subject\_id\_reference, 1580, 1581  
set\_subject\_id\_verify, 1581  
set\_subject\_name, 1581  
set\_theoretical\_max, 1581  
set\_theoretical\_min, 1582  
set\_uses\_integer\_gallery\_id, 1582  
subject\_id\_reference, 1582  
subject\_id\_verify, 1582  
subject\_name, 1582  
Swap, 1582  
swap, 1584  
theoretical\_max, 1582  
theoretical\_min, 1583  
unsafe\_arena\_release\_body, 1583  
unsafe\_arena\_release\_face, 1583  
unsafe\_arena\_release\_gate, 1583  
unsafe\_arena\_set\_allocated\_body, 1583  
unsafe\_arena\_set\_allocated\_face, 1583  
unsafe\_arena\_set\_allocated\_gate, 1583  
UnsafeArenaSwap, 1584  
uses\_integer\_gallery\_id, 1584  
VerifyMatchInfo, 1568, 1569  
briar::VerifyMatchInfo::\_Internal, 126  
body, 126  
face, 126  
gate, 126  
briar::VerifyMatchInfoDefaultTypeInternal, 1585  
\_instance, 1586  
~VerifyMatchInfoDefaultTypeInternal, 1586  
VerifyMatchInfoDefaultTypeInternal, 1586  
briar::VerifyMatchList, 1587  
::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
1594  
::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
1594  
::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprotos,  
1594  
\_InternalParse, 1590  
\_InternalSerialize, 1590  
\_class\_data\_, 1595  
~VerifyMatchList, 1589  
add\_match\_list, 1590  
ByteSizeLong, 1590  
Clear, 1591  
clear\_match\_list, 1591  
CopyFrom, 1591  
default\_instance, 1591  
descriptor, 1591  
GetCachedSize, 1591  
GetClassData, 1591  
GetDescriptor, 1592  
GetMetadata, 1592  
GetReflection, 1592  
internal\_default\_instance, 1592  
IsInitialized, 1592  
kIndexInFileMessages, 1595  
kMatchListFieldNumber, 1589  
match\_list, 1592  
match\_list\_size, 1593  
MergeFrom, 1593  
mutable\_match\_list, 1593  
New, 1593  
operator=, 1593  
Swap, 1594  
swap, 1594  
UnsafeArenaSwap, 1594  
VerifyMatchList, 1589, 1590  
briar::VerifyMatchList::\_Internal, 127  
briar::VerifyMatchListDefaultTypeInternal, 1595  
\_instance, 1596  
~VerifyMatchListDefaultTypeInternal, 1596  
VerifyMatchListDefaultTypeInternal, 1596  
briar::VerifyOptions, 1597

::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1610  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1610  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eproto, 1610  
 \_InternalParse, 1601  
 \_InternalSerialize, 1601  
 \_class\_data\_, 1611  
 ~VerifyOptions, 1600  
 ByteSizeLong, 1601  
 Clear, 1601  
 clear\_debug, 1601  
 clear\_flag, 1601  
 clear\_modality, 1602  
 clear\_return\_media, 1602  
 clear\_use\_detections, 1602  
 clear\_use\_templates, 1602  
 clear\_use\_whole\_image, 1602  
 CopyFrom, 1602  
 debug, 1602  
 default\_instance, 1603  
 descriptor, 1603  
 flag, 1603  
 GetCachedSize, 1603  
 GetClassData, 1603  
 GetDescriptor, 1603  
 GetMetadata, 1603  
 GetReflection, 1604  
 has\_debug, 1604  
 has\_return\_media, 1604  
 has\_use\_detections, 1604  
 has\_use\_templates, 1604  
 has\_use\_whole\_image, 1604  
 internal\_default\_instance, 1604  
 IsInitialized, 1605  
 kDebugFieldNumber, 1600  
 kFlagFieldNumber, 1600  
 kIndexInFileMessages, 1611  
 kModalityFieldNumber, 1600  
 kReturnMediaFieldNumber, 1600  
 kUseDetectionsFieldNumber, 1600  
 kUseTemplatesFieldNumber, 1600  
 kUseWholeImageFieldNumber, 1600  
 MergeFrom, 1605  
 modality, 1605  
 mutable\_debug, 1605  
 mutable\_return\_media, 1605  
 mutable\_use\_detections, 1605  
 mutable\_use\_templates, 1605  
 mutable\_use\_whole\_image, 1606  
 New, 1606  
 operator=, 1606  
 release\_debug, 1606  
 release\_return\_media, 1606  
 release\_use\_detections, 1606  
 release\_use\_templates, 1607  
 release\_use\_whole\_image, 1607  
 return\_media, 1607  
 set\_allocated\_debug, 1607  
 set\_allocated\_return\_media, 1607  
 set\_allocated\_use\_detections, 1607  
 set\_allocated\_use\_templates, 1607  
 set\_allocated\_use\_whole\_image, 1608  
 set\_flag, 1608  
 set\_modality, 1608  
 Swap, 1608  
 swap, 1611  
 unsafe\_arena\_release\_debug, 1608  
 unsafe\_arena\_release\_return\_media, 1608  
 unsafe\_arena\_release\_use\_detections, 1608  
 unsafe\_arena\_release\_use\_templates, 1609  
 unsafe\_arena\_release\_use\_whole\_image, 1609  
 unsafe\_arena\_set\_allocated\_debug, 1609  
 unsafe\_arena\_set\_allocated\_return\_media, 1609  
 unsafe\_arena\_set\_allocated\_use\_detections, 1609  
 unsafe\_arena\_set\_allocated\_use\_templates, 1609  
 unsafe\_arena\_set\_allocated\_use\_whole\_image, 1609  
 UnsafeArenaSwap, 1610  
 use\_detections, 1610  
 use\_templates, 1610  
 use\_whole\_image, 1610  
 VerifyOptions, 1600  
 briar::VerifyOptions::\_Internal, 127  
 debug, 127  
 return\_media, 127  
 use\_detections, 127  
 use\_templates, 128  
 use\_whole\_image, 128  
 briar::VerifyOptionsDefaultTypeInternal, 1612  
 \_instance, 1613  
 ~VerifyOptionsDefaultTypeInternal, 1612  
 VerifyOptionsDefaultTypeInternal, 1612  
 briar::VerifyReply, 1613  
 ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper, 1626  
 ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata, 1626  
 ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto, 1627  
 \_InternalParse, 1617  
 \_InternalSerialize, 1617  
 \_class\_data\_, 1627  
 ~VerifyReply, 1616  
 ByteSizeLong, 1618  
 Clear, 1618  
 clear\_detect\_reply, 1618  
 clear\_durations, 1618  
 clear\_errors, 1618  
 clear\_extract\_reply, 1618  
 clear\_progress\_only\_reply, 1618  
 clear\_similarities, 1619  
 CopyFrom, 1619  
 default\_instance, 1619

descriptor, 1619  
detect\_reply, 1619  
durations, 1619  
errors, 1619  
extract\_reply, 1620  
GetCachedSize, 1620  
GetClassData, 1620  
GetDescriptor, 1620  
GetMetadata, 1620  
GetReflection, 1620  
has\_detect\_reply, 1620  
has\_durations, 1621  
has\_errors, 1621  
has\_extract\_reply, 1621  
has\_similarities, 1621  
internal\_default\_instance, 1621  
IsInitialized, 1621  
kDetectReplyFieldNumber, 1616  
kDurationsFieldNumber, 1616  
kErrorsFieldNumber, 1616  
kExtractReplyFieldNumber, 1616  
kIndexInFileMessages, 1627  
kProgressOnlyReplyFieldNumber, 1616  
kSimilaritiesFieldNumber, 1616  
MergeFrom, 1621  
mutable\_detect\_reply, 1621  
mutable\_durations, 1622  
mutable\_errors, 1622  
mutable\_extract\_reply, 1622  
mutable\_similarities, 1622  
New, 1622  
operator=, 1622  
progress\_only\_reply, 1623  
release\_detect\_reply, 1623  
release\_durations, 1623  
release\_errors, 1623  
release\_extract\_reply, 1623  
release\_similarities, 1623  
set\_allocated\_detect\_reply, 1623  
set\_allocated\_durations, 1624  
set\_allocated\_errors, 1624  
set\_allocated\_extract\_reply, 1624  
set\_allocated\_similarities, 1624  
set\_progress\_only\_reply, 1624  
similarities, 1624  
Swap, 1624  
swap, 1627  
unsafe\_arena\_release\_detect\_reply, 1625  
unsafe\_arena\_release\_durations, 1625  
unsafe\_arena\_release\_errors, 1625  
unsafe\_arena\_release\_extract\_reply, 1625  
unsafe\_arena\_release\_similarities, 1625  
unsafe\_arena\_set\_allocated\_detect\_reply, 1625  
unsafe\_arena\_set\_allocated\_durations, 1625  
unsafe\_arena\_set\_allocated\_errors, 1626  
unsafe\_arena\_set\_allocated\_extract\_reply, 1626  
unsafe\_arena\_set\_allocated\_similarities, 1626  
UnsafeArenaSwap, 1626

VerifyReply, 1616, 1617  
briar::VerifyReply::\_\_Internal, 128  
    detect\_reply, 128  
    durations, 128  
    errors, 129  
    extract\_reply, 129  
    similarities, 129  
briar::VerifyReplyDefaultTypeInternal, 1628  
    \_instance, 1629  
    ~VerifyReplyDefaultTypeInternal, 1628  
    VerifyReplyDefaultTypeInternal, 1628  
briar::VerifyRequest, 1629  
    ::PROTOBUF\_NAMESPACE\_ID::Arena::InternalHelper,  
        1646  
    ::PROTOBUF\_NAMESPACE\_ID::internal::AnyMetadata,  
        1646  
    ::TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eproto,  
        1646  
        \_InternalParse, 1634  
        \_InternalSerialize, 1634  
        \_class\_data\_, 1647  
        ~VerifyRequest, 1633  
        add\_detections, 1634  
        ByteSizeLong, 1634  
        Clear, 1635  
        clear\_detect\_options, 1635  
        clear\_detections, 1635  
        clear\_durations, 1635  
        clear\_extract\_options, 1635  
        clear\_flag, 1635  
        clear\_media, 1635  
        clear\_reference\_tmpls, 1635  
        clear\_role, 1636  
        clear\_verify\_options, 1636  
        CopyFrom, 1636  
        default\_instance, 1636  
        descriptor, 1636  
        detect\_options, 1636  
        detections, 1636, 1637  
        detections\_size, 1637  
        durations, 1637  
        extract\_options, 1637  
        flag, 1637  
        GetCachedSize, 1637  
        GetClassData, 1637  
        GetDescriptor, 1638  
        GetMetadata, 1638  
        GetReflection, 1638  
        has\_detect\_options, 1638  
        has\_durations, 1638  
        has\_extract\_options, 1638  
        has\_media, 1638  
        has\_reference\_tmpls, 1639  
        has\_verify\_options, 1639  
        internal\_default\_instance, 1639  
        IsInitialized, 1639  
        kDetectionsFieldNumber, 1633  
        kDetectOptionsFieldNumber, 1633

kDurationsFieldNumber, 1633  
 kExtractOptionsFieldNumber, 1633  
 kFlagFieldNumber, 1633  
 kIndexInFileMessages, 1647  
 kMediaFieldNumber, 1633  
 kReferenceTmplsFieldNumber, 1633  
 kRoleFieldNumber, 1633  
 kVerifyOptionsFieldNumber, 1633  
 media, 1639  
 MergeFrom, 1639  
 mutable\_detect\_options, 1639  
 mutable\_detections, 1640  
 mutable\_durations, 1640  
 mutable\_extract\_options, 1640  
 mutable\_media, 1640  
 mutable\_reference\_tmpls, 1640  
 mutable\_verify\_options, 1640  
 New, 1641  
 operator=, 1641  
 reference, 1647  
 reference\_tmpls, 1641  
 release\_detect\_options, 1641  
 release\_durations, 1641  
 release\_extract\_options, 1641  
 release\_media, 1642  
 release\_reference\_tmpls, 1642  
 release\_verify\_options, 1642  
 role, 1642  
 set\_allocated\_detect\_options, 1642  
 set\_allocated\_durations, 1642  
 set\_allocated\_extract\_options, 1642  
 set\_allocated\_media, 1643  
 set\_allocated\_reference\_tmpls, 1643  
 set\_allocated\_verify\_options, 1643  
 set\_flag, 1643  
 set\_role, 1643  
 Swap, 1643  
 swap, 1647  
 unsafe\_arena\_release\_detect\_options, 1643  
 unsafe\_arena\_release\_durations, 1644  
 unsafe\_arena\_release\_extract\_options, 1644  
 unsafe\_arena\_release\_media, 1644  
 unsafe\_arena\_release\_reference\_tmpls, 1644  
 unsafe\_arena\_release\_verify\_options, 1644  
 unsafe\_arena\_set\_allocated\_detect\_options, 1644  
 unsafe\_arena\_set\_allocated\_durations, 1644  
 unsafe\_arena\_set\_allocated\_extract\_options,  
     1645  
 unsafe\_arena\_set\_allocated\_media, 1645  
 unsafe\_arena\_set\_allocated\_reference\_tmpls,  
     1645  
 unsafe\_arena\_set\_allocated\_verify\_options, 1645  
 UnsafeArenaSwap, 1645  
 verify, 1647  
 verify\_options, 1645  
 VerifyRequest, 1633, 1634  
 VerifyRole, 1632  
 VerifyRole\_ARRAYSIZE, 1648  
 VerifyRole\_descriptor, 1645  
 VerifyRole\_IsValid, 1646  
 VerifyRole\_MAX, 1648  
 VerifyRole\_MIN, 1648  
 VerifyRole\_Name, 1646  
 VerifyRole\_Parse, 1646  
 briar::VerifyRequest::\_\_Internal, 129  
     detect\_options, 129  
     durations, 130  
     extract\_options, 130  
     media, 130  
     reference\_tmpls, 130  
     verify\_options, 130  
 briar::VerifyRequestDefaultTypeInternal, 1649  
     \_instance, 1650  
     ~VerifyRequestDefaultTypeInternal, 1649  
     VerifyRequestDefaultTypeInternal, 1649  
 BRIAR\_BAD\_ARGUMENT  
     briar, 36  
 BRIAR\_BAD\_LICENSE  
     briar, 36  
 BRIAR\_BAD\_SDK\_CONFIG  
     briar, 36  
 BRIAR\_BATCH\_ABORTED\_EARLY  
     briar, 36  
 BRIAR\_BATCH\_FINISHED\_WITH\_ERRORS  
     briar, 36  
 BRIAR\_CALLBACK\_EXIT\_IMMEDIATELY  
     briar, 36  
 BRIAR\_DUPLICATE\_ID  
     briar, 36  
 briar\_error.pb.cc  
     Arena::CreateMaybeMessage<::briar::BriarErrorMessage  
         >, 1690  
     Arena::CreateMaybeMessage<::briar::BriarErrors  
         >, 1690  
     CHK\_, 1690  
     descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2proto,  
         1691  
     descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2proto\_getter  
         1690  
     PROTOBUF\_SECTION\_VARIABLE, 1691  
 briar\_error.pb.h  
     Arena::CreateMaybeMessage<::briar::BriarErrorMessage  
         >, 1694  
     Arena::CreateMaybeMessage<::briar::BriarErrors  
         >, 1694  
     descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2proto,  
         1694  
     GetEnumDescriptor<::briar::BriarError>, 1694  
     PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2proto  
         1693  
 BRIAR\_FAILURE\_TO\_DESERIALIZE  
     briar, 36  
 BRIAR\_FAILURE\_TO\_SERIALIZE  
     briar, 36  
 BRIAR\_INCORRECT\_ROLE  
     briar, 36

BRIAR\_INTERNAL\_ERROR  
briar, 36

BRIAR\_INVALID\_ATTRIBUTE\_KEY  
briar, 36

BRIAR\_INVALID\_GPU  
briar, 36

BRIAR\_INVALID\_MEDIA  
briar, 36

BRIAR\_INVALID\_SDK\_PATH  
briar, 36

BRIAR\_MEDIA\_AT\_END  
briar, 36

BRIAR\_MISSING\_ATTRIBUTE  
briar, 36

BRIAR\_MISSING\_DATA  
briar, 36

BRIAR\_MISSING\_FILE\_NAME  
briar, 36

BRIAR\_MISSING\_ID  
briar, 36

BRIAR\_NOT\_IMPLEMENTED  
briar, 36

BRIAR\_NUM\_ERRORS  
briar, 36

BRIAR\_OPEN\_ERROR  
briar, 36

BRIAR\_OUT\_OF\_BOUNDS\_ACCESS  
briar, 36

BRIAR\_OUT\_OF\_MEMORY  
briar, 36

BRIAR\_PARSE\_ERROR  
briar, 36

BRIAR\_READ\_ERROR  
briar, 36

briar\_service.pb.cc

Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationReply>, 1711

Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest>, 1711

Arena::CreateMaybeMessage< ::briar::ClusterReply>, 1711

Arena::CreateMaybeMessage< ::briar::ClusterRequest>, 1711

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply>, 1712

Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply>, 1713

Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseInsertRequest>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesReply>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesRequest>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseListReply>, 1714

Arena::CreateMaybeMessage< ::briar::DatabaseListRequest>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseLoadReply>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseLoadRequest>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseMergeRequest>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply>, 1715

Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsRequest>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRenameReply>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRenameRequest>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveReply>, 1716

Arena::CreateMaybeMessage< ::briar::DatabaseRetrieveRequest>, 1716

Arena::CreateMaybeMessage< ::briar::DetectReply>, 1716

Arena::CreateMaybeMessage< ::briar::DetectRequest>, 1717

Arena::CreateMaybeMessage< ::briar::Empty>, 1717

Arena::CreateMaybeMessage< ::briar::EnhanceReply>, 1717

Arena::CreateMaybeMessage< ::briar::EnhanceRequest>, 1717

Arena::CreateMaybeMessage< ::briar::EnrollCustomRequest>, 1718  
 Arena::CreateMaybeMessage< ::briar::EnrollReply>, 1718  
 Arena::CreateMaybeMessage< ::briar::EnrollRequest>, 1718  
 Arena::CreateMaybeMessage< ::briar::ExtractReply>, 1718  
 Arena::CreateMaybeMessage< ::briar::ExtractRequest>, 1718  
 Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest>, 1718  
 Arena::CreateMaybeMessage< ::briar::SearchDatabaseRequest>, 1719  
 Arena::CreateMaybeMessage< ::briar::SearchReply>, 1719  
 Arena::CreateMaybeMessage< ::briar::SearchRequest>, 1719  
 Arena::CreateMaybeMessage< ::briar::StatusReply>, 1719  
 Arena::CreateMaybeMessage< ::briar::StatusRequest>, 1719  
 Arena::CreateMaybeMessage< ::briar::TrackReply>, 1719  
 Arena::CreateMaybeMessage< ::briar::TrackRequest>, 1720  
 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseReply>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyDatabaseRequest>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyReply>, 1721  
 Arena::CreateMaybeMessage< ::briar::VerifyRequest>, 1722  
 CHK\_, 1703–1711  
 descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotobuf, 1732  
 PROTOBUF\_SECTION\_VARIABLE, 1722  
 briar\_service.pb.h  
 Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest>, 1728  
 Arena::CreateMaybeMessage< ::briar::BriarServiceConfigurationRequest>, 1728  
 Arena::CreateMaybeMessage< ::briar::ClusterReply>, 1728  
 Arena::CreateMaybeMessage< ::briar::ClusterRequest>, 1728  
 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointReply>, 1728  
 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointRequest>, 1728  
 Arena::CreateMaybeMessage< ::briar::DatabaseCheckpointSubjectRequest>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseCreateReply>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseCreateRequest>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseDeleteReply>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseDeleteRequest>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeReply>, 1729  
 Arena::CreateMaybeMessage< ::briar::DatabaseFinalizeRequest>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryReply>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseHasEntryRequest>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseInfoReply>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseInfoRequest>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseInsertReply>, 1730  
 Arena::CreateMaybeMessage< ::briar::DatabaseListEntriesReply>, 1731  
 Arena::CreateMaybeMessage< ::briar::DatabaseListRequest>, 1731  
 Arena::CreateMaybeMessage< ::briar::DatabaseMergeReply>, 1732  
 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryReply>, 1732  
 Arena::CreateMaybeMessage< ::briar::DatabaseMoveEntryRequest>, 1732  
 Arena::CreateMaybeMessage< ::briar::DatabaseRemoveTmplsReply>, 1733

Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest>, 1733  
Arena::CreateMaybeMessage<::briar::DatabaseRenameRequest>, 1733  
Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest>, 1733  
Arena::CreateMaybeMessage<::briar::DatabaseRetrieveRequest>, 1733  
Arena::CreateMaybeMessage<::briar::DetectReply>, 1733  
Arena::CreateMaybeMessage<::briar::DetectRequest>, 1734  
Arena::CreateMaybeMessage<::briar::Empty>, BRIAR\_SUCCESS 1734  
Arena::CreateMaybeMessage<::briar::EnhanceReply>, BRIAR\_UNKNOWN\_ERROR 1734  
Arena::CreateMaybeMessage<::briar::EnhanceRequest>, BRIAR\_WRITE\_ERROR 1734  
Arena::CreateMaybeMessage<::briar::EnrollCustomRequest>, BriarDatabase 1734  
Arena::CreateMaybeMessage<::briar::EnrollReply>, BriarDatabaseDefaultTypeInternal 1734  
Arena::CreateMaybeMessage<::briar::EnrollRequest>, BriarDatabaseInfo 1735  
Arena::CreateMaybeMessage<::briar::ExtractReply>, BriarDatabaseInfoDefaultTypeInternal 1735  
Arena::CreateMaybeMessage<::briar::ExtractRequest>, BriarDataType 1735  
Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest>, BriarDataType\_ARRAYSIZE 1735  
Arena::CreateMaybeMessage<::briar::SearchDatabaseRequest>, BriarDataType\_descriptor 1735  
Arena::CreateMaybeMessage<::briar::SearchReply>, BriarDataType\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_ 1735  
Arena::CreateMaybeMessage<::briar::SearchRequest>, BriarDataType\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_ 1736  
Arena::CreateMaybeMessage<::briar::StatusReply>, BriarDataType\_IsValid 1736  
Arena::CreateMaybeMessage<::briar::StatusRequest>, BriarDataType\_MAX 1736  
Arena::CreateMaybeMessage<::briar::TrackReply>, BriarDataType\_MIN 1736  
Arena::CreateMaybeMessage<::briar::TrackRequest>, BriarDataType\_Name 1736  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>, BriarDurationMatrixGalleryAttributesEntry\_DoNotUse 1737  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>, BriarDurationMatrixGalleryDetectionsEntry\_DoNotUse 1737  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>, BriarDurationMatrixDefaultTypeInternal 1737  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>, BriarDurationMatrixProbeAttributesEntry\_DoNotUse 1737  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseRequest>, BriarDurationMatrixProbeTrackletsEntry\_DoNotUse 1737  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply>, BriarDurations 1738  
Arena::CreateMaybeMessage<::briar::VerifyDatabaseReply>, BriarDurations\_SubDurationsEntry\_DoNotUse, BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal 1738

briar::BriarDurations\_SubDurationsEntry\_DoNotUseDefaultTypeInternal  
**235**

BriarDurationsDefaultTypeInternal  
briar::BriarDurationsDefaultTypeInternal, [237](#)

BriarDurationsList  
briar::BriarDurationsList, [240](#), [241](#)

BriarDurationsListDefaultTypeInternal  
briar::BriarDurationsListDefaultTypeInternal, [247](#)

BriarError  
briar, [36](#)

BriarError\_ARRAYSIZE  
briar, [63](#)

BriarError\_descriptor  
briar, [41](#)

BriarError\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_  
briar, [36](#)

BriarError\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_  
briar, [36](#)

BriarError\_IsValid  
briar, [41](#)

BriarError\_MAX  
briar, [63](#)

BriarError\_MIN  
briar, [63](#)

BriarError\_Name  
briar, [41](#)

BriarError\_Parse  
briar, [42](#)

BriarErrorMessage  
briar::BriarErrorMessage, [250](#), [251](#)

BriarErrorMessageDefaultTypeInternal  
briar::BriarErrorMessageDefaultTypeInternal, [257](#)

BriarErrors  
briar::BriarErrors, [261](#)

BriarErrorsDefaultTypeInternal  
briar::BriarErrorsDefaultTypeInternal, [268](#)

BriarFloat  
briar, [39](#)

BriarInt16  
briar, [39](#)

BriarInt32  
briar, [39](#)

BriarInt64  
briar, [39](#)

BriarInt8  
briar, [39](#)

BriarMatrix  
briar::BriarMatrix, [273](#)

BriarMatrixDefaultTypeInternal  
briar::BriarMatrixDefaultTypeInternal, [292](#)

BriarMedia  
briar::BriarMedia, [298](#), [299](#)

BriarMedia\_DataType  
briar, [36](#)

BriarMedia\_DataType\_BriarMedia\_DataType\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_1  
briar, [37](#)

BriarMedia\_DataType\_BriarMedia\_DataType\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_1  
briar, [37](#)

BriarMedia\_DataType\_BriarMedia\_DataType\_ULONG  
briar, [37](#)

BriarMedia\_DataType\_BriarMedia\_DataType\_USBL  
briar, [37](#)

BriarMedia\_DataType\_BriarMedia\_DataType\_USTR  
briar, [37](#)

BriarMedia\_DataType\_DESCRIPTOR  
briar, [42](#)

BriarMedia\_DataType\_EPS  
briar, [37](#)

BriarMedia\_DataType\_FLOAT32  
briar, [37](#)

BriarMedia\_DataType\_GENERIC\_IMAGE  
briar, [37](#)

BriarMedia\_DataType\_GENERIC\_VIDEO  
briar, [37](#)

BriarMedia\_DataType\_GIF  
briar, [37](#)

BriarMedia\_DataType\_H264  
briar, [37](#)

BriarMedia\_DataType\_H265  
briar, [37](#)

BriarMedia\_DataType\_IsValid  
briar, [42](#)

BriarMedia\_DataType\_JPG  
briar, [37](#)

BriarMedia\_DataType\_MJPG  
briar, [37](#)

BriarMedia\_DataType\_MONO16  
briar, [37](#)

BriarMedia\_DataType\_MONO8  
briar, [37](#)

BriarMedia\_DataType\_MP4  
briar, [37](#)

BriarMedia\_DataType\_Name  
briar, [42](#)

BriarMedia\_DataType\_Parse  
briar, [42](#)

BriarMedia\_DataType\_PNG  
briar, [37](#)

BriarMedia\_DataType\_RAW  
briar, [37](#)

BriarMedia\_DataType\_RGB16  
briar, [37](#)

BriarMedia\_DataType\_RGB8  
briar, [37](#)

BriarMedia\_DataType\_RGBA16  
briar, [37](#)

BriarMedia\_DataType\_RGBA8  
briar, [37](#)

BriarMedia\_DataType\_SOURCE\_ONLY  
briar, [37](#)

BriarMedia\_DataType\_TIF  
briar, [37](#)

BriarMedia\_DataType\_USTR  
briar, [37](#)

BriarMedia\_DefaultTypeInternal  
briar::BriarMediaDefaultTypeInternal, [321](#)

BriarPoint2D  
    briar::BriarPoint2D, 324, 325

BriarPoint2DDefaultTypeInternal  
    briar::BriarPoint2DDefaultTypeInternal, 331

BriarProgress  
    briar::BriarProgress, 334, 335

BriarProgressDefaultTypeInternal  
    briar::BriarProgressDefaultTypeInternal, 341

BriarRect  
    briar::BriarRect, 344, 345

BriarRectDefaultTypeInternal  
    briar::BriarRectDefaultTypeInternal, 352

BriarServiceConfigurationReply  
    briar::BriarServiceConfigurationReply, 356

BriarServiceConfigurationReplyDefaultTypeInternal  
    briar::BriarServiceConfigurationReplyDefaultTypeInternal, 366

BriarServiceConfigurationRequest  
    briar::BriarServiceConfigurationRequest, 369

BriarServiceConfigurationRequestDefaultTypeInternal  
    briar::BriarServiceConfigurationRequestDefaultTypeInternal, 374

BriarServiceStatus  
    briar, 37

BriarServiceStatus\_ARRAYSIZE  
    briar, 64

BriarServiceStatus\_descriptor  
    briar, 42

BriarServiceStatus\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 37

BriarServiceStatus\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 37

BriarServiceStatus\_IsValid  
    briar, 43

BriarServiceStatus\_MAX  
    briar, 64

BriarServiceStatus\_MIN  
    briar, 64

BriarServiceStatus\_Name  
    briar, 43

BriarServiceStatus\_Parse  
    briar, 43

BriarUInt16  
    briar, 39

BriarUInt32  
    briar, 39

BriarUInt64  
    briar, 39

BriarUInt8  
    briar, 39

BriarVector  
    briar::BriarVector, 377, 378

BriarVectorDefaultTypeInternal  
    briar::BriarVectorDefaultTypeInternal, 384

BUFFER  
    briar, 35

buffer  
    briar::Attribute, 147

briar::Template, 1368

BUSY  
    briar, 37

BYTES  
    briar, 35

ByteSizeLong  
    briar::APIVersion, 134

briar::Attribute, 147

briar::BoolOption, 170

briar::BriarDatabase, 179

briar::BriarDatabaseInfo, 192

briar::BriarDuration, 209

briar::BriarDurations, 220

briar::BriarDurationsList, 241

briar::BriarErrorMessage, 251

briar::BriarErrors, 262

briar::BriarMatrix, 277

briar::BriarMedia, 299

briar::BriarPoint2D, 325

briar::BriarProgress, 335

briar::BriarRect, 345

briar::BriarServiceConfigurationReply, 358

briar::BriarVector, 378

briar::ClusterConfidence, 388

briar::ClusterIds, 399

briar::ClusterReply, 410

briar::ClusterRequest, 424

briar::DatabaseCheckpointReply, 436

briar::DatabaseCheckpointRequest, 449

briar::DatabaseCheckpointSubjectRequest, 462

briar::DatabaseCreateReply, 476

briar::DatabaseCreateRequest, 489

briar::DatabaseDeleteReply, 502

briar::DatabaseDeleteRequest, 515

briar::DatabaseFinalizeReply, 526

briar::DatabaseFinalizeRequest, 538

briar::DatabaseHasEntryReply, 549

briar::DatabaseHasEntryRequest, 560

briar::DatabaseInfoReply, 572

briar::DatabaseInfoRequest, 584

briar::DatabaseInsertReply, 596

briar::DatabaseInsertRequest, 609

briar::DatabaseListEntriesReply, 625

briar::DatabaseListEntriesRequest, 638

briar::DatabaseListReply, 650

briar::DatabaseListRequest, 661

briar::DatabaseLoadReply, 671

briar::DatabaseLoadRequest, 685

briar::DatabaseMergeReply, 697

briar::DatabaseMergeRequest, 709

briar::DatabaseMoveEntryReply, 721

briar::DatabaseMoveEntryRequest, 733

briar::DatabaseRemoveTmplsReply, 746

briar::DatabaseRemoveTmplsRequest, 757

briar::DatabaseRenameReply, 770

briar::DatabaseRenameRequest, 782

briar::DatabaseRetrieveReply, 794

briar::DatabaseRetrieveRequest, 808

briar::Detection, 824  
 briar::DetectionOptions, 843  
 briar::DetectReply, 865  
 briar::DetectRequest, 882  
 briar::EnhanceOptions, 906  
 briar::EnhanceReply, 921  
 briar::EnhanceRequest, 936  
 briar::EnrollCustomRequest, 951  
 briar::EnrollmentInfo, 970  
 briar::EnrollOptions, 989  
 briar::EnrollReply, 1011  
 briar::EnrollRequest, 1032  
 briar::ExtractOptions, 1057  
 briar::ExtractReply, 1073  
 briar::ExtractRequest, 1091  
 briar::FloatOption, 1105  
 briar::FrameMetadata, 1116  
 briar::IntOption, 1125  
 briar::MediaMetadata, 1148  
 briar::Record, 1162  
 briar::RecordList, 1195  
 briar::SearchDatabaseReply, 1206  
 briar::SearchDatabaseRequest, 1221  
 briar::SearchMatchInfo, 1238  
 briar::SearchMatchList, 1258  
 briar::SearchOptions, 1270  
 briar::SearchReply, 1295  
 briar::SearchRequest, 1313  
 briar::StatusReply, 1331  
 briar::StringOption, 1354  
 briar::Template, 1368  
 briar::TemplateData, 1383  
 briar::TemplateIds, 1401  
 briar::TemplateImageInput, 1412  
 briar::TemplateList, 1424  
 briar::TemplateListGroup, 1434  
 briar::TrackingOptions, 1445  
 briar::Tracklet, 1462  
 briar::TrackReply, 1476  
 briar::TrackRequest, 1492  
 briar::VerifyDatabaseReply, 1508  
 briar::VerifyDatabaseRequest, 1552  
 briar::VerifyMatchInfo, 1570  
 briar::VerifyMatchList, 1590  
 briar::VerifyOptions, 1601  
 briar::VerifyReply, 1618  
 briar::VerifyRequest, 1634

channels  
 briar::BriarMedia, 300

CHK\_  
 briar.pb.cc, 1658–1664  
 briar\_error.pb.cc, 1690  
 briar\_service.pb.cc, 1703–1711

Clear  
 briar::APIVersion, 134  
 briar::Attribute, 147  
 briar::BoolOption, 170  
 briar::BriarDatabase, 179

briar::BriarDatabaseInfo, 193  
 briar::BriarDuration, 209  
 briar::BriarDurations, 220  
 briar::BriarDurationsList, 242  
 briar::BriarErrorMessage, 251  
 briar::BriarErrors, 262  
 briar::BriarMatrix, 277  
 briar::BriarMedia, 300  
 briar::BriarPoint2D, 325  
 briar::BriarProgress, 335  
 briar::BriarRect, 345  
 briar::BriarServiceConfigurationReply, 358  
 briar::BriarVector, 379  
 briar::ClusterConfidence, 388  
 briar::ClusterIds, 399  
 briar::ClusterReply, 410  
 briar::ClusterRequest, 424  
 briar::DatabaseCheckpointReply, 436  
 briar::DatabaseCheckpointRequest, 449  
 briar::DatabaseCheckpointSubjectRequest, 462  
 briar::DatabaseCreateReply, 477  
 briar::DatabaseCreateRequest, 490  
 briar::DatabaseDeleteReply, 503  
 briar::DatabaseDeleteRequest, 515  
 briar::DatabaseFinalizeReply, 527  
 briar::DatabaseFinalizeRequest, 538  
 briar::DatabaseHasEntryReply, 549  
 briar::DatabaseHasEntryRequest, 561  
 briar::DatabaseInfoReply, 572  
 briar::DatabaseInfoRequest, 584  
 briar::DatabaseInsertReply, 596  
 briar::DatabaseInsertRequest, 609  
 briar::DatabaseListEntriesReply, 625  
 briar::DatabaseListEntriesRequest, 638  
 briar::DatabaseListReply, 650  
 briar::DatabaseListRequest, 661  
 briar::DatabaseLoadReply, 671  
 briar::DatabaseLoadRequest, 685  
 briar::DatabaseMergeReply, 697  
 briar::DatabaseMergeRequest, 709  
 briar::DatabaseMoveEntryReply, 721  
 briar::DatabaseMoveEntryRequest, 733  
 briar::DatabaseRemoveTmplsReply, 746  
 briar::DatabaseRemoveTmplsRequest, 758  
 briar::DatabaseRenameReply, 771  
 briar::DatabaseRenameRequest, 782  
 briar::DatabaseRetrieveReply, 794  
 briar::DatabaseRetrieveRequest, 809  
 briar::Detection, 824  
 briar::DetectionOptions, 843  
 briar::DetectReply, 865  
 briar::DetectRequest, 882  
 briar::EnhanceOptions, 907  
 briar::EnhanceReply, 921  
 briar::EnhanceRequest, 936  
 briar::EnrollCustomRequest, 951  
 briar::EnrollmentInfo, 970  
 briar::EnrollOptions, 989

briar::EnrollReply, 1011  
briar::EnrollRequest, 1032  
briar::ExtractOptions, 1057  
briar::ExtractReply, 1074  
briar::ExtractRequest, 1091  
briar::FloatOption, 1105  
briar::FrameMetadata, 1116  
briar::IntOption, 1125  
briar::MediaMetadata, 1148  
briar::Record, 1163  
briar::RecordList, 1196  
briar::SearchDatabaseReply, 1206  
briar::SearchDatabaseRequest, 1221  
briar::SearchMatchInfo, 1238  
briar::SearchMatchList, 1259  
briar::SearchOptions, 1270  
briar::SearchReply, 1295  
briar::SearchRequest, 1313  
briar::StatusReply, 1331  
briar::StringOption, 1354  
briar::Template, 1368  
briar::TemplateData, 1383  
briar::TemplateIds, 1401  
briar::TemplateImageInput, 1413  
briar::TemplateList, 1424  
briar::TemplateListGroup, 1434  
briar::TrackingOptions, 1446  
briar::Tracklet, 1462  
briar::TrackReply, 1476  
briar::TrackRequest, 1492  
briar::VerifyDatabaseReply, 1508  
briar::VerifyDatabaseRequest, 1552  
briar::VerifyMatchInfo, 1570  
briar::VerifyMatchList, 1591  
briar::VerifyOptions, 1601  
briar::VerifyReply, 1618  
briar::VerifyRequest, 1635  
clear\_algorithm  
    briar::Record, 1162  
    briar::Template, 1368  
clear\_algorithm\_id  
    briar::DetectionOptions, 843  
    briar::EnhanceOptions, 907  
    briar::ExtractOptions, 1058  
    briar::TrackingOptions, 1446  
clear\_api\_version  
    briar::StatusReply, 1332  
clear\_associated\_detection\_id  
    briar::Template, 1368  
clear\_associated\_tracklet\_id  
    briar::Template, 1369  
clear\_attributes  
    briar::BriarDatabaseInfo, 193  
    briar::Detection, 824  
    briar::DetectionOptions, 843  
    briar::EnhanceOptions, 907  
    briar::EnrollmentInfo, 970  
    briar::EnrollOptions, 989  
briar::ExtractOptions, 1058  
briar::FrameMetadata, 1116  
briar::MediaMetadata, 1148  
briar::Record, 1163  
briar::TrackingOptions, 1446  
briar::Tracklet, 1462  
clear\_average\_entry\_size  
    briar::BriarDatabaseInfo, 193  
clear\_base\_port  
    briar::BriarServiceConfigurationReply, 358  
clear\_best  
    briar::DetectionOptions, 843  
clear\_body  
    briar::SearchMatchInfo, 1238  
    briar::VerifyMatchInfo, 1570  
clear\_body\_min\_height  
    briar::DetectionOptions, 843  
clear\_body\_threshold  
    briar::DetectionOptions, 844  
clear\_buffer  
    briar::Attribute, 147  
    briar::Template, 1369  
clear\_channels  
    briar::BriarMedia, 300  
clear\_client\_duration\_file\_level  
    briar::BriarDurations, 220  
clear\_client\_duration\_frame\_level  
    briar::BriarDurations, 220  
clear\_cluster\_confidences  
    briar::ClusterReply, 410  
clear\_cluster\_ids  
    briar::ClusterReply, 410  
clear\_column\_attributes  
    briar::BriarMatrix, 278  
clear\_column\_headers  
    briar::BriarMatrix, 278  
clear\_column\_headers\_integer  
    briar::BriarMatrix, 278  
clear\_column\_sources  
    briar::BriarMatrix, 278  
clear\_confidence  
    briar::Detection, 824  
clear\_confidences  
    briar::ClusterConfidence, 388  
clear\_configuration  
    briar::StatusReply, 1332  
clear\_cropped  
    briar::EnhanceOptions, 907  
clear\_currentstep  
    briar::BriarProgress, 336  
clear\_data  
    briar::BriarMedia, 300  
    briar::BriarVector, 379  
    briar::Template, 1369  
clear\_database  
    briar::ClusterRequest, 425  
    briar::DatabaseCheckpointRequest, 449  
    briar::DatabaseCheckpointSubjectRequest, 463

briar::DatabaseCreateRequest, 490  
 briar::DatabaseDeleteRequest, 515  
 briar::DatabaseFinalizeRequest, 539  
 briar::DatabaseHasEntryRequest, 561  
 briar::DatabaseInsertRequest, 610  
 briar::DatabaseLoadRequest, 686  
 briar::DatabaseRemoveTmplsRequest, 758  
 briar::DatabaseRenameRequest, 783  
 briar::DatabaseRetrieveRequest, 809  
 briar::EnrollCustomRequest, 951  
 briar::EnrollRequest, 1033  
 briar::SearchDatabaseRequest, 1221  
 briar::SearchRequest, 1313  
**clear\_database\_id**  
     briar::EnrollmentInfo, 970  
     briar::Record, 1163  
**clear\_database\_list**  
     briar::DatabaseMergeRequest, 709  
**clear\_database\_name**  
     briar::DatabaseInfoRequest, 584  
     briar::DatabaseListEntriesRequest, 638  
**clear\_database\_names**  
     briar::DatabaseListReply, 650  
**clear\_database\_new**  
     briar::DatabaseRenameRequest, 783  
**clear\_datetime**  
     briar::BriarMedia, 300  
**clear\_debug**  
     briar::DetectionOptions, 844  
     briar::EnrollOptions, 989  
     briar::ExtractOptions, 1058  
     briar::VerifyOptions, 1601  
**clear\_description**  
     briar::Attribute, 147  
     briar::BriarMedia, 300  
     briar::TemplateData, 1384  
**clear\_detect\_batch**  
     briar::DetectionOptions, 844  
**clear\_detect\_options**  
     briar::DetectRequest, 882  
     briar::EnrollCustomRequest, 952  
     briar::EnrollRequest, 1033  
     briar::ExtractRequest, 1091  
     briar::SearchRequest, 1313  
     briar::TrackRequest, 1492  
     briar::VerifyRequest, 1635  
**clear\_detect\_reply**  
     briar::EnrollReply, 1011  
     briar::ExtractReply, 1074  
     briar::SearchReply, 1295  
     briar::VerifyReply, 1618  
**clear\_detection**  
     briar::Record, 1163  
**clear\_detection\_class**  
     briar::Detection, 824  
**clear\_detection\_id**  
     briar::Detection, 824  
**clear\_detections**

briar::DetectReply, 865  
 briar::EnrollReply, 1011  
 briar::EnrollRequest, 1033  
 briar::ExtractRequest, 1091  
 briar::SearchRequest, 1313  
 briar::TemplateImageInput, 1413  
 briar::Tracklet, 1462  
 briar::VerifyRequest, 1635  
**clear\_dev\_short**  
     briar::StatusReply, 1332  
**clear\_developer\_name**  
     briar::StatusReply, 1332  
**clear\_duration**  
     briar::DatabaseInfoReply, 572  
**clear\_durations**  
     briar::ClusterReply, 411  
     briar::ClusterRequest, 425  
     briar::DatabaseCheckpointReply, 436  
     briar::DatabaseCheckpointRequest, 449  
     briar::DatabaseCheckpointSubjectRequest, 463  
     briar::DatabaseCreateReply, 477  
     briar::DatabaseCreateRequest, 490  
     briar::DatabaseDeleteReply, 503  
     briar::DatabaseDeleteRequest, 515  
     briar::DatabaseFinalizeReply, 527  
     briar::DatabaseInfoRequest, 584  
     briar::DatabaseInsertReply, 596  
     briar::DatabaseInsertRequest, 610  
     briar::DatabaseListentriesReply, 625  
     briar::DatabaseListEntriesRequest, 638  
     briar::DatabaseLoadReply, 672  
     briar::DatabaseLoadRequest, 686  
     briar::DatabaseMergeReply, 697  
     briar::DatabaseMergeRequest, 710  
     briar::DatabaseRemoveTmplsReply, 746  
     briar::DatabaseRemoveTmplsRequest, 758  
     briar::DatabaseRenameReply, 771  
     briar::DatabaseRetrieveReply, 795  
     briar::DatabaseRetrieveRequest, 809  
     briar::DetectReply, 866  
     briar::DetectRequest, 882  
     briar::EnhanceReply, 921  
     briar::EnhanceRequest, 936  
     briar::EnrollCustomRequest, 952  
     briar::EnrollReply, 1011  
     briar::EnrollRequest, 1033  
     briar::ExtractReply, 1074  
     briar::ExtractRequest, 1091  
     briar::SearchDatabaseReply, 1206  
     briar::SearchDatabaseRequest, 1221  
     briar::SearchReply, 1295  
     briar::SearchRequest, 1313  
     briar::TrackReply, 1477  
     briar::TrackRequest, 1492  
     briar::VerifyDatabaseRequest, 1553  
     briar::VerifyReply, 1618  
     briar::VerifyRequest, 1635  
**clear\_durations\_list**

briar::BriarDurationsList, 242  
clear\_enable\_metadata  
    briar::DetectionOptions, 844  
clear\_end  
    briar::BriarDuration, 210  
clear\_enhance\_batch  
    briar::EnhanceOptions, 907  
clear\_enhance\_options  
    briar::EnhanceRequest, 936  
clear\_enroll\_batch  
    briar::EnrollOptions, 989  
clear\_enroll\_flag  
    briar::EnrollOptions, 989  
    briar::EnrollRequest, 1033  
clear\_enroll\_options  
    briar::EnrollCustomRequest, 952  
    briar::EnrollRequest, 1033  
clear\_enrollments  
    briar::EnrollReply, 1011  
clear\_entry\_attributes  
    briar::DatabaseListentriesReply, 625  
clear\_entry\_count  
    briar::BriarDatabaseInfo, 193  
    briar::DatabaseDeleteReply, 503  
    briar::DatabaseMergeReply, 698  
clear\_entry\_id  
    briar::DatabaseHasEntryRequest, 561  
    briar::DatabaseMoveEntryRequest, 733  
    briar::Record, 1163  
clear\_entry\_id\_gallery  
    briar::SearchMatchInfo, 1238  
clear\_entry\_id\_probe  
    briar::SearchMatchInfo, 1238  
clear\_entry\_id\_reference  
    briar::VerifyMatchInfo, 1570  
clear\_entry\_id\_verification  
    briar::VerifyMatchInfo, 1570  
clear\_entry\_ids  
    briar::BriarDatabaseInfo, 193  
    briar::DatabaseListentriesReply, 625  
clear\_entry\_name  
    briar::DetectRequest, 882  
clear\_entry\_sizes  
    briar::BriarDatabaseInfo, 193  
clear\_entry\_type  
    briar::DetectRequest, 882  
    briar::EnrollOptions, 989  
    briar::Record, 1163  
clear\_error\_code  
    briar::BriarErrorMessage, 252  
clear\_error\_message  
    briar::BriarErrorMessage, 252  
clear\_errors  
    briar::BriarErrors, 262  
    briar::ClusterReply, 411  
    briar::DatabaseCheckpointReply, 436  
    briar::DatabaseCheckpointRequest, 450  
    briar::DatabaseCheckpointSubjectRequest, 463  
briar::DatabaseCreateReply, 477  
briar::DatabaseDeleteReply, 503  
briar::DatabaseFinalizeReply, 527  
briar::DatabaseInsertReply, 596  
briar::DatabaseLoadReply, 672  
briar::DatabaseRemoveTmplsReply, 746  
briar::DatabaseRenameReply, 771  
briar::DatabaseRetrieveReply, 795  
briar::DetectReply, 866  
briar::EnhanceReply, 921  
briar::EnrollReply, 1011  
briar::ExtractReply, 1074  
briar::SearchDatabaseReply, 1206  
briar::SearchReply, 1295  
briar::TrackReply, 1477  
briar::VerifyDatabaseReply, 1508  
briar::VerifyReply, 1618  
clear\_exists  
    briar::DatabaseCheckpointReply, 437  
    briar::DatabaseDeleteReply, 503  
    briar::DatabaseFinalizeReply, 527  
    briar::DatabaseHasEntryReply, 549  
    briar::DatabaseInfoReply, 572  
    briar::DatabaseInsertReply, 596  
    briar::DatabaseListentriesReply, 625  
    briar::DatabaseLoadReply, 672  
    briar::DatabaseMergeReply, 698  
    briar::DatabaseRenameReply, 771  
clear\_extract\_batch  
    briar::ExtractOptions, 1058  
clear\_extract\_options  
    briar::EnrollCustomRequest, 952  
    briar::EnrollRequest, 1033  
    briar::ExtractRequest, 1092  
    briar::SearchRequest, 1313  
    briar::VerifyRequest, 1635  
clear\_extract\_reply  
    briar::EnrollReply, 1012  
    briar::SearchReply, 1295  
    briar::VerifyReply, 1618  
clear\_face  
    briar::SearchMatchInfo, 1238  
    briar::VerifyMatchInfo, 1570  
clear\_face\_min\_height  
    briar::DetectionOptions, 844  
clear\_face\_threshold  
    briar::DetectionOptions, 844  
clear\_failed\_enrollment\_count  
    briar::BriarDatabaseInfo, 193  
clear\_flag  
    briar::ExtractOptions, 1058  
    briar::SearchOptions, 1270  
    briar::VerifyOptions, 1601  
    briar::VerifyRequest, 1635  
clear\_frame  
    briar::Detection, 825  
    briar::DetectRequest, 883  
    briar::EnrollRequest, 1033

**clear\_frame\_count**  
 briar::BriarMedia, 300  
**clear\_frame\_end**  
 briar::BriarMedia, 300  
**clear\_frame\_id**  
 briar::DetectReply, 866  
 briar::EnhanceRequest, 936  
 briar::EnrollReply, 1012  
 briar::ExtractReply, 1074  
**clear\_frame\_ids**  
 briar::TrackReply, 1477  
**clear\_frame\_metadata**  
 briar::MediaMetadata, 1148  
**clear\_frame\_number**  
 briar::BriarMedia, 301  
**clear\_frame\_rate**  
 briar::BriarMedia, 301  
**clear\_frame\_start**  
 briar::BriarMedia, 301  
**clear\_from\_database**  
 briar::DatabaseMoveEntryRequest, 733  
**clear\_full**  
 briar::SearchOptions, 1271  
**clear\_fvalue**  
 briar::Attribute, 147  
**clear\_gate**  
 briar::SearchMatchInfo, 1239  
 briar::VerifyMatchInfo, 1571  
**clear\_group**  
 briar::TemplateListGroup, 1434  
**clear\_grpc\_inbound\_transfer\_duration**  
 briar::BriarDurations, 221  
**clear\_grpc\_outbound\_transfer\_duration**  
 briar::BriarDurations, 221  
**clear\_height**  
 briar::BriarMedia, 301  
 briar::BriarRect, 346  
**clear\_id**  
 briar::Template, 1369  
**clear\_ids**  
 briar::ClusterIds, 399  
 briar::DatabaseCreateReply, 477  
 briar::DatabaseInsertReply, 596  
 briar::DatabaseInsertRequest, 610  
 briar::DatabaseLoadReply, 672  
 briar::DatabaseRemoveTmplsRequest, 758  
 briar::DatabaseRetrieveRequest, 809  
 briar::TemplateIds, 1401  
**clear\_im**  
 briar::TemplateImageInput, 1413  
**clear\_info**  
 briar::DatabaseInfoReply, 573  
**clear\_integer\_subject\_id\_gallery**  
 briar::SearchMatchInfo, 1239  
 briar::VerifyMatchInfo, 1571  
**clear\_is\_complete**  
 briar::DatabaseHasEntryReply, 549  
**clear\_iscropped**  
 briar::BriarMedia, 301  
**clear\_ivalue**  
 briar::Attribute, 148  
**clear\_json**  
 briar::Attribute, 148  
**clear\_key**  
 briar::Attribute, 148  
 briar::TemplateData, 1384  
**clear\_length**  
 briar::BriarErrors, 262  
 briar::TemplateIds, 1402  
**clear\_location**  
 briar::Detection, 825  
**clear\_major**  
 briar::APIVersion, 135  
**clear\_mask**  
 briar::Detection, 825  
**clear\_match\_list**  
 briar::SearchMatchList, 1259  
 briar::VerifyMatchList, 1591  
**clear\_match\_matrix**  
 briar::VerifyDatabaseReply, 1508  
**clear\_matrix**  
 briar::Attribute, 148  
**clear\_matrix\_gallery\_attributes**  
 briar::VerifyDatabaseReply, 1508  
**clear\_matrix\_gallery\_detections**  
 briar::VerifyDatabaseReply, 1508  
**clear\_matrix\_gallery\_tracklets**  
 briar::VerifyDatabaseReply, 1509  
**clear\_matrix\_probe\_attributes**  
 briar::VerifyDatabaseReply, 1509  
**clear\_matrix\_probe\_detections**  
 briar::VerifyDatabaseReply, 1509  
**clear\_matrix\_probe\_tracklets**  
 briar::VerifyDatabaseReply, 1509  
**clear\_max\_results**  
 briar::SearchOptions, 1271  
**clear\_media**  
 briar::Attribute, 148  
 briar::Detection, 825  
 briar::DetectRequest, 883  
 briar::EnhanceReply, 921  
 briar::EnhanceRequest, 936  
 briar::EnrollRequest, 1034  
 briar::ExtractRequest, 1092  
 briar::SearchRequest, 1313  
 briar::TrackRequest, 1493  
 briar::VerifyRequest, 1635  
**clear\_media\_id**  
 briar::DetectRequest, 883  
 briar::EnrollmentInfo, 970  
 briar::EnrollOptions, 989  
 briar::EnrollRequest, 1034  
 briar::Record, 1163  
 briar::SearchMatchInfo, 1239  
 briar::VerifyMatchInfo, 1571  
**clear\_media\_previews**

briar::Record, 1163  
clear\_metadata  
    briar::BriarMedia, 301  
    briar::EnhanceRequest, 936  
    briar::Template, 1369  
    briar::TemplateData, 1384  
clear\_minor  
    briar::APIVersion, 135  
clear\_modalities  
    briar::BriarDatabaseInfo, 193  
clear\_modality  
    briar::Detection, 825  
    briar::DetectionOptions, 844  
    briar::DetectReply, 866  
    briar::EnhanceOptions, 907  
    briar::EnrollOptions, 990  
    briar::ExtractOptions, 1058  
    briar::ExtractReply, 1074  
    briar::Record, 1163  
    briar::SearchOptions, 1271  
    briar::Template, 1369  
    briar::TemplateData, 1384  
    briar::TrackingOptions, 1446  
    briar::TrackReply, 1477  
    briar::VerifyOptions, 1602  
clear\_name  
    briar::BriarDatabase, 180  
    briar::BriarDatabaseInfo, 194  
    briar::EnrollmentInfo, 970  
    briar::Record, 1164  
clear\_notes  
    briar::Record, 1164  
clear\_number\_of\_processes\_per\_port  
    briar::BriarServiceConfigurationReply, 358  
clear\_number\_of\_service\_ports  
    briar::BriarServiceConfigurationReply, 358  
clear\_number\_of\_threads\_per\_process  
    briar::BriarServiceConfigurationReply, 358  
clear\_options  
    briar::EnhanceRequest, 937  
    briar::Tracklet, 1463  
clear\_out\_dir  
    briar::SearchOptions, 1271  
clear\_output\_database  
    briar::DatabaseMergeRequest, 710  
clear\_output\_type  
    briar::SearchOptions, 1271  
clear\_override\_default  
    briar::BoolOption, 170  
    briar::FloatOption, 1106  
    briar::IntOption, 1126  
    briar::StringOption, 1355  
clear\_parts  
    briar::Template, 1369  
clear\_patch  
    briar::APIVersion, 135  
clear\_pickle  
    briar::Attribute, 148  
clear\_point  
    briar::Attribute, 148  
clear\_port\_list  
    briar::BriarServiceConfigurationReply, 358  
clear\_probe\_database  
    briar::SearchDatabaseRequest, 1221  
    briar::SearchOptions, 1271  
clear\_probe\_detections  
    briar::SearchReply, 1295  
clear\_probe\_entry\_ids  
    briar::SearchDatabaseRequest, 1221  
    briar::VerifyDatabaseRequest, 1553  
clear\_probes  
    briar::SearchRequest, 1314  
clear\_progress  
    briar::ClusterReply, 411  
    briar::DatabaseHasEntryReply, 550  
    briar::DatabaseMoveEntryReply, 722  
    briar::DetectReply, 866  
    briar::EnhanceReply, 921  
    briar::EnrollReply, 1012  
    briar::ExtractReply, 1074  
    briar::SearchDatabaseReply, 1207  
    briar::SearchReply, 1295  
    briar::TrackReply, 1477  
    briar::VerifyDatabaseReply, 1509  
clear\_progress\_only\_reply  
    briar::DetectReply, 866  
    briar::EnhanceReply, 922  
    briar::EnrollReply, 1012  
    briar::ExtractReply, 1074  
    briar::SearchReply, 1296  
    briar::TrackReply, 1477  
    briar::VerifyReply, 1618  
clear\_record  
    briar::EnrollRequest, 1034  
clear\_records  
    briar::DatabaseLoadReply, 672  
    briar::DatabaseRetrieveReply, 795  
    briar::RecordList, 1196  
clear\_rect  
    briar::Attribute, 148  
clear\_reference\_database  
    briar::VerifyDatabaseRequest, 1553  
clear\_reference\_media  
    briar::DetectReply, 866  
clear\_reference\_tmpls  
    briar::VerifyRequest, 1635  
clear\_regex  
    briar::DatabaseListRequest, 661  
clear\_reporting\_process\_number  
    briar::BriarServiceConfigurationReply, 358  
clear\_return\_matrix  
    briar::SearchOptions, 1271  
clear\_return\_media  
    briar::DetectionOptions, 844  
    briar::EnhanceOptions, 907  
    briar::EnrollOptions, 990

briar::ExtractOptions, 1058  
 briar::SearchOptions, 1271  
 briar::TrackingOptions, 1446  
 briar::VerifyOptions, 1602  
**clear\_role**  
     briar::VerifyRequest, 1636  
**clear\_row\_attributes**  
     briar::BriarMatrix, 278  
**clear\_row\_headers**  
     briar::BriarMatrix, 278  
**clear\_row\_headers\_integer**  
     briar::BriarMatrix, 278  
**clear\_row\_sources**  
     briar::BriarMatrix, 278  
**clear\_rows**  
     briar::BriarMatrix, 279  
**clear\_save\_metadata**  
     briar::EnrollOptions, 990  
**clear\_score**  
     briar::SearchMatchInfo, 1239  
     briar::VerifyMatchInfo, 1571  
**clear\_search\_batch**  
     briar::SearchOptions, 1272  
**clear\_search\_database**  
     briar::SearchOptions, 1272  
**clear\_search\_options**  
     briar::SearchDatabaseRequest, 1222  
     briar::SearchRequest, 1314  
**clear\_search\_threshold**  
     briar::SearchOptions, 1272  
**clear\_segment\_id**  
     briar::BriarMedia, 301  
**clear\_segment\_total**  
     briar::BriarMedia, 301  
**clear\_serverside\_source**  
     briar::BriarMedia, 302  
**clear\_service\_duration**  
     briar::BriarDurations, 221  
**clear\_service\_name**  
     briar::StatusReply, 1332  
**clear\_should\_copy**  
     briar::DatabaseMoveEntryRequest, 733  
**clear\_sigset\_encoded**  
     briar::EnrollCustomRequest, 952  
**clear\_sigset\_name**  
     briar::EnrollCustomRequest, 952  
**clear\_similarities**  
     briar::SearchDatabaseReply, 1207  
     briar::SearchReply, 1296  
     briar::VerifyReply, 1619  
**clear\_source**  
     briar::BriarMedia, 302  
     briar::EnrollmentInfo, 971  
     briar::Record, 1164  
**clear\_source\_id**  
     briar::Record, 1164  
     briar::TemplateData, 1384  
**clear\_source\_type**  
     briar::BriarMedia, 302  
**clear\_start**  
     briar::BriarDuration, 210  
**clear\_status**  
     briar::StatusReply, 1332  
**clear\_store\_media**  
     briar::EnrollOptions, 990  
**clear\_sub\_durations**  
     briar::BriarDurations, 221  
**clear\_subject\_id**  
     briar::DatabaseCheckpointSubjectRequest, 463  
     briar::DetectRequest, 883  
     briar::EnrollmentInfo, 971  
     briar::Record, 1164  
     briar::TrackRequest, 1493  
**clear\_subject\_id\_gallery**  
     briar::SearchMatchInfo, 1239  
**clear\_subject\_id\_integer**  
     briar::EnrollOptions, 990  
     briar::EnrollRequest, 1034  
**clear\_subject\_id\_probe**  
     briar::SearchMatchInfo, 1239  
**clear\_subject\_id\_reference**  
     briar::VerifyMatchInfo, 1571  
**clear\_subject\_id\_verify**  
     briar::VerifyMatchInfo, 1571  
**clear\_subject\_ids**  
     briar::EnrollOptions, 990  
     briar::EnrollRequest, 1034  
**clear\_subject\_name**  
     briar::SearchMatchInfo, 1239  
     briar::TrackRequest, 1493  
     briar::VerifyMatchInfo, 1571  
**clear\_subject\_previews**  
     briar::Record, 1164  
**clear\_submodality**  
     briar::TemplateData, 1384  
**clear\_success**  
     briar::DatabaseMoveEntryReply, 722  
**clear\_template\_**  
     briar::EnrollRequest, 1034  
**clear\_template\_count**  
     briar::BriarDatabaseInfo, 194  
**clear\_templates**  
     briar::DatabaseRetrieveReply, 795  
     briar::ExtractReply, 1075  
     briar::Record, 1164  
**clear\_templates\_per\_entry**  
     briar::BriarDatabaseInfo, 194  
**clear\_text**  
     briar::Attribute, 149  
**clear\_theoretical\_max**  
     briar::SearchMatchInfo, 1239  
     briar::VerifyMatchInfo, 1571  
**clear\_theoretical\_min**  
     briar::SearchMatchInfo, 1240  
     briar::VerifyMatchInfo, 1572  
**clear\_threshold**

briar::TrackingOptions, 1446  
clear\_tmpls  
    briar::DatabaseCreateRequest, 490  
    briar::DatabaseInsertRequest, 610  
    briar::TemplateList, 1424  
clear\_to\_database  
    briar::DatabaseMoveEntryRequest, 733  
clear\_total\_database\_size  
    briar::BriarDatabaseInfo, 194  
clear\_total\_duration  
    briar::BriarDurations, 221  
clear\_totalsteps  
    briar::BriarProgress, 336  
clear\_track\_reply  
    briar::EnrollReply, 1012  
    briar::ExtractReply, 1075  
clear\_tracking\_batch  
    briar::TrackingOptions, 1446  
clear\_tracking\_disable  
    briar::TrackingOptions, 1446  
clear\_tracking\_options  
    briar::DetectionOptions, 845  
clear\_tracklet\_class  
    briar::Tracklet, 1463  
clear\_tracklet\_id  
    briar::Detection, 825  
    briar::TemplateData, 1384  
    briar::Tracklet, 1463  
clear\_tracklets  
    briar::Record, 1164  
    briar::TrackReply, 1477  
clear\_tracks  
    briar::EnrollRequest, 1034  
clear\_type  
    briar::Attribute, 149  
    briar::BriarMedia, 302  
    briar::EnrollmentInfo, 971  
clear\_use\_detections  
    briar::SearchOptions, 1272  
    briar::VerifyOptions, 1602  
clear\_use\_subject\_integer\_id  
    briar::EnrollOptions, 990  
clear\_use\_templates  
    briar::SearchOptions, 1272  
    briar::VerifyOptions, 1602  
clear\_use\_whole\_image  
    briar::VerifyOptions, 1602  
clear\_uses\_integer\_gallery\_id  
    briar::VerifyMatchInfo, 1572  
clear\_uses\_integer\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1240  
    briar::VerifyDatabaseReply, 1509  
clear\_value  
    briar::BoolOption, 170  
    briar::FloatOption, 1106  
    briar::IntOption, 1126  
    briar::StringOption, 1355  
clear\_vector  
    briar::Attribute, 149  
clear\_verify\_database  
    briar::VerifyDatabaseRequest, 1553  
clear\_verify\_options  
    briar::VerifyDatabaseRequest, 1553  
    briar::VerifyRequest, 1636  
clear\_version  
    briar::StatusReply, 1332  
clear\_width  
    briar::BriarMedia, 302  
    briar::BriarRect, 346  
clear\_x  
    briar::BriarPoint2D, 326  
    briar::BriarRect, 346  
clear\_xml  
    briar::Attribute, 149  
clear\_y  
    briar::BriarPoint2D, 326  
    briar::BriarRect, 346  
client\_duration\_file\_level  
    briar::BriarDurations, 221  
    briar::BriarDurations::Internal, 71  
client\_duration\_frame\_level  
    briar::BriarDurations, 221  
    briar::BriarDurations::Internal, 71  
cluster\_confidences  
    briar::ClusterReply, 411  
cluster\_confidences\_size  
    briar::ClusterReply, 411  
cluster\_ids  
    briar::ClusterReply, 411, 412  
cluster\_ids\_size  
    briar::ClusterReply, 412  
ClusterConfidence  
    briar::ClusterConfidence, 387, 388  
ClusterConfidenceDefaultTypeInternal  
    briar::ClusterConfidenceDefaultTypeInternal, 393  
ClusterIds  
    briar::ClusterIds, 397  
ClusterIdsDefaultTypeInternal  
    briar::ClusterIdsDefaultTypeInternal, 405  
ClusterReply  
    briar::ClusterReply, 409  
ClusterReplyDefaultTypeInternal  
    briar::ClusterReplyDefaultTypeInternal, 420  
ClusterRequest  
    briar::ClusterRequest, 423, 424  
ClusterRequestDefaultTypeInternal  
    briar::ClusterRequestDefaultTypeInternal, 431  
column\_attributes  
    briar::BriarMatrix, 279  
column\_attributes\_size  
    briar::BriarMatrix, 279  
column\_headers  
    briar::BriarMatrix, 279  
column\_headers\_integer  
    briar::BriarMatrix, 279, 280  
column\_headers\_integer\_size

briar::BriarMatrix, 280  
column\_headers\_size  
    briar::BriarMatrix, 280  
column\_sources  
    briar::BriarMatrix, 280  
column\_sources\_size  
    briar::BriarMatrix, 280  
confidence  
    briar::Detection, 825  
confidences  
    briar::ClusterConfidence, 389  
configuration  
    briar::StatusReply, 1332, 1333  
configuration\_size  
    briar::StatusReply, 1333  
CopyFrom  
    briar::APIVersion, 135  
    briar::Attribute, 149  
    briar::BoolOption, 170  
    briar::BriarDatabase, 180  
    briar::BriarDatabaseInfo, 194  
    briar::BriarDuration, 210  
    briar::BriarDurations, 222  
    briar::BriarDurationsList, 242  
    briar::BriarErrorMessage, 252  
    briar::BriarErrors, 262  
    briar::BriarMatrix, 280  
    briar::BriarMedia, 302  
    briar::BriarPoint2D, 326  
    briar::BriarProgress, 336  
    briar::BriarRect, 346  
    briar::BriarServiceConfigurationReply, 359  
    briar::BriarServiceConfigurationRequest, 370  
    briar::BriarVector, 379  
    briar::ClusterConfidence, 389  
    briar::ClusterIds, 399  
    briar::ClusterReply, 412  
    briar::ClusterRequest, 425  
    briar::DatabaseCheckpointReply, 437  
    briar::DatabaseCheckpointRequest, 450  
    briar::DatabaseCheckpointSubjectRequest, 463  
    briar::DatabaseCreateReply, 477  
    briar::DatabaseCreateRequest, 490  
    briar::DatabaseDeleteReply, 503  
    briar::DatabaseDeleteRequest, 516  
    briar::DatabaseFinalizeReply, 527  
    briar::DatabaseFinalizeRequest, 539  
    briar::DatabaseHasEntryReply, 550  
    briar::DatabaseHasEntryRequest, 561  
    briar::DatabaseInfoReply, 573  
    briar::DatabaseInfoRequest, 585  
    briar::DatabaseInsertReply, 597  
    briar::DatabaseInsertRequest, 610  
    briar::DatabaseListentriesReply, 625  
    briar::DatabaseListEntriesRequest, 639  
    briar::DatabaseListReply, 650  
    briar::DatabaseListRequest, 661  
    briar::DatabaseLoadReply, 672  
    briar::DatabaseLoadRequest, 686  
    briar::DatabaseMergeReply, 698  
    briar::DatabaseMergeRequest, 710  
    briar::DatabaseMoveEntryReply, 722  
    briar::DatabaseMoveEntryRequest, 734  
    briar::DatabaseRemoveTmplsReply, 747  
    briar::DatabaseRemoveTmplsRequest, 758  
    briar::DatabaseRenameReply, 771  
    briar::DatabaseRenameRequest, 783  
    briar::DatabaseRetrieveReply, 795  
    briar::DatabaseRetrieveRequest, 809  
    briar::Detection, 825  
    briar::DetectionOptions, 845  
    briar::DetectReply, 866  
    briar::DetectRequest, 883  
    briar::Empty, 897  
    briar::EnhanceOptions, 907  
    briar::EnhanceReply, 922  
    briar::EnhanceRequest, 937  
    briar::EnrollCustomRequest, 952  
    briar::EnrollmentInfo, 971  
    briar::EnrollOptions, 990  
    briar::EnrollReply, 1012  
    briar::EnrollRequest, 1034  
    briar::ExtractOptions, 1058  
    briar::ExtractReply, 1075  
    briar::ExtractRequest, 1092  
    briar::FloatOption, 1106  
    briar::FrameMetadata, 1116  
    briar::IntOption, 1126  
    briar::MediaMetadata, 1149  
    briar::Record, 1165  
    briar::RecordList, 1196  
    briar::SearchDatabaseReply, 1207  
    briar::SearchDatabaseRequest, 1222  
    briar::SearchMatchInfo, 1240  
    briar::SearchMatchList, 1259  
    briar::SearchOptions, 1272  
    briar::SearchReply, 1296  
    briar::SearchRequest, 1314  
    briar::StatusReply, 1333  
    briar::StatusRequest, 1346  
    briar::StringOption, 1355  
    briar::Template, 1369  
    briar::TemplateData, 1384  
    briar::TemplateIds, 1402  
    briar::TemplateImageInput, 1413  
    briar::TemplateList, 1424  
    briar::TemplateListGroup, 1434  
    briar::TrackingOptions, 1447  
    briar::Tracklet, 1463  
    briar::TrackReply, 1477  
    briar::TrackRequest, 1493  
    briar::VerifyDatabaseReply, 1509  
    briar::VerifyDatabaseRequest, 1553  
    briar::VerifyMatchInfo, 1572  
    briar::VerifyMatchList, 1591  
    briar::VerifyOptions, 1602

briar::VerifyReply, 1619  
briar::VerifyRequest, 1636  
cropped  
    briar::EnhanceOptions, 908  
currentstep  
    briar::BriarProgress, 336

data  
    briar::BriarMedia, 302  
    briar::BriarVector, 379  
    briar::Template, 1370  
    briar::Template::\_Internal, 120

data\_size  
    briar::BriarVector, 379

database  
    briar::ClusterRequest, 425  
    briar::ClusterRequest::\_Internal, 75  
    briar::DatabaseCheckpointRequest, 450  
    briar::DatabaseCheckpointRequest::\_Internal, 76  
    briar::DatabaseCheckpointSubjectRequest, 463  
    briar::DatabaseCheckpointSubjectRequest::\_Internal,  
        77  
    briar::DatabaseCreateRequest, 490  
    briar::DatabaseCreateRequest::\_Internal, 79  
    briar::DatabaseDeleteRequest, 516  
    briar::DatabaseDeleteRequest::\_Internal, 80  
    briar::DatabaseFinalizeRequest, 539  
    briar::DatabaseFinalizeRequest::\_Internal, 81  
    briar::DatabaseHasEntryRequest, 561  
    briar::DatabaseHasEntryRequest::\_Internal, 82  
    briar::DatabaseInsertRequest, 610  
    briar::DatabaseInsertRequest::\_Internal, 84  
    briar::DatabaseLoadRequest, 686  
    briar::DatabaseLoadRequest::\_Internal, 87  
    briar::DatabaseRemoveTmplsRequest, 758  
    briar::DatabaseRemoveTmplsRequest::\_Internal,  
        91  
    briar::DatabaseRenameRequest, 783  
    briar::DatabaseRenameRequest::\_Internal, 92  
    briar::DatabaseRetrieveRequest, 809  
    briar::DatabaseRetrieveRequest::\_Internal, 93  
    briar::EnrollCustomRequest, 952  
    briar::EnrollCustomRequest::\_Internal, 102  
    briar::EnrollRequest, 1035  
    briar::EnrollRequest::\_Internal, 106  
    briar::SearchDatabaseRequest, 1222  
    briar::SearchDatabaseRequest::\_Internal, 112  
    briar::SearchRequest, 1314  
    briar::SearchRequest::\_Internal, 118

database\_id  
    briar::EnrollmentInfo, 971  
    briar::Record, 1165  
    briar::Record::\_Internal, 111

database\_list  
    briar::DatabaseMergeRequest, 710

database\_list\_size  
    briar::DatabaseMergeRequest, 710

database\_name  
    briar::DatabaseInfoRequest, 585

briar::DatabaseListEntriesRequest, 639  
database\_names  
    briar::DatabaseListReply, 651  
database\_names\_size  
    briar::DatabaseListReply, 651  
database\_new  
    briar::DatabaseRenameRequest, 783  
    briar::DatabaseRenameRequest::\_Internal, 92

DatabaseCheckpointReply  
    briar::DatabaseCheckpointReply, 435

DatabaseCheckpointReplyDefaultTypeInternal  
    briar::DatabaseCheckpointReplyDefaultTypeInternal,  
        443

DatabaseCheckpointRequest  
    briar::DatabaseCheckpointRequest, 448

DatabaseCheckpointRequestDefaultTypeInternal  
    briar::DatabaseCheckpointRequestDefaultTypeInternal,  
        457

DatabaseCheckpointSubjectRequest  
    briar::DatabaseCheckpointSubjectRequest, 461,  
        462

DatabaseCheckpointSubjectRequestDefaultTypeInternal  
    briar::DatabaseCheckpointSubjectRequestDefaultTypeInternal,  
        472

DatabaseCreateReply  
    briar::DatabaseCreateReply, 475, 476

DatabaseCreateReplyDefaultTypeInternal  
    briar::DatabaseCreateReplyDefaultTypeInternal,  
        485

DatabaseCreateRequest  
    briar::DatabaseCreateRequest, 488, 489

DatabaseCreateRequestDefaultTypeInternal  
    briar::DatabaseCreateRequestDefaultTypeInternal,  
        498

DatabaseDeleteReply  
    briar::DatabaseDeleteReply, 501, 502

DatabaseDeleteReplyDefaultTypeInternal  
    briar::DatabaseDeleteReplyDefaultTypeInternal,  
        510

DatabaseDeleteRequest  
    briar::DatabaseDeleteRequest, 514

DatabaseDeleteRequestDefaultTypeInternal  
    briar::DatabaseDeleteRequestDefaultTypeInternal,  
        522

DatabaseFinalizeReply  
    briar::DatabaseFinalizeReply, 525, 526

DatabaseFinalizeReplyDefaultTypeInternal  
    briar::DatabaseFinalizeReplyDefaultTypeInternal,  
        534

DatabaseFinalizeRequest  
    briar::DatabaseFinalizeRequest, 537, 538

DatabaseFinalizeRequestDefaultTypeInternal  
    briar::DatabaseFinalizeRequestDefaultTypeInternal,  
        544

DatabaseHasEntryReply  
    briar::DatabaseHasEntryReply, 548

DatabaseHasEntryReplyDefaultTypeInternal

briar::DatabaseHasEntryReplyDefaultTypeInternal, 556  
**DatabaseHasEntryRequest**  
 briar::DatabaseHasEntryRequest, 559, 560  
**DatabaseHasEntryRequestDefaultTypeInternal**  
 briar::DatabaseHasEntryRequestDefaultTypeInternal, 567  
**DatabaseInfoReply**  
 briar::DatabaseInfoReply, 571  
**DatabaseInfoReplyDefaultTypeInternal**  
 briar::DatabaseInfoReplyDefaultTypeInternal, 579  
**DatabaseInfoRequest**  
 briar::DatabaseInfoRequest, 583  
**DatabaseInfoRequestDefaultTypeInternal**  
 briar::DatabaseInfoRequestDefaultTypeInternal, 591  
**DatabaseInsertReply**  
 briar::DatabaseInsertReply, 594, 595  
**DatabaseInsertReplyDefaultTypeInternal**  
 briar::DatabaseInsertReplyDefaultTypeInternal, 604  
**DatabaseInsertRequest**  
 briar::DatabaseInsertRequest, 608, 609  
**DatabaseInsertRequestDefaultTypeInternal**  
 briar::DatabaseInsertRequestDefaultTypeInternal, 619  
**DatabaseListentriesReply**  
 briar::DatabaseListentriesReply, 622, 623  
**DatabaseListentriesReplyDefaultTypeInternal**  
 briar::DatabaseListentriesReplyDefaultTypeInternal, 633  
**DatabaseListEntriesRequest**  
 briar::DatabaseListEntriesRequest, 637  
**DatabaseListEntriesRequestDefaultTypeInternal**  
 briar::DatabaseListEntriesRequestDefaultTypeInternal, 645  
**DatabaseListReply**  
 briar::DatabaseListReply, 648, 649  
**DatabaseListReplyDefaultTypeInternal**  
 briar::DatabaseListReplyDefaultTypeInternal, 656  
**DatabaseListRequest**  
 briar::DatabaseListRequest, 660  
**DatabaseListRequestDefaultTypeInternal**  
 briar::DatabaseListRequestDefaultTypeInternal, 666  
**DatabaseLoadReply**  
 briar::DatabaseLoadReply, 670, 671  
**DatabaseLoadReplyDefaultTypeInternal**  
 briar::DatabaseLoadReplyDefaultTypeInternal, 681  
**DatabaseLoadRequest**  
 briar::DatabaseLoadRequest, 684, 685  
**DatabaseLoadRequestDefaultTypeInternal**  
 briar::DatabaseLoadRequestDefaultTypeInternal, 692  
**DatabaseMergeReply**  
 briar::DatabaseMergeReply, 696  
**DatabaseMergeReplyDefaultTypeInternal**  
 briar::DatabaseMergeReplyDefaultTypeInternal, 704  
**DatabaseMergeRequest**  
 briar::DatabaseMergeRequest, 708  
**DatabaseMergeRequestDefaultTypeInternal**  
 briar::DatabaseMergeRequestDefaultTypeInternal, 717  
**DatabaseMoveEntryReply**  
 briar::DatabaseMoveEntryReply, 720, 721  
**DatabaseMoveEntryReplyDefaultTypeInternal**  
 briar::DatabaseMoveEntryReplyDefaultTypeInternal, 728  
**DatabaseMoveEntryRequest**  
 briar::DatabaseMoveEntryRequest, 731, 732  
**DatabaseMoveEntryRequestDefaultTypeInternal**  
 briar::DatabaseMoveEntryRequestDefaultTypeInternal, 741  
**DatabaseRemoveTmplsReply**  
 briar::DatabaseRemoveTmplsReply, 745  
**DatabaseRemoveTmplsReplyDefaultTypeInternal**  
 briar::DatabaseRemoveTmplsReplyDefaultTypeInternal, 753  
**DatabaseRemoveTmplsRequest**  
 briar::DatabaseRemoveTmplsRequest, 756, 757  
**DatabaseRemoveTmplsRequestDefaultTypeInternal**  
 briar::DatabaseRemoveTmplsRequestDefaultTypeInternal, 766  
**DatabaseRenameReply**  
 briar::DatabaseRenameReply, 769, 770  
**DatabaseRenameReplyDefaultTypeInternal**  
 briar::DatabaseRenameReplyDefaultTypeInternal, 778  
**DatabaseRenameRequest**  
 briar::DatabaseRenameRequest, 781, 782  
**DatabaseRenameRequestDefaultTypeInternal**  
 briar::DatabaseRenameRequestDefaultTypeInternal, 789  
**DatabaseRetrieveReply**  
 briar::DatabaseRetrieveReply, 793, 794  
**DatabaseRetrieveReplyDefaultTypeInternal**  
 briar::DatabaseRetrieveReplyDefaultTypeInternal, 804  
**DatabaseRetrieveRequest**  
 briar::DatabaseRetrieveRequest, 807, 808  
**DatabaseRetrieveRequestDefaultTypeInternal**  
 briar::DatabaseRetrieveRequestDefaultTypeInternal, 817  
**DataType**  
 briar::BriarMedia, 297  
**DataType\_ARRAYSIZE**  
 briar::BriarMedia, 315  
**DataType\_descriptor**  
 briar::BriarMedia, 303  
**DataType\_IsValid**  
 briar::BriarMedia, 303  
**DataType\_MAX**  
 briar::BriarMedia, 315  
**DataType\_MIN**

briar::BriarMedia, 315  
DataType\_Name  
    briar::BriarMedia, 303  
DataType\_Parse  
    briar::BriarMedia, 303  
datetime  
    briar::BriarMedia, 303  
debug  
    briar::DetectionOptions, 845  
    briar::DetectionOptions::\_Internal, 96  
    briar::EnrollOptions, 991  
    briar::EnrollOptions::\_Internal, 103  
    briar::ExtractOptions, 1059  
    briar::ExtractOptions::\_Internal, 107  
    briar::VerifyOptions, 1602  
    briar::VerifyOptions::\_Internal, 127  
default\_instance  
    briar::APIVersion, 135  
    briar::Attribute, 149  
    briar::BoolOption, 170  
    briar::BriarDatabase, 180  
    briar::BriarDatabaseInfo, 194  
    briar::BriarDuration, 210  
    briar::BriarDurations, 222  
    briar::BriarDurationsList, 242  
    briar::BriarErrorMessage, 252  
    briar::BriarErrors, 263  
    briar::BriarMatrix, 281  
    briar::BriarMedia, 303  
    briar::BriarPoint2D, 326  
    briar::BriarProgress, 336  
    briar::BriarRect, 346  
    briar::BriarServiceConfigurationReply, 359  
    briar::BriarServiceConfigurationRequest, 370  
    briar::BriarVector, 379  
    briar::ClusterConfidence, 389  
    briar::ClusterIds, 399  
    briar::ClusterReply, 412  
    briar::ClusterRequest, 425  
    briar::DatabaseCheckpointReply, 437  
    briar::DatabaseCheckpointRequest, 450  
    briar::DatabaseCheckpointSubjectRequest, 463  
    briar::DatabaseCreateReply, 477  
    briar::DatabaseCreateRequest, 490  
    briar::DatabaseDeleteReply, 503  
    briar::DatabaseDeleteRequest, 516  
    briar::DatabaseFinalizeReply, 527  
    briar::DatabaseFinalizeRequest, 539  
    briar::DatabaseHasEntryReply, 550  
    briar::DatabaseHasEntryRequest, 561  
    briar::DatabaseInfoReply, 573  
    briar::DatabaseInfoRequest, 585  
    briar::DatabaseInsertReply, 597  
    briar::DatabaseInsertRequest, 610  
    briar::DatabaseListentriesReply, 626  
    briar::DatabaseListEntriesRequest, 639  
    briar::DatabaseListReply, 651  
    briar::DatabaseListRequest, 661  
briar::DatabaseLoadReply, 672  
briar::DatabaseLoadRequest, 686  
briar::DatabaseMergeReply, 698  
briar::DatabaseMergeRequest, 710  
briar::DatabaseMoveEntryReply, 722  
briar::DatabaseMoveEntryRequest, 734  
briar::DatabaseRemoveTmplsReply, 747  
briar::DatabaseRemoveTmplsRequest, 758  
briar::DatabaseRenameReply, 771  
briar::DatabaseRenameRequest, 783  
briar::DatabaseRetrieveReply, 795  
briar::DatabaseRetrieveRequest, 809  
briar::Detection, 826  
briar::DetectionOptions, 845  
briar::DetectReply, 867  
briar::DetectRequest, 883  
briar::Empty, 897  
briar::EnhanceOptions, 908  
briar::EnhanceReply, 922  
briar::EnhanceRequest, 937  
briar::EnrollCustomRequest, 953  
briar::EnrollmentInfo, 971  
briar::EnrollOptions, 991  
briar::EnrollReply, 1012  
briar::EnrollRequest, 1035  
briar::ExtractOptions, 1059  
briar::ExtractReply, 1075  
briar::ExtractRequest, 1092  
briar::FloatOption, 1106  
briar::FrameMetadata, 1116  
briar::IntOption, 1126  
briar::MediaMetadata, 1149  
briar::Record, 1165  
briar::RecordList, 1196  
briar::SearchDatabaseReply, 1207  
briar::SearchDatabaseRequest, 1222  
briar::SearchMatchInfo, 1240  
briar::SearchMatchList, 1259  
briar::SearchOptions, 1272  
briar::SearchReply, 1296  
briar::SearchRequest, 1314  
briar::StatusReply, 1333  
briar::StatusRequest, 1346  
briar::StringOption, 1355  
briar::Template, 1370  
briar::TemplateData, 1385  
briar::TemplateIds, 1402  
briar::TemplateImageInput, 1413  
briar::TemplateList, 1424  
briar::TemplateListGroup, 1434  
briar::TrackingOptions, 1447  
briar::Tracklet, 1463  
briar::TrackReply, 1478  
briar::TrackRequest, 1493  
briar::VerifyDatabaseReply, 1509  
briar::VerifyDatabaseRequest, 1553  
briar::VerifyMatchInfo, 1572  
briar::VerifyMatchList, 1591

briar::VerifyOptions, 1603  
 briar::VerifyReply, 1619  
 briar::VerifyRequest, 1636  
 description  
   briar::Attribute, 149  
   briar::BriarMedia, 303  
   briar::TemplateData, 1385  
 descriptor  
   briar::APIVersion, 135  
   briar::Attribute, 150  
   briar::BoolOption, 170  
   briar::BriarDatabase, 180  
   briar::BriarDatabaseInfo, 194  
   briar::BriarDuration, 210  
   briar::BriarDurations, 222  
   briar::BriarDurationsList, 242  
   briar::BriarErrorMessage, 252  
   briar::BriarErrors, 263  
   briar::BriarMatrix, 281  
   briar::BriarMedia, 304  
   briar::BriarPoint2D, 326  
   briar::BriarProgress, 336  
   briar::BriarRect, 346  
   briar::BriarServiceConfigurationReply, 359  
   briar::BriarServiceConfigurationRequest, 370  
   briar::BriarVector, 380  
   briar::ClusterConfidence, 389  
   briar::ClusterIds, 399  
   briar::ClusterReply, 412  
   briar::ClusterRequest, 425  
   briar::DatabaseCheckpointReply, 437  
   briar::DatabaseCheckpointRequest, 450  
   briar::DatabaseCheckpointSubjectRequest, 464  
   briar::DatabaseCreateReply, 477  
   briar::DatabaseCreateRequest, 491  
   briar::DatabaseDeleteReply, 504  
   briar::DatabaseDeleteRequest, 516  
   briar::DatabaseFinalizeReply, 527  
   briar::DatabaseFinalizeRequest, 539  
   briar::DatabaseHasEntryReply, 550  
   briar::DatabaseHasEntryRequest, 561  
   briar::DatabaseInfoReply, 573  
   briar::DatabaseInfoRequest, 585  
   briar::DatabaseInsertReply, 597  
   briar::DatabaseInsertRequest, 611  
   briar::DatabaseListEntriesReply, 626  
   briar::DatabaseListEntriesRequest, 639  
   briar::DatabaseListReply, 651  
   briar::DatabaseListRequest, 661  
   briar::DatabaseLoadReply, 673  
   briar::DatabaseLoadRequest, 686  
   briar::DatabaseMergeReply, 698  
   briar::DatabaseMergeRequest, 711  
   briar::DatabaseMoveEntryReply, 722  
   briar::DatabaseMoveEntryRequest, 734  
   briar::DatabaseRemoveTmplsReply, 747  
   briar::DatabaseRemoveTmplsRequest, 759  
   briar::DatabaseRenameReply, 771  
   briar::DatabaseRenameRequest, 783  
   briar::DatabaseRetrieveReply, 795  
   briar::DatabaseRetrieveRequest, 810  
   briar::Detection, 826  
   briar::DetectionOptions, 845  
   briar::DetectReply, 867  
   briar::DetectRequest, 883  
   briar::Empty, 897  
   briar::EnhanceOptions, 908  
   briar::EnhanceReply, 922  
   briar::EnhanceRequest, 937  
   briar::EnrollCustomRequest, 953  
   briar::EnrollmentInfo, 971  
   briar::EnrollOptions, 991  
   briar::EnrollReply, 1013  
   briar::EnrollRequest, 1035  
   briar::ExtractOptions, 1059  
   briar::ExtractReply, 1075  
   briar::ExtractRequest, 1092  
   briar::FloatOption, 1106  
   briar::FrameMetadata, 1117  
   briar::IntOption, 1126  
   briar::MediaMetadata, 1149  
   briar::Record, 1165  
   briar::RecordList, 1196  
   briar::SearchDatabaseReply, 1207  
   briar::SearchDatabaseRequest, 1222  
   briar::SearchMatchInfo, 1240  
   briar::SearchMatchList, 1259  
   briar::SearchOptions, 1273  
   briar::SearchReply, 1296  
   briar::SearchRequest, 1314  
   briar::StatusReply, 1333  
   briar::StatusRequest, 1346  
   briar::StringOption, 1355  
   briar::Template, 1370  
   briar::TemplateData, 1385  
   briar::TemplateIds, 1402  
   briar::TemplateImageInput, 1413  
   briar::TemplateList, 1424  
   briar::TemplateListGroup, 1434  
   briar::TrackingOptions, 1447  
   briar::Tracklet, 1463  
   briar::TrackReply, 1478  
   briar::TrackRequest, 1493  
   briar::VerifyDatabaseReply, 1510  
   briar::VerifyDatabaseRequest, 1554  
   briar::VerifyMatchInfo, 1572  
   briar::VerifyMatchList, 1591  
   briar::VerifyOptions, 1603  
   briar::VerifyReply, 1619  
   briar::VerifyRequest, 1636  
 descriptor\_table\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto  
   briar.pb.cc, 1672  
   briar.pb.h, 1688  
 descriptor\_table\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eproto\_getter  
   briar.pb.cc, 1672  
 descriptor\_table\_briar\_2fbriar\_5fgRPC\_2fbriar\_5ferror\_2eproto

briar\_error.pb.cc, 1691  
briar\_error.pb.h, 1694  
descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eprotodecode\_size  
briar\_error.pb.cc, 1690  
descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotodetect\_size  
briar\_service.pb.cc, 1722  
briar\_service.pb.h, 1739  
descriptor\_table\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprotodetect\_size  
briar\_service.pb.cc, 1722  
detect\_batch  
briar::DetectionOptions, 845  
briar::DetectionOptions::\_Internal, 96  
detect\_options  
briar::DetectRequest, 884  
briar::DetectRequest::\_Internal, 98  
briar::EnrollCustomRequest, 953  
briar::EnrollCustomRequest::\_Internal, 102  
briar::EnrollRequest, 1035  
briar::EnrollRequest::\_Internal, 106  
briar::ExtractRequest, 1092  
briar::ExtractRequest::\_Internal, 109  
briar::SearchRequest, 1314  
briar::SearchRequest::\_Internal, 118  
briar::TrackRequest, 1493  
briar::TrackRequest::\_Internal, 124  
briar::VerifyRequest, 1636  
briar::VerifyRequest::\_Internal, 129  
detect\_reply  
briar::EnrollReply, 1013  
briar::EnrollReply::\_Internal, 104  
briar::ExtractReply, 1075  
briar::ExtractReply::\_Internal, 108  
briar::SearchReply, 1296  
briar::SearchReply::\_Internal, 116  
briar::VerifyReply, 1619  
briar::VerifyReply::\_Internal, 128  
Detection  
briar::Detection, 822, 823  
detection  
briar::Record, 1165  
briar::Record::\_Internal, 111  
detection\_class  
briar::Detection, 826  
detection\_id  
briar::Detection, 826  
DetectionDefaultTypeInternal  
briar::DetectionDefaultTypeInternal, 835  
DetectionOptions  
briar::DetectionOptions, 840, 841  
DetectionOptionsDefaultTypeInternal  
briar::DetectionOptionsDefaultTypeInternal, 860  
detections  
briar::DetectReply, 867  
briar::EnrollReply, 1013  
briar::EnrollRequest, 1035  
briar::ExtractRequest, 1092, 1093  
briar::SearchRequest, 1315  
briar::TemplateImageInput, 1413, 1414  
briar::Tracklet, 1463, 1464  
briar::VerifyRequest, 1636, 1637  
briar::DetectReply, 867  
briar::EnrollReply, 1013  
briar::EnrollRequest, 1035  
briar::ExtractRequest, 1093  
briar::SearchRequest, 1315  
briar::TemplateImageInput, 1414  
briar::Tracklet, 1464  
briar::VerifyRequest, 1637  
DetectReply  
briar::DetectReply, 864  
DetectReplyDefaultTypeInternal  
briar::DetectReplyDefaultTypeInternal, 876  
DetectRequest  
briar::DetectRequest, 881  
DetectRequestDefaultTypeInternal  
briar::DetectRequestDefaultTypeInternal, 894  
dev\_short  
briar::StatusReply, 1333  
developer\_name  
briar::StatusReply, 1333  
duration  
briar::DatabaseInfoReply, 573  
briar::DatabaseInfoReply::\_Internal, 83  
durations  
briar::ClusterReply, 412  
briar::ClusterReply::\_Internal, 74  
briar::ClusterRequest, 425  
briar::ClusterRequest::\_Internal, 75  
briar::DatabaseCheckpointReply, 437  
briar::DatabaseCheckpointReply::\_Internal, 76  
briar::DatabaseCheckpointRequest, 450  
briar::DatabaseCheckpointRequest::\_Internal, 76  
briar::DatabaseCheckpointSubjectRequest, 464  
briar::DatabaseCheckpointSubjectRequest::\_Internal, 77  
briar::DatabaseCreateReply, 478  
briar::DatabaseCreateReply::\_Internal, 78  
briar::DatabaseCreateRequest, 491  
briar::DatabaseCreateRequest::\_Internal, 79  
briar::DatabaseDeleteReply, 504  
briar::DatabaseDeleteReply::\_Internal, 79  
briar::DatabaseDeleteRequest, 516  
briar::DatabaseDeleteRequest::\_Internal, 80  
briar::DatabaseFinalizeReply, 528  
briar::DatabaseFinalizeReply::\_Internal, 81  
briar::DatabaseInfoRequest, 585  
briar::DatabaseInfoRequest::\_Internal, 83  
briar::DatabaseInsertReply, 597  
briar::DatabaseInsertReply::\_Internal, 84  
briar::DatabaseInsertRequest, 611  
briar::DatabaseInsertRequest::\_Internal, 84  
briar::DatabaseListEntriesReply, 626  
briar::DatabaseListEntriesReply::\_Internal, 85  
briar::DatabaseListEntriesRequest, 639  
briar::DatabaseListEntriesRequest::\_Internal, 86

briar::DatabaseLoadReply, 673  
 briar::DatabaseLoadReply::\_Internal, 86  
 briar::DatabaseLoadRequest, 686  
 briar::DatabaseLoadRequest::\_Internal, 87  
 briar::DatabaseMergeReply, 698  
 briar::DatabaseMergeReply::\_Internal, 88  
 briar::DatabaseMergeRequest, 711  
 briar::DatabaseMergeRequest::\_Internal, 88  
 briar::DatabaseRemoveTmplsReply, 747  
 briar::DatabaseRemoveTmplsReply::\_Internal, 90  
 briar::DatabaseRemoveTmplsRequest, 759  
 briar::DatabaseRemoveTmplsRequest::\_Internal,  
     91  
 briar::DatabaseRenameReply, 772  
 briar::DatabaseRenameReply::\_Internal, 91  
 briar::DatabaseRetrieveReply, 796  
 briar::DatabaseRetrieveReply::\_Internal, 93  
 briar::DatabaseRetrieveRequest, 810  
 briar::DatabaseRetrieveRequest::\_Internal, 94  
 briar::DetectReply, 867  
 briar::DetectReply::\_Internal, 97  
 briar::DetectRequest, 884  
 briar::DetectRequest::\_Internal, 98  
 briar::EnhanceReply, 922  
 briar::EnhanceReply::\_Internal, 100  
 briar::EnhanceRequest, 937  
 briar::EnhanceRequest::\_Internal, 101  
 briar::EnrollCustomRequest, 953  
 briar::EnrollCustomRequest::\_Internal, 102  
 briar::EnrollReply, 1013  
 briar::EnrollReply::\_Internal, 104  
 briar::EnrollRequest, 1036  
 briar::EnrollRequest::\_Internal, 106  
 briar::ExtractReply, 1075  
 briar::ExtractReply::\_Internal, 108  
 briar::ExtractRequest, 1093  
 briar::ExtractRequest::\_Internal, 109  
 briar::SearchDatabaseReply, 1207  
 briar::SearchDatabaseRequest, 1222  
 briar::SearchDatabaseRequest::\_Internal, 112  
 briar::SearchReply, 1296  
 briar::SearchReply::\_Internal, 117  
 briar::SearchRequest, 1315  
 briar::SearchRequest::\_Internal, 118  
 briar::TrackReply, 1478  
 briar::TrackReply::\_Internal, 123  
 briar::TrackRequest, 1494  
 briar::TrackRequest::\_Internal, 124  
 briar::VerifyDatabaseRequest, 1554  
 briar::VerifyDatabaseRequest::\_Internal, 125  
 briar::VerifyReply, 1619  
 briar::VerifyReply::\_Internal, 128  
 briar::VerifyRequest, 1637  
 briar::VerifyRequest::\_Internal, 130  
 durations\_list  
     briar::BriarDurationsList, 242  
 durations\_list\_size  
     briar::BriarDurationsList, 243  
 durations\_size  
     briar::SearchDatabaseReply, 1208  
 EAR  
     briar, 35  
 EMPTY  
     briar, 35  
 Empty  
     briar::Empty, 896, 897  
 EmptyDefaultTypeInternal  
     briar::EmptyDefaultTypeInternal, 901  
 enable\_metadata  
     briar::DetectionOptions, 845  
     briar::DetectionOptions::\_Internal, 96  
 end  
     briar::BriarDuration, 210  
 enhance\_batch  
     briar::EnhanceOptions, 908  
     briar::EnhanceOptions::\_Internal, 99  
 enhance\_options  
     briar::EnhanceRequest, 937  
     briar::EnhanceRequest::\_Internal, 101  
 EnhanceOptions  
     briar::EnhanceOptions, 905  
 EnhanceOptionsDefaultTypeInternal  
     briar::EnhanceOptionsDefaultTypeInternal, 916  
 EnhanceReply  
     briar::EnhanceReply, 919, 920  
 EnhanceReplyDefaultTypeInternal  
     briar::EnhanceReplyDefaultTypeInternal, 930  
 EnhanceRequest  
     briar::EnhanceRequest, 934, 935  
 EnhanceRequestDefaultTypeInternal  
     briar::EnhanceRequestDefaultTypeInternal, 946  
 ENROLL\_AUTO\_DETECTION  
     briar, 38  
 enroll\_batch  
     briar::EnrollOptions, 991  
     briar::EnrollOptions::\_Internal, 103  
 enroll\_flag  
     briar::EnrollOptions, 991  
     briar::EnrollRequest, 1036  
 ENROLL\_FULL\_IMAGE  
     briar, 38  
 enroll\_options  
     briar::EnrollCustomRequest, 953  
     briar::EnrollCustomRequest::\_Internal, 102  
     briar::EnrollRequest, 1036  
     briar::EnrollRequest::\_Internal, 106  
 ENROLL\_PROVIDED\_DETECTION  
     briar, 38  
 ENROLL\_PROVIDED\_TEMPLATE  
     briar, 38  
 EnrollCustomRequest  
     briar::EnrollCustomRequest, 950, 951  
 EnrollCustomRequestDefaultTypeInternal  
     briar::EnrollCustomRequestDefaultTypeInternal,  
         964  
 EnrollFlags

briar, 37  
EnrollFlags\_ARRAYSIZE  
    briar, 64  
EnrollFlags\_descriptor  
    briar, 43  
EnrollFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 38  
EnrollFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 38  
EnrollFlags\_IsValid  
    briar, 43  
EnrollFlags\_MAX  
    briar, 64  
EnrollFlags\_MIN  
    briar, 64  
EnrollFlags\_Name  
    briar, 43  
EnrollFlags\_Parse  
    briar, 43  
EnrollmentInfo  
    briar::EnrollmentInfo, 968, 969  
EnrollmentInfoDefaultTypeInternal  
    briar::EnrollmentInfoDefaultTypeInternal, 981  
enrollments  
    briar::EnrollReply, 1013, 1014  
enrollments\_size  
    briar::EnrollReply, 1014  
EnrollOptions  
    briar::EnrollOptions, 986, 987  
EnrollOptionsDefaultTypeInternal  
    briar::EnrollOptionsDefaultTypeInternal, 1005  
EnrollReply  
    briar::EnrollReply, 1009, 1010  
EnrollReplyDefaultTypeInternal  
    briar::EnrollReplyDefaultTypeInternal, 1025  
EnrollRequest  
    briar::EnrollRequest, 1030, 1031  
EnrollRequestDefaultTypeInternal  
    briar::EnrollRequestDefaultTypeInternal, 1051  
entry\_attributes  
    briar::DatabaseListentriesReply, 626  
entry\_attributes\_size  
    briar::DatabaseListentriesReply, 626  
entry\_count  
    briar::BriarDatabaseInfo, 195  
    briar::DatabaseDeleteReply, 504  
    briar::DatabaseMergeReply, 698  
entry\_id  
    briar::DatabaseHasEntryRequest, 562  
    briar::DatabaseMoveEntryRequest, 734  
    briar::Record, 1165  
entry\_id\_gallery  
    briar::SearchMatchInfo, 1240  
entry\_id\_probe  
    briar::SearchMatchInfo, 1240  
entry\_id\_reference  
    briar::VerifyMatchInfo, 1572  
entry\_id\_verification  
    briar::VerifyMatchInfo, 1572  
entry\_ids  
    briar::BriarDatabaseInfo, 195  
    briar::DatabaseListentriesReply, 626, 627  
entry\_ids\_size  
    briar::BriarDatabaseInfo, 195  
    briar::DatabaseListentriesReply, 627  
entry\_name  
    briar::DetectRequest, 884  
entry\_sizes  
    briar::BriarDatabaseInfo, 195  
entry\_sizes\_size  
    briar::BriarDatabaseInfo, 195  
entry\_type  
    briar::DetectRequest, 884  
    briar::EnrollOptions, 991  
    briar::Record, 1165  
ENTRY\_TYPE\_MEDIA  
    briar, 38  
ENTRY\_TYPE SUBJECT  
    briar, 38  
ENTRY\_TYPE UNKNOWN  
    briar, 38  
EntryType  
    briar, 38  
EntryType\_ARRAYSIZE  
    briar, 65  
EntryType\_descriptor  
    briar, 44  
EntryType\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 38  
EntryType\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_  
    briar, 38  
EntryType\_IsValid  
    briar, 44  
EntryType\_MAX  
    briar, 65  
EntryType\_MIN  
    briar, 65  
EntryType\_Name  
    briar, 44  
EntryType\_Parse  
    briar, 44  
EPS  
    briar::BriarMedia, 316  
ERROR  
    briar, 37  
error\_code  
    briar::BriarErrorMessage, 252  
error\_message  
    briar::BriarErrorMessage, 252  
errors  
    briar::BriarErrors, 263  
    briar::ClusterReply, 412  
    briar::ClusterReply::Internal, 74  
    briar::DatabaseCheckpointReply, 437  
    briar::DatabaseCheckpointReply::Internal, 76  
    briar::DatabaseCheckpointRequest, 450

briar::DatabaseCheckpointRequest::\_Internal, 77  
 briar::DatabaseCheckpointSubjectRequest, 464  
 briar::DatabaseCheckpointSubjectRequest::\_Internal, extract\_options  
 77  
 briar::DatabaseCreateReply, 478  
 briar::DatabaseCreateReply::\_Internal, 78  
 briar::DatabaseDeleteReply, 504  
 briar::DatabaseDeleteReply::\_Internal, 80  
 briar::DatabaseFinalizeReply, 528  
 briar::DatabaseFinalizeReply::\_Internal, 81  
 briar::DatabaseInsertReply, 597  
 briar::DatabaseInsertReply::\_Internal, 84  
 briar::DatabaseLoadReply, 673  
 briar::DatabaseLoadReply::\_Internal, 87  
 briar::DatabaseRemoveTmplsReply, 747  
 briar::DatabaseRemoveTmplsReply::\_Internal, 90  
 briar::DatabaseRenameReply, 772  
 briar::DatabaseRenameReply::\_Internal, 91  
 briar::DatabaseRetrieveReply, 796  
 briar::DatabaseRetrieveReply::\_Internal, 93  
 briar::DetectReply, 867  
 briar::DetectReply::\_Internal, 97  
 briar::EnhanceReply, 922  
 briar::EnhanceReply::\_Internal, 100  
 briar::EnrollReply, 1014  
 briar::EnrollReply::\_Internal, 105  
 briar::ExtractReply, 1076  
 briar::ExtractReply::\_Internal, 108  
 briar::SearchDatabaseReply, 1208  
 briar::SearchDatabaseReply::\_Internal, 112  
 briar::SearchReply, 1297  
 briar::SearchReply::\_Internal, 117  
 briar::TrackReply, 1478  
 briar::TrackReply::\_Internal, 123  
 briar::VerifyDatabaseReply, 1510  
 briar::VerifyDatabaseReply::\_Internal, 124  
 briar::VerifyReply, 1619  
 briar::VerifyReply::\_Internal, 129  
 errors\_size  
 briar::BriarErrors, 263  
 exists  
 briar::DatabaseCheckpointReply, 437  
 briar::DatabaseDeleteReply, 504  
 briar::DatabaseFinalizeReply, 528  
 briar::DatabaseHasEntryReply, 550  
 briar::DatabaseInfoReply, 573  
 briar::DatabaseInsertReply, 597  
 briar::DatabaseListentriesReply, 627  
 briar::DatabaseLoadReply, 673  
 briar::DatabaseMergeReply, 699  
 briar::DatabaseRenameReply, 772  
 exists\_size  
 briar::DatabaseMergeReply, 699  
**EXTRACT\_AUTO\_DETECTION**  
 briar, 38  
 extract\_batch  
 briar::ExtractOptions, 1059  
 briar::ExtractOptions::\_Internal, 107  
**EXTRACT\_FULL\_IMAGE**  
 briar, 38  
 briar::EnrollCustomRequest, 953  
 briar::EnrollCustomRequest::\_Internal, 102  
 briar::EnrollRequest, 1036  
 briar::EnrollRequest::\_Internal, 106  
 briar::ExtractRequest, 1093  
 briar::ExtractRequest::\_Internal, 110  
 briar::SearchRequest, 1315  
 briar::SearchRequest::\_Internal, 118  
 briar::VerifyRequest, 1637  
 briar::VerifyRequest::\_Internal, 130  
**EXTRACT\_PROVIDED\_DETECTION**  
 briar, 38  
 extract\_reply  
 briar::EnrollReply, 1014  
 briar::EnrollReply::\_Internal, 105  
 briar::SearchReply, 1297  
 briar::SearchReply::\_Internal, 117  
 briar::VerifyReply, 1620  
 briar::VerifyReply::\_Internal, 129  
 ExtractFlags  
 briar, 38  
**ExtractFlags\_ARRAYSIZE**  
 briar, 65  
 ExtractFlags\_descriptor  
 briar, 44  
**ExtractFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_**  
 briar, 38  
**ExtractFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_**  
 briar, 38  
 ExtractFlags\_IsValid  
 briar, 44  
 ExtractFlags\_MAX  
 briar, 65  
 ExtractFlags\_MIN  
 briar, 65  
 ExtractFlags\_Name  
 briar, 44  
 ExtractFlags\_Parse  
 briar, 45  
 ExtractOptions  
 briar::ExtractOptions, 1055, 1056  
**ExtractOptionsDefaultTypeInternal**  
 briar::ExtractOptionsDefaultTypeInternal, 1068  
 ExtractReply  
 briar::ExtractReply, 1072, 1073  
**ExtractReplyDefaultTypeInternal**  
 briar::ExtractReplyDefaultTypeInternal, 1086  
 ExtractRequest  
 briar::ExtractRequest, 1090  
**ExtractRequestDefaultTypeInternal**  
 briar::ExtractRequestDefaultTypeInternal, 1101  
**FACE**  
 briar, 35  
 face  
 briar::SearchMatchInfo, 1241

briar::SearchMatchInfo::\_Internal, 113  
briar::VerifyMatchInfo, 1573  
briar::VerifyMatchInfo::\_Internal, 126  
face\_min\_height  
    briar::DetectionOptions, 846  
    briar::DetectionOptions::\_Internal, 96  
face\_threshold  
    briar::DetectionOptions, 846  
    briar::DetectionOptions::\_Internal, 96  
failed\_enrollment\_count  
    briar::BriarDatabaseInfo, 196  
FeatureVectorType  
    briar, 38  
FeatureVectorType\_ARRAYSIZE  
    briar, 65  
FeatureVectorType\_descriptor  
    briar, 45  
FeatureVectorType\_INT\_MAX\_SENTINEL\_DO\_NOT\_USEFrameMetadataDefaultTypeInternal  
    briar, 39  
FeatureVectorType\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_from\_database  
    briar, 39  
FeatureVectorType\_IsValid  
    briar, 45  
FeatureVectorType\_MAX  
    briar, 65  
FeatureVectorType\_MIN  
    briar, 66  
FeatureVectorType\_Name  
    briar, 45  
FeatureVectorType\_Parse  
    briar, 45  
FINGERPRINT  
    briar, 35  
flag  
    briar::ExtractOptions, 1059  
    briar::SearchOptions, 1273  
    briar::VerifyOptions, 1603  
    briar::VerifyRequest, 1637  
FLOAT  
    briar, 35  
FLOAT32  
    briar::BriarMedia, 316  
FloatOption  
    briar::FloatOption, 1104, 1105  
FloatOptionDefaultTypeInternal  
    briar::FloatOptionDefaultTypeInternal, 1111  
frame  
    briar::Detection, 826  
    briar::DetectRequest, 884  
    briar::EnrollRequest, 1036  
frame\_count  
    briar::BriarMedia, 304  
frame\_end  
    briar::BriarMedia, 304  
frame\_id  
    briar::DetectReply, 868  
    briar::EnhanceRequest, 937  
    briar::EnrollReply, 1014  
frame\_ids  
    briar::TrackReply, 1478  
frame\_ids\_size  
    briar::TrackReply, 1478  
frame\_metadata  
    briar::MediaMetadata, 1149  
frame\_metadata\_size  
    briar::MediaMetadata, 1149  
frame\_number  
    briar::BriarMedia, 304  
frame\_rate  
    briar::BriarMedia, 304  
frame\_start  
    briar::BriarMedia, 304  
FrameMetadata  
    briar::FrameMetadata, 1114, 1115  
FrameMetadataDefaultTypeInternal  
    briar::FrameMetadataDefaultTypeInternal, 1121  
full  
    briar::SearchOptions, 1273  
    briar::SearchOptions::\_Internal, 114  
fvalue  
    briar::Attribute, 150  
GAIT  
    briar, 35  
gate  
    briar::SearchMatchInfo, 1241  
    briar::SearchMatchInfo::\_Internal, 113  
    briar::VerifyMatchInfo, 1573  
    briar::VerifyMatchInfo::\_Internal, 126  
GENERIC\_IMAGE  
    briar::BriarMedia, 316  
GENERIC\_VIDEO  
    briar::BriarMedia, 316  
GetCachedSize  
    briar::APIVersion, 135  
    briar::Attribute, 150  
    briar::BoolOption, 171  
    briar::BriarDatabase, 180  
    briar::BriarDatabaseInfo, 196  
    briar::BriarDuration, 210  
    briar::BriarDurations, 222  
    briar::BriarDurationsList, 243  
    briar::BriarErrorMessage, 253  
    briar::BriarErrors, 263  
    briar::BriarMatrix, 281  
    briar::BriarMedia, 304  
    briar::BriarPoint2D, 326  
    briar::BriarProgress, 336  
    briar::BriarRect, 347  
    briar::BriarServiceConfigurationReply, 359  
    briar::BriarVector, 380  
    briar::ClusterConfidence, 389  
    briar::ClusterIds, 399

briar::ClusterReply, 413  
 briar::ClusterRequest, 426  
 briar::DatabaseCheckpointReply, 438  
 briar::DatabaseCheckpointRequest, 451  
 briar::DatabaseCheckpointSubjectRequest, 464  
 briar::DatabaseCreateReply, 478  
 briar::DatabaseCreateRequest, 491  
 briar::DatabaseDeleteReply, 504  
 briar::DatabaseDeleteRequest, 516  
 briar::DatabaseFinalizeReply, 528  
 briar::DatabaseFinalizeRequest, 539  
 briar::DatabaseHasEntryReply, 550  
 briar::DatabaseHasEntryRequest, 562  
 briar::DatabaseInfoReply, 573  
 briar::DatabaseInfoRequest, 585  
 briar::DatabaseInsertReply, 597  
 briar::DatabaseInsertRequest, 611  
 briar::DatabaseListentriesReply, 627  
 briar::DatabaseListEntriesRequest, 639  
 briar::DatabaseListReply, 651  
 briar::DatabaseListRequest, 662  
 briar::DatabaseLoadReply, 673  
 briar::DatabaseLoadRequest, 687  
 briar::DatabaseMergeReply, 699  
 briar::DatabaseMergeRequest, 711  
 briar::DatabaseMoveEntryReply, 722  
 briar::DatabaseMoveEntryRequest, 734  
 briar::DatabaseRemoveTmplsReply, 747  
 briar::DatabaseRemoveTmplsRequest, 759  
 briar::DatabaseRenameReply, 772  
 briar::DatabaseRenameRequest, 784  
 briar::DatabaseRetrieveReply, 796  
 briar::DatabaseRetrieveRequest, 810  
 briar::Detection, 826  
 briar::DetectionOptions, 846  
 briar::DetectReply, 868  
 briar::DetectRequest, 884  
 briar::EnhanceOptions, 908  
 briar::EnhanceReply, 922  
 briar::EnhanceRequest, 938  
 briar::EnrollCustomRequest, 953  
 briar::EnrollmentInfo, 972  
 briar::EnrollOptions, 991  
 briar::EnrollReply, 1014  
 briar::EnrollRequest, 1036  
 briar::ExtractOptions, 1059  
 briar::ExtractReply, 1076  
 briar::ExtractRequest, 1093  
 briar::FloatOption, 1106  
 briar::FrameMetadata, 1117  
 briar::IntOption, 1126  
 briar::MediaMetadata, 1149  
 briar::Record, 1166  
 briar::RecordList, 1196  
 briar::SearchDatabaseReply, 1208  
 briar::SearchDatabaseRequest, 1222  
 briar::SearchMatchInfo, 1241  
 briar::SearchMatchList, 1259  
 briar::SearchOptions, 1273  
 briar::SearchReply, 1297  
 briar::SearchRequest, 1315  
 briar::StatusReply, 1334  
 briar::StringOption, 1355  
 briar::Template, 1370  
 briar::TemplateData, 1385  
 briar::TemplateIds, 1402  
 briar::TemplateImageInput, 1414  
 briar::TemplateList, 1425  
 briar::TemplateListGroup, 1435  
 briar::TrackingOptions, 1447  
 briar::Tracklet, 1464  
 briar::TrackReply, 1479  
 briar::TrackRequest, 1494  
 briar::VerifyDatabaseReply, 1510  
 briar::VerifyDatabaseRequest, 1554  
 briar::VerifyMatchInfo, 1573  
 briar::VerifyMatchList, 1591  
 briar::VerifyOptions, 1603  
 briar::VerifyReply, 1620  
 briar::VerifyRequest, 1637  
**GetClassData**  
 briar::APIVersion, 136  
 briar::Attribute, 150  
 briar::BoolOption, 171  
 briar::BriarDatabase, 180  
 briar::BriarDatabaseInfo, 196  
 briar::BriarDuration, 211  
 briar::BriarDurations, 222  
 briar::BriarDurationsList, 243  
 briar::BriarErrorMessage, 253  
 briar::BriarErrors, 263  
 briar::BriarMatrix, 281  
 briar::BriarMedia, 305  
 briar::BriarPoint2D, 326  
 briar::BriarProgress, 337  
 briar::BriarRect, 347  
 briar::BriarServiceConfigurationReply, 359  
 briar::BriarServiceConfigurationRequest, 370  
 briar::BriarVector, 380  
 briar::ClusterConfidence, 389  
 briar::ClusterIds, 400  
 briar::ClusterReply, 413  
 briar::ClusterRequest, 426  
 briar::DatabaseCheckpointReply, 438  
 briar::DatabaseCheckpointRequest, 451  
 briar::DatabaseCheckpointSubjectRequest, 464  
 briar::DatabaseCreateReply, 478  
 briar::DatabaseCreateRequest, 491  
 briar::DatabaseDeleteReply, 504  
 briar::DatabaseDeleteRequest, 516  
 briar::DatabaseFinalizeReply, 528  
 briar::DatabaseFinalizeRequest, 539  
 briar::DatabaseHasEntryReply, 550  
 briar::DatabaseHasEntryRequest, 562  
 briar::DatabaseInfoReply, 574  
 briar::DatabaseInfoRequest, 585

briar::DatabaseInsertReply, 598  
briar::DatabaseInsertRequest, 611  
briar::DatabaseListentriesReply, 627  
briar::DatabaseListEntriesRequest, 639  
briar::DatabaseListReply, 651  
briar::DatabaseListRequest, 662  
briar::DatabaseLoadReply, 673  
briar::DatabaseLoadRequest, 687  
briar::DatabaseMergeReply, 699  
briar::DatabaseMergeRequest, 711  
briar::DatabaseMoveEntryReply, 722  
briar::DatabaseMoveEntryRequest, 734  
briar::DatabaseRemoveTmplsReply, 747  
briar::DatabaseRemoveTmplsRequest, 759  
briar::DatabaseRenameReply, 772  
briar::DatabaseRenameRequest, 784  
briar::DatabaseRetrieveReply, 796  
briar::DatabaseRetrieveRequest, 810  
briar::Detection, 826  
briar::DetectionOptions, 846  
briar::DetectReply, 868  
briar::DetectRequest, 884  
briar::Empty, 897  
briar::EnhanceOptions, 908  
briar::EnhanceReply, 923  
briar::EnhanceRequest, 938  
briar::EnrollCustomRequest, 954  
briar::EnrollmentInfo, 972  
briar::EnrollOptions, 992  
briar::EnrollReply, 1014  
briar::EnrollRequest, 1036  
briar::ExtractOptions, 1059  
briar::ExtractReply, 1076  
briar::ExtractRequest, 1093  
briar::FloatOption, 1106  
briar::FrameMetadata, 1117  
briar::IntOption, 1126  
briar::MediaMetadata, 1150  
briar::Record, 1166  
briar::RecordList, 1196  
briar::SearchDatabaseReply, 1208  
briar::SearchDatabaseRequest, 1223  
briar::SearchMatchInfo, 1241  
briar::SearchMatchList, 1259  
briar::SearchOptions, 1273  
briar::SearchReply, 1297  
briar::SearchRequest, 1315  
briar::StatusReply, 1334  
briar::StatusRequest, 1346  
briar::StringOption, 1355  
briar::Template, 1370  
briar::TemplateData, 1385  
briar::TemplateIds, 1402  
briar::TemplateImageInput, 1414  
briar::TemplateList, 1425  
briar::TemplateListGroup, 1435  
briar::TrackingOptions, 1447  
briar::Tracklet, 1464  
briar::TrackReply, 1479  
briar::TrackRequest, 1494  
briar::VerifyDatabaseReply, 1510  
briar::VerifyDatabaseRequest, 1554  
briar::VerifyMatchInfo, 1573  
briar::VerifyMatchList, 1591  
briar::VerifyOptions, 1603  
briar::VerifyReply, 1620  
briar::VerifyRequest, 1637  
GetDescriptor  
briar::APIVersion, 136  
briar::Attribute, 150  
briar::BoolOption, 171  
briar::BriarDatabase, 180  
briar::BriarDatabaseInfo, 196  
briar::BriarDuration, 211  
briar::BriarDurations, 222  
briar::BriarDurationsList, 243  
briar::BriarErrorMessage, 253  
briar::BriarErrors, 264  
briar::BriarMatrix, 281  
briar::BriarMedia, 305  
briar::BriarPoint2D, 327  
briar::BriarProgress, 337  
briar::BriarRect, 347  
briar::BriarServiceConfigurationReply, 359  
briar::BriarServiceConfigurationRequest, 370  
briar::BriarVector, 380  
briar::ClusterConfidence, 389  
briar::ClusterIds, 400  
briar::ClusterReply, 413  
briar::ClusterRequest, 426  
briar::DatabaseCheckpointReply, 438  
briar::DatabaseCheckpointRequest, 451  
briar::DatabaseCheckpointSubjectRequest, 464  
briar::DatabaseCreateReply, 478  
briar::DatabaseCreateRequest, 491  
briar::DatabaseDeleteReply, 505  
briar::DatabaseDeleteRequest, 517  
briar::DatabaseFinalizeReply, 528  
briar::DatabaseFinalizeRequest, 540  
briar::DatabaseHasEntryReply, 551  
briar::DatabaseHasEntryRequest, 562  
briar::DatabaseInfoReply, 574  
briar::DatabaseInfoRequest, 586  
briar::DatabaseInsertReply, 598  
briar::DatabaseInsertRequest, 611  
briar::DatabaseListentriesReply, 627  
briar::DatabaseListEntriesRequest, 640  
briar::DatabaseListReply, 652  
briar::DatabaseListRequest, 662  
briar::DatabaseLoadReply, 673  
briar::DatabaseLoadRequest, 687  
briar::DatabaseMergeReply, 699  
briar::DatabaseMergeRequest, 711  
briar::DatabaseMoveEntryReply, 723  
briar::DatabaseMoveEntryRequest, 735  
briar::DatabaseRemoveTmplsReply, 748

briar::DatabaseRemoveTmplsRequest, 759  
 briar::DatabaseRenameReply, 772  
 briar::DatabaseRenameRequest, 784  
 briar::DatabaseRetrieveReply, 796  
 briar::DatabaseRetrieveRequest, 810  
 briar::Detection, 827  
 briar::DetectionOptions, 846  
 briar::DetectReply, 868  
 briar::DetectRequest, 885  
 briar::Empty, 897  
 briar::EnhanceOptions, 908  
 briar::EnhanceReply, 923  
 briar::EnhanceRequest, 938  
 briar::EnrollCustomRequest, 954  
 briar::EnrollmentInfo, 972  
 briar::EnrollOptions, 992  
 briar::EnrollReply, 1015  
 briar::EnrollRequest, 1036  
 briar::ExtractOptions, 1060  
 briar::ExtractReply, 1076  
 briar::ExtractRequest, 1093  
 briar::FloatOption, 1107  
 briar::FrameMetadata, 1117  
 briar::IntOption, 1127  
 briar::MediaMetadata, 1150  
 briar::Record, 1166  
 briar::RecordList, 1197  
 briar::SearchDatabaseReply, 1208  
 briar::SearchDatabaseRequest, 1223  
 briar::SearchMatchInfo, 1241  
 briar::SearchMatchList, 1260  
 briar::SearchOptions, 1273  
 briar::SearchReply, 1297  
 briar::SearchRequest, 1316  
 briar::StatusReply, 1334  
 briar::StatusRequest, 1346  
 briar::StringOption, 1356  
 briar::Template, 1370  
 briar::TemplateData, 1385  
 briar::TemplateIds, 1402  
 briar::TemplateImageInput, 1414  
 briar::TemplateList, 1425  
 briar::TemplateListGroup, 1435  
 briar::TrackingOptions, 1447  
 briar::Tracklet, 1464  
 briar::TrackReply, 1479  
 briar::TrackRequest, 1494  
 briar::VerifyDatabaseReply, 1510  
 briar::VerifyDatabaseRequest, 1554  
 briar::VerifyMatchInfo, 1573  
 briar::VerifyMatchList, 1592  
 briar::VerifyOptions, 1603  
 briar::VerifyReply, 1620  
 briar::VerifyRequest, 1638  
 GetEnumDescriptor< ::briar::BiometricModality >  
 briar.pb.h, 1687  
 GetEnumDescriptor< ::briar::BriarMediaType >  
 briar.pb.h, 1687  
 GetEnumDescriptor< ::briar::BriarServiceStatus >  
 briar.pb.h, 1687  
 GetEnumDescriptor< ::briar::EnrollFlags >  
 briar.pb.h, 1687  
 GetEnumDescriptor< ::briar::EntryType >  
 briar.pb.h, 1687  
 GetEnumDescriptor< ::briar::ExtractFlags >  
 briar.pb.h, 1688  
 GetEnumDescriptor< ::briar::FeatureVectorType >  
 briar.pb.h, 1688  
 GetEnumDescriptor< ::briar::SearchFlags >  
 briar.pb.h, 1688  
 GetEnumDescriptor< ::briar::VerifyFlags >  
 briar.pb.h, 1688  
 GetEnumDescriptor< ::briar::VerifyRequest\_VerifyRole >  
 briar\_service.pb.h, 1738  
 GetMetadata  
 briar::APIVersion, 136  
 briar::Attribute, 150  
 briar::BoolOption, 171  
 briar::BriarDatabase, 181  
 briar::BriarDatabaseInfo, 196  
 briar::BriarDuration, 211  
 briar::BriarDurations, 222  
 briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
 233  
 briar::BriarDurationsList, 243  
 briar::BriarErrorMessage, 253  
 briar::BriarErrors, 264  
 briar::BriarMatrix, 281  
 briar::BriarMedia, 305  
 briar::BriarPoint2D, 327  
 briar::BriarProgress, 337  
 briar::BriarRect, 347  
 briar::BriarServiceConfigurationReply, 359  
 briar::BriarServiceConfigurationRequest, 370  
 briar::BriarVector, 380  
 briar::ClusterConfidence, 390  
 briar::ClusterIds, 400  
 briar::ClusterReply, 413  
 briar::ClusterRequest, 426  
 briar::DatabaseCheckpointReply, 438  
 briar::DatabaseCheckpointRequest, 451  
 briar::DatabaseCheckpointSubjectRequest, 464  
 briar::DatabaseCreateReply, 478  
 briar::DatabaseCreateRequest, 491  
 briar::DatabaseDeleteReply, 505  
 briar::DatabaseDeleteRequest, 517  
 briar::DatabaseFinalizeReply, 528  
 briar::DatabaseFinalizeRequest, 540  
 briar::DatabaseHasEntryReply, 551  
 briar::DatabaseHasEntryRequest, 562  
 briar::DatabaseInfoReply, 574

briar::DatabaseInfoRequest, 586  
briar::DatabaseInsertReply, 598  
briar::DatabaseInsertRequest, 611  
briar::DatabaseListentriesReply, 627  
briar::DatabaseListEntriesRequest, 640  
briar::DatabaseListReply, 652  
briar::DatabaseListRequest, 662  
briar::DatabaseLoadReply, 674  
briar::DatabaseLoadRequest, 687  
briar::DatabaseMergeReply, 699  
briar::DatabaseMergeRequest, 711  
briar::DatabaseMoveEntryReply, 723  
briar::DatabaseMoveEntryRequest, 735  
briar::DatabaseRemoveTmplsReply, 748  
briar::DatabaseRemoveTmplsRequest, 759  
briar::DatabaseRenameReply, 772  
briar::DatabaseRenameRequest, 784  
briar::DatabaseRetrieveReply, 796  
briar::DatabaseRetrieveRequest, 810  
briar::Detection, 827  
briar::DetectionOptions, 846  
briar::DetectReply, 868  
briar::DetectRequest, 885  
briar::Empty, 898  
briar::EnhanceOptions, 909  
briar::EnhanceReply, 923  
briar::EnhanceRequest, 938  
briar::EnrollCustomRequest, 954  
briar::EnrollmentInfo, 972  
briar::EnrollOptions, 992  
briar::EnrollReply, 1015  
briar::EnrollRequest, 1037  
briar::ExtractOptions, 1060  
briar::ExtractReply, 1076  
briar::ExtractRequest, 1094  
briar::FloatOption, 1107  
briar::FrameMetadata, 1117  
briar::IntOption, 1127  
briar::MediaMetadata, 1150  
briar::Record, 1166  
briar::Record\_MediaPreviewsEntry\_DoNotUse, 1183  
briar::Record\_SubjectPreviewsEntry\_DoNotUse, 1188  
briar::RecordList, 1197  
briar::SearchDatabaseReply, 1208  
briar::SearchDatabaseRequest, 1223  
briar::SearchMatchInfo, 1241  
briar::SearchMatchList, 1260  
briar::SearchOptions, 1273  
briar::SearchReply, 1297  
briar::SearchRequest, 1316  
briar::StatusReply, 1334  
briar::StatusRequest, 1347  
briar::StringOption, 1356  
briar::Template, 1370  
briar::TemplateData, 1385  
briar::TemplateIds, 1403  
briar::TemplateImageInput, 1414  
briar::TemplateList, 1425  
briar::TemplateListGroup, 1435  
briar::TrackingOptions, 1447  
briar::Tracklet, 1464  
briar::TrackReply, 1479  
briar::TrackRequest, 1494  
briar::VerifyDatabaseReply, 1510  
briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse, 1521  
briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse, 1525  
briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse, 1529  
briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse, 1534  
briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse, 1539  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse, 1543  
briar::VerifyDatabaseRequest, 1554  
briar::VerifyMatchInfo, 1573  
briar::VerifyMatchList, 1592  
briar::VerifyOptions, 1603  
briar::VerifyReply, 1620  
briar::VerifyRequest, 1638  
GetReflection  
    briar::APIVersion, 136  
    briar::Attribute, 150  
    briar::BoolOption, 171  
    briar::BriarDatabase, 181  
    briar::BriarDatabaseInfo, 196  
    briar::BriarDuration, 211  
    briar::BriarDurations, 223  
    briar::BriarDurationsList, 243  
    briar::BriarErrorMessage, 253  
    briar::BriarErrors, 264  
    briar::BriarMatrix, 281  
    briar::BriarMedia, 305  
    briar::BriarPoint2D, 327  
    briar::BriarProgress, 337  
    briar::BriarRect, 347  
    briar::BriarServiceConfigurationReply, 360  
    briar::BriarServiceConfigurationRequest, 371  
    briar::BriarVector, 380  
    briar::ClusterConfidence, 390  
    briar::ClusterIds, 400  
    briar::ClusterReply, 413  
    briar::ClusterRequest, 426  
    briar::DatabaseCheckpointReply, 438  
    briar::DatabaseCheckpointRequest, 451  
    briar::DatabaseCheckpointSubjectRequest, 465  
    briar::DatabaseCreateReply, 478  
    briar::DatabaseCreateRequest, 491  
    briar::DatabaseDeleteReply, 505  
    briar::DatabaseDeleteRequest, 517  
    briar::DatabaseFinalizeReply, 529  
    briar::DatabaseFinalizeRequest, 540

briar::DatabaseHasEntryReply, 551  
 briar::DatabaseHasEntryRequest, 562  
 briar::DatabaseInfoReply, 574  
 briar::DatabaseInfoRequest, 586  
 briar::DatabaseInsertReply, 598  
 briar::DatabaseInsertRequest, 611  
 briar::DatabaseListEntriesReply, 628  
 briar::DatabaseListEntriesRequest, 640  
 briar::DatabaseListReply, 652  
 briar::DatabaseListRequest, 662  
 briar::DatabaseLoadReply, 674  
 briar::DatabaseLoadRequest, 687  
 briar::DatabaseMergeReply, 700  
 briar::DatabaseMergeRequest, 711  
 briar::DatabaseMoveEntryReply, 723  
 briar::DatabaseMoveEntryRequest, 735  
 briar::DatabaseRemoveTmplsReply, 748  
 briar::DatabaseRemoveTmplsRequest, 759  
 briar::DatabaseRenameReply, 773  
 briar::DatabaseRenameRequest, 784  
 briar::DatabaseRetrieveReply, 796  
 briar::DatabaseRetrieveRequest, 810  
 briar::Detection, 827  
 briar::DetectionOptions, 846  
 briar::DetectReply, 868  
 briar::DetectRequest, 885  
 briar::Empty, 898  
 briar::EnhanceOptions, 909  
 briar::EnhanceReply, 923  
 briar::EnhanceRequest, 938  
 briar::EnrollCustomRequest, 954  
 briar::EnrollmentInfo, 972  
 briar::EnrollOptions, 992  
 briar::EnrollReply, 1015  
 briar::EnrollRequest, 1037  
 briar::ExtractOptions, 1060  
 briar::ExtractReply, 1076  
 briar::ExtractRequest, 1094  
 briar::FloatOption, 1107  
 briar::FrameMetadata, 1117  
 briar::IntOption, 1127  
 briar::MediaMetadata, 1150  
 briar::Record, 1166  
 briar::RecordList, 1197  
 briar::SearchDatabaseReply, 1208  
 briar::SearchDatabaseRequest, 1223  
 briar::SearchMatchInfo, 1241  
 briar::SearchMatchList, 1260  
 briar::SearchOptions, 1274  
 briar::SearchReply, 1297  
 briar::SearchRequest, 1316  
 briar::StatusReply, 1334  
 briar::StatusRequest, 1347  
 briar::StringOption, 1356  
 briar::Template, 1371  
 briar::TemplateData, 1386  
 briar::TemplateIds, 1403  
 briar::TemplateImageInput, 1414  
 briar::TemplateList, 1425  
 briar::TemplateListGroup, 1435  
 briar::TrackingOptions, 1448  
 briar::Tracklet, 1464  
 briar::TrackReply, 1479  
 briar::TrackRequest, 1494  
 briar::VerifyDatabaseReply, 1510  
 briar::VerifyDatabaseRequest, 1554  
 briar::VerifyMatchInfo, 1573  
 briar::VerifyMatchList, 1592  
 briar::VerifyOptions, 1604  
 briar::VerifyReply, 1620  
 briar::VerifyRequest, 1638  
**GIF**  
 briar::BriarMedia, 316  
**group**  
 briar::TemplateListGroup, 1435  
**group\_size**  
 briar::TemplateListGroup, 1436  
**grpc\_inbound\_transfer\_duration**  
 briar::BriarDurations, 223  
 briar::BriarDurations::Internal, 71  
**grpc\_outbound\_transfer\_duration**  
 briar::BriarDurations, 223  
 briar::BriarDurations::Internal, 71  
**H264**  
 briar::BriarMedia, 317  
**H265**  
 briar::BriarMedia, 317  
**HAND**  
 briar, 35  
**has\_algorithm\_id**  
 briar::DetectionOptions, 847  
 briar::EnhanceOptions, 909  
 briar::ExtractOptions, 1060  
 briar::TrackingOptions, 1448  
**has\_api\_version**  
 briar::StatusReply, 1334  
**has\_best**  
 briar::DetectionOptions, 847  
**has\_body**  
 briar::SearchMatchInfo, 1242  
 briar::VerifyMatchInfo, 1574  
**has\_body\_min\_height**  
 briar::DetectionOptions, 847  
**has\_body\_threshold**  
 briar::DetectionOptions, 847  
**has\_client\_duration\_file\_level**  
 briar::BriarDurations, 223  
**has\_client\_duration\_frame\_level**  
 briar::BriarDurations, 223  
**has\_data**  
 briar::Template, 1371  
**has\_database**  
 briar::ClusterRequest, 426  
 briar::DatabaseCheckpointRequest, 451  
 briar::DatabaseCheckpointSubjectRequest, 465  
 briar::DatabaseCreateRequest, 492

briar::DatabaseDeleteRequest, 517  
briar::DatabaseFinalizeRequest, 540  
briar::DatabaseHasEntryRequest, 562  
briar::DatabaseInsertRequest, 612  
briar::DatabaseLoadRequest, 687  
briar::DatabaseRemoveTmplsRequest, 760  
briar::DatabaseRenameRequest, 784  
briar::DatabaseRetrieveRequest, 811  
briar::EnrollCustomRequest, 954  
briar::EnrollRequest, 1037  
briar::SearchDatabaseRequest, 1223  
briar::SearchRequest, 1316  
has\_database\_id  
    briar::Record, 1166  
has\_database\_new  
    briar::DatabaseRenameRequest, 784  
has\_debug  
    briar::DetectionOptions, 847  
    briar::EnrollOptions, 992  
    briar::ExtractOptions, 1060  
    briar::VerifyOptions, 1604  
has\_detect\_batch  
    briar::DetectionOptions, 847  
has\_detect\_options  
    briar::DetectRequest, 885  
    briar::EnrollCustomRequest, 954  
    briar::EnrollRequest, 1037  
    briar::ExtractRequest, 1094  
    briar::SearchRequest, 1316  
    briar::TrackRequest, 1494  
    briar::VerifyRequest, 1638  
has\_detect\_reply  
    briar::EnrollReply, 1015  
    briar::ExtractReply, 1077  
    briar::SearchReply, 1298  
    briar::VerifyReply, 1620  
has\_detection  
    briar::Record, 1166  
has\_duration  
    briar::DatabaseInfoReply, 574  
has\_durations  
    briar::ClusterReply, 413  
    briar::ClusterRequest, 426  
    briar::DatabaseCheckpointReply, 438  
    briar::DatabaseCheckpointRequest, 451  
    briar::DatabaseCheckpointSubjectRequest, 465  
    briar::DatabaseCreateReply, 479  
    briar::DatabaseCreateRequest, 492  
    briar::DatabaseDeleteReply, 505  
    briar::DatabaseDeleteRequest, 517  
    briar::DatabaseFinalizeReply, 529  
    briar::DatabaseInfoRequest, 586  
    briar::DatabaseInsertReply, 598  
    briar::DatabaseInsertRequest, 612  
    briar::DatabaseListentriesReply, 628  
    briar::DatabaseListEntriesRequest, 640  
    briar::DatabaseLoadReply, 674  
    briar::DatabaseLoadRequest, 687  
briar::DatabaseMergeReply, 700  
briar::DatabaseMergeRequest, 712  
briar::DatabaseRemoveTmplsReply, 748  
briar::DatabaseRemoveTmplsRequest, 760  
briar::DatabaseRenameReply, 773  
briar::DatabaseRetrieveReply, 797  
briar::DatabaseRetrieveRequest, 811  
briar::DetectReply, 868  
briar::DetectRequest, 885  
briar::EnhanceReply, 923  
briar::EnhanceRequest, 938  
briar::EnrollCustomRequest, 954  
briar::EnrollReply, 1015  
briar::EnrollRequest, 1037  
briar::ExtractReply, 1077  
briar::ExtractRequest, 1094  
briar::SearchDatabaseRequest, 1223  
briar::SearchReply, 1298  
briar::SearchRequest, 1316  
briar::TrackReply, 1479  
briar::TrackRequest, 1495  
briar::VerifyDatabaseRequest, 1555  
briar::VerifyReply, 1621  
briar::VerifyRequest, 1638  
has\_enable\_metadata  
    briar::DetectionOptions, 847  
has\_enhance\_batch  
    briar::EnhanceOptions, 909  
has\_enhance\_options  
    briar::EnhanceRequest, 938  
has\_enroll\_batch  
    briar::EnrollOptions, 992  
has\_enroll\_options  
    briar::EnrollCustomRequest, 955  
    briar::EnrollRequest, 1037  
has\_errors  
    briar::ClusterReply, 413  
    briar::DatabaseCheckpointReply, 438  
    briar::DatabaseCheckpointRequest, 452  
    briar::DatabaseCheckpointSubjectRequest, 465  
    briar::DatabaseCreateReply, 479  
    briar::DatabaseDeleteReply, 505  
    briar::DatabaseFinalizeReply, 529  
    briar::DatabaseInsertReply, 598  
    briar::DatabaseLoadReply, 674  
    briar::DatabaseRemoveTmplsReply, 748  
    briar::DatabaseRenameReply, 773  
    briar::DatabaseRetrieveReply, 797  
    briar::DetectReply, 869  
    briar::EnhanceReply, 923  
    briar::EnrollReply, 1015  
    briar::ExtractReply, 1077  
    briar::SearchDatabaseReply, 1209  
    briar::SearchReply, 1298  
    briar::TrackReply, 1479  
    briar::VerifyDatabaseReply, 1511  
    briar::VerifyReply, 1621  
has\_extract\_batch

briar::ExtractOptions, 1060  
 has\_extract\_options  
   briar::EnrollCustomRequest, 955  
   briar::EnrollRequest, 1037  
   briar::ExtractRequest, 1094  
   briar::SearchRequest, 1316  
   briar::VerifyRequest, 1638  
 has\_extract\_reply  
   briar::EnrollReply, 1015  
   briar::SearchReply, 1298  
   briar::VerifyReply, 1621  
 has\_face  
   briar::SearchMatchInfo, 1242  
   briar::VerifyMatchInfo, 1574  
 has\_face\_min\_height  
   briar::DetectionOptions, 848  
 has\_face\_threshold  
   briar::DetectionOptions, 848  
 has\_from\_database  
   briar::DatabaseMoveEntryRequest, 735  
 has\_full  
   briar::SearchOptions, 1274  
 has\_gate  
   briar::SearchMatchInfo, 1242  
   briar::VerifyMatchInfo, 1574  
 has\_grpc\_inbound\_transfer\_duration  
   briar::BriarDurations, 223  
 has\_grpc\_outbound\_transfer\_duration  
   briar::BriarDurations, 223  
 has\_ids  
   briar::DatabaseCreateReply, 479  
   briar::DatabaseInsertReply, 598  
   briar::DatabaseInsertRequest, 612  
   briar::DatabaseLoadReply, 674  
   briar::DatabaseRemoveTmplsRequest, 760  
   briar::DatabaseRetrieveRequest, 811  
 has\_im  
   briar::TemplateImageInput, 1415  
 has\_info  
   briar::DatabaseInfoReply, 574  
 has\_location  
   briar::Detection, 827  
 has\_mask  
   briar::Detection, 827  
 has\_match\_matrix  
   briar::VerifyDatabaseReply, 1511  
 has\_matrix  
   briar::Attribute, 151  
 has\_max\_results  
   briar::SearchOptions, 1274  
 has\_media  
   briar::Attribute, 151  
   briar::Detection, 827  
   briar::DetectRequest, 885  
   briar::EnhanceReply, 923  
   briar::EnhanceRequest, 939  
   briar::EnrollRequest, 1038  
   briar::ExtractRequest, 1094  
     briar::SearchRequest, 1317  
     briar::TrackRequest, 1495  
     briar::VerifyRequest, 1638  
 has\_options  
   briar::Tracklet, 1465  
 has\_out\_dir  
   briar::SearchOptions, 1274  
 has\_output\_database  
   briar::DatabaseMergeRequest, 712  
 has\_output\_type  
   briar::SearchOptions, 1274  
 has\_point  
   briar::Attribute, 151  
 has\_probe\_database  
   briar::SearchDatabaseRequest, 1223  
   briar::SearchOptions, 1274  
 has\_probes  
   briar::SearchRequest, 1317  
 has\_progress  
   briar::ClusterReply, 414  
   briar::DatabaseHasEntryReply, 551  
   briar::DatabaseMoveEntryReply, 723  
   briar::DetectReply, 869  
   briar::EnhanceReply, 924  
   briar::EnrollReply, 1016  
   briar::ExtractReply, 1077  
   briar::SearchDatabaseReply, 1209  
   briar::SearchReply, 1298  
   briar::TrackReply, 1480  
   briar::VerifyDatabaseReply, 1511  
 has\_record  
   briar::EnrollRequest, 1038  
 has\_records  
   briar::DatabaseLoadReply, 674  
   briar::DatabaseRetrieveReply, 797  
 has\_rect  
   briar::Attribute, 151  
 has\_reference\_database  
   briar::VerifyDatabaseRequest, 1555  
 has\_reference\_media  
   briar::DetectReply, 869  
 has\_reference\_tmpls  
   briar::VerifyRequest, 1639  
 has\_return\_matrix  
   briar::SearchOptions, 1274  
 has\_return\_media  
   briar::DetectionOptions, 848  
   briar::EnhanceOptions, 909  
   briar::EnrollOptions, 992  
   briar::ExtractOptions, 1060  
   briar::SearchOptions, 1275  
   briar::TrackingOptions, 1448  
   briar::VerifyOptions, 1604  
 has\_save\_metadata  
   briar::EnrollOptions, 993  
 has\_search\_batch  
   briar::SearchOptions, 1275  
 has\_search\_database

briar::SearchOptions, 1275  
has\_search\_options  
    briar::SearchDatabaseRequest, 1224  
    briar::SearchRequest, 1317  
has\_search\_threshold  
    briar::SearchOptions, 1275  
has\_service\_duration  
    briar::BriarDurations, 224  
has\_similarities  
    briar::VerifyReply, 1621  
has\_store\_media  
    briar::EnrollOptions, 993  
has\_subject\_id\_integer  
    briar::EnrollOptions, 993  
has\_template\_  
    briar::EnrollRequest, 1038  
has\_templates  
    briar::DatabaseRetrieveReply, 797  
has\_threshold  
    briar::TrackingOptions, 1448  
has\_tmpls  
    briar::DatabaseCreateRequest, 492  
    briar::DatabaseInsertRequest, 612  
has\_to\_database  
    briar::DatabaseMoveEntryRequest, 735  
has\_total\_duration  
    briar::BriarDurations, 224  
has\_track\_reply  
    briar::EnrollReply, 1016  
    briar::ExtractReply, 1077  
has\_tracking\_batch  
    briar::TrackingOptions, 1448  
has\_tracking\_disable  
    briar::TrackingOptions, 1448  
has\_tracking\_options  
    briar::DetectionOptions, 848  
has\_use\_detections  
    briar::SearchOptions, 1275  
    briar::VerifyOptions, 1604  
has\_use\_subject\_integer\_id  
    briar::EnrollOptions, 993  
has\_use\_templates  
    briar::SearchOptions, 1275  
    briar::VerifyOptions, 1604  
has\_use\_whole\_image  
    briar::VerifyOptions, 1604  
has\_vector  
    briar::Attribute, 151  
has\_verify\_database  
    briar::VerifyDatabaseRequest, 1555  
has\_verify\_options  
    briar::VerifyDatabaseRequest, 1555  
    briar::VerifyRequest, 1639  
has\_version  
    briar::StatusReply, 1334  
HEAD  
    briar, 35  
height  
    briar::BriarMedia, 305  
    briar::BriarRect, 347  
id  
    briar::Template, 1371  
ids  
    briar::ClusterIds, 400  
    briar::DatabaseCreateReply, 479  
    briar::DatabaseCreateReply::\_Internal, 78  
    briar::DatabaseInsertReply, 599  
    briar::DatabaseInsertReply::\_Internal, 84  
    briar::DatabaseInsertRequest, 612  
    briar::DatabaseInsertRequest::\_Internal, 85  
    briar::DatabaseLoadReply, 674  
    briar::DatabaseLoadReply::\_Internal, 87  
    briar::DatabaseRemoveTmplsRequest, 760  
    briar::DatabaseRemoveTmplsRequest::\_Internal, 91  
    briar::DatabaseRetrieveRequest, 811  
    briar::DatabaseRetrieveRequest::\_Internal, 94  
    briar::TemplateIds, 1403  
ids\_size  
    briar::ClusterIds, 400  
    briar::TemplateIds, 1403  
im  
    briar::TemplateImageInput, 1415  
    briar::TemplateImageInput::\_Internal, 121  
info  
    briar::DatabaseInfoReply, 574  
    briar::DatabaseInfoReply::\_Internal, 83  
INT  
    briar, 35  
integer\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1242  
    briar::VerifyMatchInfo, 1574  
internal, 67  
internal\_default\_instance  
    briar::APIVersion, 136  
    briar::Attribute, 151  
    briar::BoolOption, 171  
    briar::BriarDatabase, 181  
    briar::BriarDatabaseInfo, 196  
    briar::BriarDuration, 211  
    briar::BriarDurations, 224  
    briar::BriarDurations\_SubDurationsEntry\_DoNotUse, 234  
    briar::BriarDurationsList, 243  
    briar::BriarErrorMessage, 253  
    briar::BriarErrors, 264  
    briar::BriarMatrix, 282  
    briar::BriarMedia, 305  
    briar::BriarPoint2D, 327  
    briar::BriarProgress, 337  
    briar::BriarRect, 347  
    briar::BriarServiceConfigurationReply, 360  
    briar::BriarServiceConfigurationRequest, 371  
    briar::BriarVector, 380  
    briar::ClusterConfidence, 390  
    briar::ClusterIds, 401

briar::ClusterReply, 414  
 briar::ClusterRequest, 427  
 briar::DatabaseCheckpointReply, 439  
 briar::DatabaseCheckpointRequest, 452  
 briar::DatabaseCheckpointSubjectRequest, 465  
 briar::DatabaseCreateReply, 479  
 briar::DatabaseCreateRequest, 492  
 briar::DatabaseDeleteReply, 505  
 briar::DatabaseDeleteRequest, 517  
 briar::DatabaseFinalizeReply, 529  
 briar::DatabaseFinalizeRequest, 540  
 briar::DatabaseHasEntryReply, 551  
 briar::DatabaseHasEntryRequest, 563  
 briar::DatabaseInfoReply, 575  
 briar::DatabaseInfoRequest, 586  
 briar::DatabaseInsertReply, 599  
 briar::DatabaseInsertRequest, 612  
 briar::DatabaseListEntriesReply, 628  
 briar::DatabaseListEntriesRequest, 640  
 briar::DatabaseListReply, 652  
 briar::DatabaseListRequest, 662  
 briar::DatabaseLoadReply, 675  
 briar::DatabaseLoadRequest, 688  
 briar::DatabaseMergeReply, 700  
 briar::DatabaseMergeRequest, 712  
 briar::DatabaseMoveEntryReply, 723  
 briar::DatabaseMoveEntryRequest, 735  
 briar::DatabaseRemoveTmplsReply, 748  
 briar::DatabaseRemoveTmplsRequest, 760  
 briar::DatabaseRenameReply, 773  
 briar::DatabaseRenameRequest, 785  
 briar::DatabaseRetrieveReply, 797  
 briar::DatabaseRetrieveRequest, 811  
 briar::Detection, 827  
 briar::DetectionOptions, 848  
 briar::DetectReply, 869  
 briar::DetectRequest, 885  
 briar::Empty, 898  
 briar::EnhanceOptions, 909  
 briar::EnhanceReply, 924  
 briar::EnhanceRequest, 939  
 briar::EnrollCustomRequest, 955  
 briar::EnrollmentInfo, 972  
 briar::EnrollOptions, 993  
 briar::EnrollReply, 1016  
 briar::EnrollRequest, 1038  
 briar::ExtractOptions, 1061  
 briar::ExtractReply, 1077  
 briar::ExtractRequest, 1094  
 briar::FloatOption, 1107  
 briar::FrameMetadata, 1117  
 briar::IntOption, 1127  
 briar::MediaMetadata, 1150  
 briar::Record, 1167  
 briar::Record\_MediaPreviewsEntry\_DoNotUse, 1184  
 briar::Record\_SubjectPreviewsEntry\_DoNotUse, 1188  
 briar::RecordList, 1197  
 briar::SearchDatabaseReply, 1209  
 briar::SearchDatabaseRequest, 1224  
 briar::SearchMatchInfo, 1242  
 briar::SearchMatchList, 1260  
 briar::SearchOptions, 1275  
 briar::SearchReply, 1298  
 briar::SearchRequest, 1317  
 briar::StatusReply, 1335  
 briar::StatusRequest, 1347  
 briar::StringOption, 1356  
 briar::Template, 1371  
 briar::TemplateData, 1386  
 briar::TemplateIds, 1403  
 briar::TemplateImageInput, 1415  
 briar::TemplateList, 1425  
 briar::TemplateListGroup, 1436  
 briar::TrackingOptions, 1448  
 briar::Tracklet, 1465  
 briar::TrackReply, 1480  
 briar::TrackRequest, 1495  
 briar::VerifyDatabaseReply, 1511  
 briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse, 1521  
 briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse, 1525  
 briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse, 1530  
 briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse, 1534  
 briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse, 1539  
 briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse, 1543  
 briar::VerifyDatabaseRequest, 1555  
 briar::VerifyMatchInfo, 1574  
 briar::VerifyMatchList, 1592  
 briar::VerifyOptions, 1604  
 briar::VerifyReply, 1621  
 briar::VerifyRequest, 1639  
 IntOption  
   briar::IntOption, 1124, 1125  
 IntOptionDefaultTypeInternal  
   briar::IntOptionDefaultTypeInternal, 1131  
 IRIS  
   briar, 35  
 is\_complete  
   briar::DatabaseHasEntryReply, 551  
 is\_proto\_enum< ::briar::BiometricModality >, 1132  
 is\_proto\_enum< ::briar::BriarDataType >, 1132  
 is\_proto\_enum< ::briar::BriarError >, 1133  
 is\_proto\_enum< ::briar::BriarMedia\_DataType >, 1134  
 is\_proto\_enum< ::briar::BriarServiceStatus >, 1135  
 is\_proto\_enum< ::briar::EnrollFlags >, 1136  
 is\_proto\_enum< ::briar::EntryType >, 1137  
 is\_proto\_enum< ::briar::ExtractFlags >, 1138  
 is\_proto\_enum< ::briar::FeatureVectorType >, 1139  
 is\_proto\_enum< ::briar::SearchFlags >, 1140

is\_proto\_enum< ::briar::VerifyFlags >, 1141  
is\_proto\_enum< ::briar::VerifyRequest\_VerifyRole >, 1142  
iscropped  
    briar::BriarMedia, 305  
IsInitialized  
    briar::APIVersion, 136  
    briar::Attribute, 151  
    briar::BoolOption, 171  
    briar::BriarDatabase, 181  
    briar::BriarDatabaseInfo, 197  
    briar::BriarDuration, 211  
    briar::BriarDurations, 224  
    briar::BriarDurationsList, 244  
    briar::BriarErrorMessage, 253  
    briar::BriarErrors, 264  
    briar::BriarMatrix, 282  
    briar::BriarMedia, 306  
    briar::BriarPoint2D, 327  
    briar::BriarProgress, 337  
    briar::BriarRect, 348  
    briar::BriarServiceConfigurationReply, 360  
    briar::BriarVector, 381  
    briar::ClusterConfidence, 390  
    briar::ClusterIds, 401  
    briar::ClusterReply, 414  
    briar::ClusterRequest, 427  
    briar::DatabaseCheckpointReply, 439  
    briar::DatabaseCheckpointRequest, 452  
    briar::DatabaseCheckpointSubjectRequest, 465  
    briar::DatabaseCreateReply, 479  
    briar::DatabaseCreateRequest, 492  
    briar::DatabaseDeleteReply, 505  
    briar::DatabaseDeleteRequest, 517  
    briar::DatabaseFinalizeReply, 529  
    briar::DatabaseFinalizeRequest, 540  
    briar::DatabaseHasEntryReply, 551  
    briar::DatabaseHasEntryRequest, 563  
    briar::DatabaseInfoReply, 575  
    briar::DatabaseInfoRequest, 586  
    briar::DatabaseInsertReply, 599  
    briar::DatabaseInsertRequest, 612  
    briar::DatabaseListentriesReply, 628  
    briar::DatabaseListEntriesRequest, 640  
    briar::DatabaseListReply, 652  
    briar::DatabaseListRequest, 662  
    briar::DatabaseLoadReply, 675  
    briar::DatabaseLoadRequest, 688  
    briar::DatabaseMergeReply, 700  
    briar::DatabaseMergeRequest, 712  
    briar::DatabaseMoveEntryReply, 723  
    briar::DatabaseMoveEntryRequest, 735  
    briar::DatabaseRemoveTmplsReply, 748  
    briar::DatabaseRemoveTmplsRequest, 760  
    briar::DatabaseRenameReply, 773  
    briar::DatabaseRenameRequest, 785  
    briar::DatabaseRetrieveReply, 797  
    briar::DatabaseRetrieveRequest, 811  
    briar::Detection, 828  
    briar::DetectionOptions, 848  
    briar::DetectReply, 869  
    briar::DetectRequest, 886  
    briar::EnhanceOptions, 909  
    briar::EnhanceReply, 924  
    briar::EnhanceRequest, 939  
    briar::EnrollCustomRequest, 955  
    briar::EnrollmentInfo, 972  
    briar::EnrollOptions, 993  
    briar::EnrollReply, 1016  
    briar::EnrollRequest, 1038  
    briar::ExtractOptions, 1061  
    briar::ExtractReply, 1077  
    briar::ExtractRequest, 1095  
    briar::FloatOption, 1107  
    briar::FrameMetadata, 1118  
    briar::IntOption, 1127  
    briar::MediaMetadata, 1150  
    briar::Record, 1167  
    briar::RecordList, 1197  
    briar::SearchDatabaseReply, 1209  
    briar::SearchDatabaseRequest, 1224  
    briar::SearchMatchInfo, 1242  
    briar::SearchMatchList, 1260  
    briar::SearchOptions, 1275  
    briar::SearchReply, 1298  
    briar::SearchRequest, 1317  
    briar::StatusReply, 1335  
    briar::StringOption, 1356  
    briar::Template, 1371  
    briar::TemplateData, 1386  
    briar::TemplateIds, 1403  
    briar::TemplateImageInput, 1415  
    briar::TemplateList, 1425  
    briar::TemplateListGroup, 1436  
    briar::TrackingOptions, 1449  
    briar::Tracklet, 1465  
    briar::TrackReply, 1480  
    briar::TrackRequest, 1495  
    briar::VerifyDatabaseReply, 1511  
    briar::VerifyDatabaseRequest, 1555  
    briar::VerifyMatchInfo, 1574  
    briar::VerifyMatchList, 1592  
    briar::VerifyOptions, 1605  
    briar::VerifyReply, 1621  
    briar::VerifyRequest, 1639  
    ivalue  
        briar::Attribute, 152  
    JPG  
        briar::BriarMedia, 317  
    JSON  
        briar, 35  
    json  
        briar::Attribute, 152  
    kAlgorithmFieldNumber  
        briar::Record, 1159

briar::Template, 1366  
**kAlgorithmIdFieldNumber**  
 briar::DetectionOptions, 840  
 briar::EnhanceOptions, 904  
 briar::ExtractOptions, 1055  
 briar::TrackingOptions, 1443  
**kApiVersionFieldNumber**  
 briar::StatusReply, 1330  
**kAssociatedDetectionIdFieldNumber**  
 briar::Template, 1366  
**kAssociatedTrackletIdFieldNumber**  
 briar::Template, 1366  
**kAttributesFieldNumber**  
 briar::BriarDatabaseInfo, 189  
 briar::Detection, 822  
 briar::DetectionOptions, 840  
 briar::EnhanceOptions, 904  
 briar::EnrollmentInfo, 968  
 briar::EnrollOptions, 986  
 briar::ExtractOptions, 1055  
 briar::FrameMetadata, 1114  
 briar::MediaMetadata, 1146  
 briar::Record, 1159  
 briar::TrackingOptions, 1443  
 briar::Tracklet, 1460  
**kAverageEntrySizeFieldNumber**  
 briar::BriarDatabaseInfo, 189  
**kBasePortFieldNumber**  
 briar::BriarServiceConfigurationReply, 355  
**kBestFieldNumber**  
 briar::DetectionOptions, 840  
**kBodyFieldNumber**  
 briar::SearchMatchInfo, 1236  
 briar::VerifyMatchInfo, 1568  
**kBodyMinHeightFieldNumber**  
 briar::DetectionOptions, 840  
**kBodyThresholdFieldNumber**  
 briar::DetectionOptions, 840  
**kBufferFieldNumber**  
 briar::Attribute, 145  
 briar::Template, 1366  
**kChannelsFieldNumber**  
 briar::BriarMedia, 298  
**kClientDurationFileLevelFieldNumber**  
 briar::BriarDurations, 219  
**kClientDurationFrameLevelFieldNumber**  
 briar::BriarDurations, 219  
**kClusterConfidencesFieldNumber**  
 briar::ClusterReply, 408  
**kClusterIdsFieldNumber**  
 briar::ClusterReply, 408  
**kColumnAttributesFieldNumber**  
 briar::BriarMatrix, 272  
**kColumnHeadersFieldNumber**  
 briar::BriarMatrix, 272  
**kColumnHeadersIntegerFieldNumber**  
 briar::BriarMatrix, 272  
**kColumnSourcesFieldNumber**  
 briar::BriarMatrix, 272  
 briar::BriarMatrix, 272  
**kConfidenceFieldNumber**  
 briar::Detection, 822  
**kConfidencesFieldNumber**  
 briar::ClusterConfidence, 387  
**kConfigurationFieldNumber**  
 briar::StatusReply, 1330  
**kCroppedFieldNumber**  
 briar::EnhanceOptions, 904  
**kCurrentStepFieldNumber**  
 briar::BriarProgress, 334  
**kDatabaseFieldNumber**  
 briar::ClusterRequest, 423  
 briar::DatabaseCheckpointRequest, 448  
 briar::DatabaseCheckpointSubjectRequest, 461  
 briar::DatabaseCreateRequest, 488  
 briar::DatabaseDeleteRequest, 514  
 briar::DatabaseFinalizeRequest, 537  
 briar::DatabaseHasEntryRequest, 559  
 briar::DatabaseInsertRequest, 608  
 briar::DatabaseLoadRequest, 684  
 briar::DatabaseRemoveTmplsRequest, 756  
 briar::DatabaseRenameRequest, 781  
 briar::DatabaseRetrieveRequest, 807  
 briar::EnrollCustomRequest, 950  
 briar::EnrollRequest, 1030  
 briar::SearchDatabaseRequest, 1219  
 briar::SearchRequest, 1311  
**kDatabaseIdFieldNumber**  
 briar::EnrollmentInfo, 968  
 briar::Record, 1159  
**kDatabaseListFieldNumber**  
 briar::DatabaseMergeRequest, 708  
**kDatabaseNameFieldNumber**  
 briar::DatabaseInfoRequest, 583  
 briar::DatabaseListEntriesRequest, 637  
**kDatabaseNamesFieldNumber**  
 briar::DatabaseListReply, 648  
**kDatabaseNewFieldNumber**  
 briar::DatabaseRenameRequest, 781  
**kDataFieldNumber**  
 briar::BriarMedia, 298  
 briar::BriarVector, 377  
 briar::Template, 1366  
**kDatetimeFieldNumber**  
 briar::BriarMedia, 298  
**kDebugFieldNumber**  
 briar::DetectionOptions, 840  
 briar::EnrollOptions, 986  
 briar::ExtractOptions, 1055  
 briar::VerifyOptions, 1600  
**kDescriptionFieldNumber**  
 briar::Attribute, 145  
 briar::BriarMedia, 298  
 briar::TemplateData, 1382  
**kDetectBatchFieldNumber**  
 briar::DetectionOptions, 840  
**kDetectionClassFieldNumber**

briar::Detection, 822  
kDetectionFieldNumber  
    briar::Record, 1159  
kDetectionIdFieldNumber  
    briar::Detection, 822  
kDetectionsFieldNumber  
    briar::DetectReply, 864  
    briar::EnrollReply, 1009  
    briar::EnrollRequest, 1030  
    briar::ExtractRequest, 1089  
    briar::SearchRequest, 1311  
    briar::TemplateImageInput, 1411  
    briar::Tracklet, 1460  
    briar::VerifyRequest, 1633  
kDetectOptionsFieldNumber  
    briar::DetectRequest, 880  
    briar::EnrollCustomRequest, 950  
    briar::EnrollRequest, 1030  
    briar::ExtractRequest, 1089  
    briar::SearchRequest, 1311  
    briar::TrackRequest, 1491  
    briar::VerifyRequest, 1633  
kDetectReplyFieldNumber  
    briar::EnrollReply, 1009  
    briar::ExtractReply, 1072  
    briar::SearchReply, 1293  
    briar::VerifyReply, 1616  
kDeveloperNameFieldNumber  
    briar::StatusReply, 1330  
kDevShortFieldNumber  
    briar::StatusReply, 1330  
kDurationFieldNumber  
    briar::DatabaseInfoReply, 571  
kDurationsFieldNumber  
    briar::ClusterReply, 408  
    briar::ClusterRequest, 423  
    briar::DatabaseCheckpointReply, 435  
    briar::DatabaseCheckpointRequest, 448  
    briar::DatabaseCheckpointSubjectRequest, 461  
    briar::DatabaseCreateReply, 475  
    briar::DatabaseCreateRequest, 488  
    briar::DatabaseDeleteReply, 501  
    briar::DatabaseDeleteRequest, 514  
    briar::DatabaseFinalizeReply, 525  
    briar::DatabaseInfoRequest, 583  
    briar::DatabaseInsertReply, 594  
    briar::DatabaseInsertRequest, 608  
    briar::DatabaseListentriesReply, 622  
    briar::DatabaseListEntriesRequest, 637  
    briar::DatabaseLoadReply, 670  
    briar::DatabaseLoadRequest, 684  
    briar::DatabaseMergeReply, 696  
    briar::DatabaseMergeRequest, 708  
    briar::DatabaseRemoveTmplsReply, 745  
    briar::DatabaseRemoveTmplsRequest, 756  
    briar::DatabaseRenameReply, 769  
    briar::DatabaseRetrieveReply, 793  
    briar::DatabaseRetrieveRequest, 807  
briar::DetectReply, 864  
briar::DetectRequest, 880  
briar::EnhanceReply, 919  
briar::EnhanceRequest, 934  
briar::EnrollCustomRequest, 950  
briar::EnrollReply, 1009  
briar::EnrollRequest, 1030  
briar::ExtractReply, 1072  
briar::ExtractRequest, 1089  
briar::SearchDatabaseReply, 1204  
briar::SearchDatabaseRequest, 1219  
briar::SearchReply, 1293  
briar::SearchRequest, 1311  
briar::TrackReply, 1475  
briar::TrackRequest, 1491  
briar::VerifyDatabaseRequest, 1550  
briar::VerifyReply, 1616  
briar::VerifyRequest, 1633  
kDurationsListFieldNumber  
    briar::BriarDurationsList, 240  
kEnableMetadataFieldNumber  
    briar::DetectionOptions, 840  
kEndFieldNumber  
    briar::BriarDuration, 208  
kEnhanceBatchFieldNumber  
    briar::EnhanceOptions, 904  
kEnhanceOptionsFieldNumber  
    briar::EnhanceRequest, 934  
kEnrollBatchFieldNumber  
    briar::EnrollOptions, 986  
kEnrollFlagFieldNumber  
    briar::EnrollOptions, 986  
    briar::EnrollRequest, 1030  
kEnrollmentsFieldNumber  
    briar::EnrollReply, 1009  
kEnrollOptionsFieldNumber  
    briar::EnrollCustomRequest, 950  
    briar::EnrollRequest, 1030  
kEntryAttributesFieldNumber  
    briar::DatabaseListentriesReply, 622  
kEntryCountFieldNumber  
    briar::BriarDatabaseInfo, 189  
    briar::DatabaseDeleteReply, 501  
    briar::DatabaseMergeReply, 696  
kEntryIdFieldNumber  
    briar::DatabaseHasEntryRequest, 559  
    briar::DatabaseMoveEntryRequest, 731  
    briar::Record, 1159  
kEntryIdGalleryFieldNumber  
    briar::SearchMatchInfo, 1236  
kEntryIdProbeFieldNumber  
    briar::SearchMatchInfo, 1236  
kEntryIdReferenceFieldNumber  
    briar::VerifyMatchInfo, 1568  
kEntryIdsFieldNumber  
    briar::BriarDatabaseInfo, 189  
    briar::DatabaseListentriesReply, 622  
kEntryIdVerificationFieldNumber

briar::VerifyMatchInfo, 1568  
 kEntryNameFieldNumber  
     briar::DetectRequest, 880  
 kEntrySizesFieldNumber  
     briar::BriarDatabaseInfo, 189  
 kEntryTypeFieldNumber  
     briar::DetectRequest, 880  
     briar::EnrollOptions, 986  
     briar::Record, 1159  
 kErrorCodeFieldNumber  
     briar::BriarErrorMessage, 250  
 kErrorMessageFieldNumber  
     briar::BriarErrorMessage, 250  
 kErrorsFieldNumber  
     briar::BriarErrors, 260  
     briar::ClusterReply, 408  
     briar::DatabaseCheckpointReply, 435  
     briar::DatabaseCheckpointRequest, 448  
     briar::DatabaseCheckpointSubjectRequest, 461  
     briar::DatabaseCreateReply, 475  
     briar::DatabaseDeleteReply, 501  
     briar::DatabaseFinalizeReply, 525  
     briar::DatabaseInsertReply, 594  
     briar::DatabaseLoadReply, 670  
     briar::DatabaseRemoveTmplsReply, 745  
     briar::DatabaseRenameReply, 769  
     briar::DatabaseRetrieveReply, 793  
     briar::DetectReply, 864  
     briar::EnhanceReply, 919  
     briar::EnrollReply, 1009  
     briar::ExtractReply, 1072  
     briar::SearchDatabaseReply, 1204  
     briar::SearchReply, 1293  
     briar::TrackReply, 1475  
     briar::VerifyDatabaseReply, 1506  
     briar::VerifyReply, 1616  
 kExistsFieldNumber  
     briar::DatabaseCheckpointReply, 435  
     briar::DatabaseDeleteReply, 501  
     briar::DatabaseFinalizeReply, 525  
     briar::DatabaseHasEntryReply, 548  
     briar::DatabaseInfoReply, 571  
     briar::DatabaseInsertReply, 594  
     briar::DatabaseListentriesReply, 622  
     briar::DatabaseLoadReply, 670  
     briar::DatabaseMergeReply, 696  
     briar::DatabaseRenameReply, 769  
 kExtractBatchFieldNumber  
     briar::ExtractOptions, 1055  
 kExtractOptionsFieldNumber  
     briar::EnrollCustomRequest, 950  
     briar::EnrollRequest, 1030  
     briar::ExtractRequest, 1089  
     briar::SearchRequest, 1311  
     briar::VerifyRequest, 1633  
 kExtractReplyFieldNumber  
     briar::EnrollReply, 1009  
     briar::SearchReply, 1293  
     briar::VerifyReply, 1616  
 key  
     briar::Attribute, 152  
     briar::TemplateData, 1386  
 kFaceFieldNumber  
     briar::SearchMatchInfo, 1236  
     briar::VerifyMatchInfo, 1568  
 kFaceMinHeightFieldNumber  
     briar::DetectionOptions, 840  
 kFaceThresholdFieldNumber  
     briar::DetectionOptions, 840  
 kFailedEnrollmentCountFieldNumber  
     briar::BriarDatabaseInfo, 189  
 kFlagFieldNumber  
     briar::ExtractOptions, 1055  
     briar::SearchOptions, 1269  
     briar::VerifyOptions, 1600  
     briar::VerifyRequest, 1633  
 kFrameCountFieldNumber  
     briar::BriarMedia, 298  
 kFrameEndFieldNumber  
     briar::BriarMedia, 298  
 kFrameFieldNumber  
     briar::Detection, 822  
     briar::DetectRequest, 880  
     briar::EnrollRequest, 1030  
 kFrameIdFieldNumber  
     briar::DetectReply, 864  
     briar::EnhanceRequest, 934  
     briar::EnrollReply, 1009  
     briar::ExtractReply, 1072  
 kFrameIdsFieldNumber  
     briar::TrackReply, 1475  
 kFrameMetadataFieldNumber  
     briar::MediaMetadata, 1146  
 kFrameNumberFieldNumber  
     briar::BriarMedia, 298  
 kFrameRateFieldNumber  
     briar::BriarMedia, 298  
 kFrameStartFieldNumber  
     briar::BriarMedia, 298  
 kFromDatabaseFieldNumber  
     briar::DatabaseMoveEntryRequest, 731  
 kFullFieldNumber  
     briar::SearchOptions, 1269  
 kValueFieldNumber  
     briar::Attribute, 145  
 kGateFieldNumber  
     briar::SearchMatchInfo, 1236  
     briar::VerifyMatchInfo, 1568  
 kGroupFieldNumber  
     briar::TemplateListGroup, 1432  
 kGrpclnboundTransferDurationFieldNumber  
     briar::BriarDurations, 219  
 kGrpcOutboundTransferDurationFieldNumber  
     briar::BriarDurations, 219  
 kHeightFieldNumber  
     briar::BriarMedia, 298

briar::BriarRect, 344  
kIdFieldNumber  
    briar::Template, 1366  
kIdsFieldNumber  
    briar::ClusterIds, 397  
    briar::DatabaseCreateReply, 475  
    briar::DatabaseInsertReply, 594  
    briar::DatabaseInsertRequest, 608  
    briar::DatabaseLoadReply, 670  
    briar::DatabaseRemoveTmplsRequest, 756  
    briar::DatabaseRetrieveRequest, 807  
    briar::TemplateIds, 1399  
klmFieldNumber  
    briar::TemplateImageInput, 1411  
kIndexInFileMessages  
    briar::APIVersion, 139  
    briar::Attribute, 164  
    briar::BoolOption, 174  
    briar::BriarDatabase, 184  
    briar::BriarDatabaseInfo, 203  
    briar::BriarDuration, 214  
    briar::BriarDurations, 231  
    briar::BriarDurationsList, 246  
    briar::BriarErrorMessage, 256  
    briar::BriarErrors, 267  
    briar::BriarMatrix, 291  
    briar::BriarMedia, 317  
    briar::BriarPoint2D, 330  
    briar::BriarProgress, 340  
    briar::BriarRect, 350  
    briar::BriarServiceConfigurationReply, 365  
    briar::BriarServiceConfigurationRequest, 373  
    briar::BriarVector, 383  
    briar::ClusterConfidence, 392  
    briar::ClusterIds, 404  
    briar::ClusterReply, 419  
    briar::ClusterRequest, 430  
    briar::DatabaseCheckpointReply, 442  
    briar::DatabaseCheckpointRequest, 456  
    briar::DatabaseCheckpointSubjectRequest, 470  
    briar::DatabaseCreateReply, 483  
    briar::DatabaseCreateRequest, 496  
    briar::DatabaseDeleteReply, 509  
    briar::DatabaseDeleteRequest, 521  
    briar::DatabaseFinalizeReply, 533  
    briar::DatabaseFinalizeRequest, 543  
    briar::DatabaseHasEntryReply, 554  
    briar::DatabaseHasEntryRequest, 566  
    briar::DatabaseInfoReply, 578  
    briar::DatabaseInfoRequest, 590  
    briar::DatabaseInsertReply, 603  
    briar::DatabaseInsertRequest, 617  
    briar::DatabaseListEntriesReply, 632  
    briar::DatabaseListEntriesRequest, 644  
    briar::DatabaseListReply, 655  
    briar::DatabaseListRequest, 665  
    briar::DatabaseLoadReply, 680  
    briar::DatabaseLoadRequest, 691  
briar::DatabaseMergeReply, 703  
briar::DatabaseMergeRequest, 716  
briar::DatabaseMoveEntryReply, 726  
briar::DatabaseMoveEntryRequest, 740  
briar::DatabaseRemoveTmplsReply, 752  
briar::DatabaseRemoveTmplsRequest, 764  
briar::DatabaseRenameReply, 777  
briar::DatabaseRenameRequest, 788  
briar::DatabaseRetrieveReply, 802  
briar::DatabaseRetrieveRequest, 815  
briar::Detection, 834  
briar::DetectionOptions, 858  
briar::DetectReply, 875  
briar::DetectRequest, 893  
briar::Empty, 900  
briar::EnhanceOptions, 914  
briar::EnhanceReply, 929  
briar::EnhanceRequest, 945  
briar::EnrollCustomRequest, 962  
briar::EnrollmentInfo, 979  
briar::EnrollOptions, 1004  
briar::EnrollReply, 1023  
briar::EnrollRequest, 1050  
briar::ExtractOptions, 1066  
briar::ExtractReply, 1085  
briar::ExtractRequest, 1100  
briar::FloatOption, 1110  
briar::FrameMetadata, 1120  
briar::IntOption, 1130  
briar::MediaMetadata, 1153  
briar::Record, 1181  
briar::RecordList, 1200  
briar::SearchDatabaseReply, 1213  
briar::SearchDatabaseRequest, 1230  
briar::SearchMatchInfo, 1253  
briar::SearchMatchList, 1263  
briar::SearchOptions, 1287  
briar::SearchReply, 1306  
briar::SearchRequest, 1325  
briar::StatusReply, 1341  
briar::StatusRequest, 1349  
briar::StringOption, 1359  
briar::Template, 1378  
briar::TemplateData, 1393  
briar::TemplateIds, 1407  
briar::TemplateImageInput, 1418  
briar::TemplateList, 1428  
briar::TemplateListGroup, 1438  
briar::TrackingOptions, 1455  
briar::Tracklet, 1469  
briar::TrackReply, 1486  
briar::TrackRequest, 1501  
briar::VerifyDatabaseReply, 1518  
briar::VerifyDatabaseRequest, 1562  
briar::VerifyMatchInfo, 1585  
briar::VerifyMatchList, 1595  
briar::VerifyOptions, 1611  
briar::VerifyReply, 1627

briar::VerifyRequest, 1647  
 kInfoFieldNumber  
     briar::DatabaseInfoReply, 571  
 kIntegerSubjectIdGalleryFieldNumber  
     briar::SearchMatchInfo, 1236  
     briar::VerifyMatchInfo, 1568  
 kIsCompleteFieldNumber  
     briar::DatabaseHasEntryReply, 548  
 kIsCroppedFieldNumber  
     briar::BriarMedia, 298  
 kJsonValueFieldNumber  
     briar::Attribute, 145  
 kJsonFieldNumber  
     briar::Attribute, 145  
 kKeyFieldNumber  
     briar::Attribute, 145  
     briar::TemplateData, 1382  
 kLengthFieldNumber  
     briar::BriarErrors, 260  
     briar::TemplateIds, 1399  
 kLocationFieldNumber  
     briar::Detection, 822  
 kMajorFieldNumber  
     briar::APIVersion, 133  
 kMaskFieldNumber  
     briar::Detection, 822  
 kMatchListFieldNumber  
     briar::SearchMatchList, 1257  
     briar::VerifyMatchList, 1589  
 kMatchMatrixFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixFieldNumber  
     briar::Attribute, 145  
 kMatrixGalleryAttributesFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixGalleryDetectionsFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixGalleryTrackletsFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixProbeAttributesFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixProbeDetectionsFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMatrixProbeTrackletsFieldNumber  
     briar::VerifyDatabaseReply, 1506  
 kMaxResultsFieldNumber  
     briar::SearchOptions, 1269  
 kMediaFieldNumber  
     briar::Attribute, 145  
     briar::Detection, 822  
     briar::DetectRequest, 880  
     briar::EnhanceReply, 919  
     briar::EnhanceRequest, 934  
     briar::EnrollRequest, 1030  
     briar::ExtractRequest, 1089  
     briar::SearchRequest, 1311  
     briar::TrackRequest, 1491  
     briar::VerifyRequest, 1633  
 kMedialdFieldNumber  
     briar::DetectRequest, 880  
     briar::EnrollmentInfo, 968  
     briar::EnrollOptions, 986  
     briar::EnrollRequest, 1030  
     briar::Record, 1159  
     briar::SearchMatchInfo, 1236  
     briar::VerifyMatchInfo, 1568  
 kMediaPreviewsFieldNumber  
     briar::Record, 1159  
 kMetadataFieldNumber  
     briar::BriarMedia, 298  
     briar::EnhanceRequest, 934  
     briar::Template, 1366  
     briar::TemplateData, 1382  
 kMinorFieldNumber  
     briar::APIVersion, 133  
 kModalitiesFieldNumber  
     briar::BriarDatabaseInfo, 189  
 kModalityFieldNumber  
     briar::Detection, 822  
     briar::DetectionOptions, 840  
     briar::DetectReply, 864  
     briar::EnhanceOptions, 904  
     briar::EnrollOptions, 986  
     briar::ExtractOptions, 1055  
     briar::ExtractReply, 1072  
     briar::Record, 1159  
     briar::SearchOptions, 1269  
     briar::Template, 1366  
     briar::TemplateData, 1382  
     briar::TrackingOptions, 1443  
     briar::TrackReply, 1475  
     briar::VerifyOptions, 1600  
 kNameFieldNumber  
     briar::BriarDatabase, 178  
     briar::BriarDatabaseInfo, 189  
     briar::EnrollmentInfo, 968  
     briar::Record, 1159  
 kNotesFieldNumber  
     briar::Record, 1159  
 kNumberOfProcessesPerPortFieldNumber  
     briar::BriarServiceConfigurationReply, 355  
 kNumberOfServicePortsFieldNumber  
     briar::BriarServiceConfigurationReply, 355  
 kNumberOfThreadsPerProcessFieldNumber  
     briar::BriarServiceConfigurationReply, 355  
 kOptionsFieldNumber  
     briar::EnhanceRequest, 934  
     briar::Tracklet, 1460  
 kOutDirFieldNumber  
     briar::SearchOptions, 1269  
 kOutputDatabaseFieldNumber  
     briar::DatabaseMergeRequest, 708  
 kOutputTypeFieldNumber  
     briar::SearchOptions, 1269  
 kOverrideDefaultFieldNumber  
     briar::BoolOption, 168

briar::FloatOption, 1104  
briar::IntOption, 1124  
briar::StringOption, 1353  
kPartsFieldNumber  
    briar::Template, 1366  
kPatchFieldNumber  
    briar::APIVersion, 133  
kPickleFieldNumber  
    briar::Attribute, 145  
kPointFieldNumber  
    briar::Attribute, 145  
kPortListFieldNumber  
    briar::BriarServiceConfigurationReply, 355  
kProbeDatabaseFieldNumber  
    briar::SearchDatabaseRequest, 1219  
    briar::SearchOptions, 1269  
kProbeDetectionsFieldNumber  
    briar::SearchReply, 1293  
kProbeEntryIdsFieldNumber  
    briar::SearchDatabaseRequest, 1219  
    briar::VerifyDatabaseRequest, 1550  
kProbesFieldNumber  
    briar::SearchRequest, 1311  
kProgressFieldNumber  
    briar::ClusterReply, 408  
    briar::DatabaseHasEntryReply, 548  
    briar::DatabaseMoveEntryReply, 720  
    briar::DetectReply, 864  
    briar::EnhanceReply, 919  
    briar::EnrollReply, 1009  
    briar::ExtractReply, 1072  
    briar::SearchDatabaseReply, 1204  
    briar::SearchReply, 1293  
    briar::TrackReply, 1475  
    briar::VerifyDatabaseReply, 1506  
kProgressOnlyReplyFieldNumber  
    briar::DetectReply, 864  
    briar::EnhanceReply, 919  
    briar::EnrollReply, 1009  
    briar::ExtractReply, 1072  
    briar::SearchReply, 1293  
    briar::TrackReply, 1475  
    briar::VerifyReply, 1616  
kRecordFieldNumber  
    briar::EnrollRequest, 1030  
kRecordsFieldNumber  
    briar::DatabaseLoadReply, 670  
    briar::DatabaseRetrieveReply, 793  
    briar::RecordList, 1194  
kRectFieldNumber  
    briar::Attribute, 145  
kReferenceDatabaseFieldNumber  
    briar::VerifyDatabaseRequest, 1550  
kReferenceMediaFieldNumber  
    briar::DetectReply, 864  
kReferenceTmplsFieldNumber  
    briar::VerifyRequest, 1633  
kRegexFieldNumber  
    briar::DatabaseListRequest, 659  
kReportingProcessNumberFieldNumber  
    briar::BriarServiceConfigurationReply, 355  
kReturnMatrixFieldNumber  
    briar::SearchOptions, 1269  
kReturnMediaFieldNumber  
    briar::DetectionOptions, 840  
    briar::EnhanceOptions, 904  
    briar::EnrollOptions, 986  
    briar::ExtractOptions, 1055  
    briar::SearchOptions, 1269  
    briar::TrackingOptions, 1443  
    briar::VerifyOptions, 1600  
kRoleFieldNumber  
    briar::VerifyRequest, 1633  
kRowAttributesFieldNumber  
    briar::BriarMatrix, 272  
kRowHeadersFieldNumber  
    briar::BriarMatrix, 272  
kRowHeadersIntegerFieldNumber  
    briar::BriarMatrix, 272  
kRowsFieldNumber  
    briar::BriarMatrix, 272  
kRowSourcesFieldNumber  
    briar::BriarMatrix, 272  
kSaveMetadataFieldNumber  
    briar::EnrollOptions, 986  
kScoreFieldNumber  
    briar::SearchMatchInfo, 1236  
    briar::VerifyMatchInfo, 1568  
kSearchBatchFieldNumber  
    briar::SearchOptions, 1269  
kSearchDatabaseFieldNumber  
    briar::SearchOptions, 1269  
kSearchOptionsFieldNumber  
    briar::SearchDatabaseRequest, 1219  
    briar::SearchRequest, 1311  
kSearchThresholdFieldNumber  
    briar::SearchOptions, 1269  
kSegmentIdFieldNumber  
    briar::BriarMedia, 298  
kSegmentTotalFieldNumber  
    briar::BriarMedia, 298  
kServersideSourceFieldNumber  
    briar::BriarMedia, 298  
kServiceDurationFieldNumber  
    briar::BriarDurations, 219  
kServiceNameFieldNumber  
    briar::StatusReply, 1330  
kShouldCopyFieldNumber  
    briar::DatabaseMoveEntryRequest, 731  
kSigsetEncodedFieldNumber  
    briar::EnrollCustomRequest, 950  
kSigsetNameFieldNumber  
    briar::EnrollCustomRequest, 950  
kSimilaritiesFieldNumber  
    briar::SearchDatabaseReply, 1204  
    briar::SearchReply, 1293

briar::VerifyReply, 1616  
**kSourceFieldNumber**  
 briar::BriarMedia, 298  
 briar::EnrollmentInfo, 968  
 briar::Record, 1159  
**kSourceIdFieldNumber**  
 briar::Record, 1159  
 briar::TemplateData, 1382  
**kSourceTypeFieldNumber**  
 briar::BriarMedia, 298  
**kStartFieldNumber**  
 briar::BriarDuration, 208  
**kStatusFieldNumber**  
 briar::StatusReply, 1330  
**kStoreMediaFieldNumber**  
 briar::EnrollOptions, 986  
**kSubDurationsFieldNumber**  
 briar::BriarDurations, 219  
**kSubjectIdFieldNumber**  
 briar::DatabaseCheckpointSubjectRequest, 461  
 briar::DetectRequest, 880  
 briar::EnrollmentInfo, 968  
 briar::Record, 1159  
 briar::TrackRequest, 1491  
**kSubjectIdGalleryFieldNumber**  
 briar::SearchMatchInfo, 1236  
**kSubjectIdIntegerFieldNumber**  
 briar::EnrollOptions, 986  
 briar::EnrollRequest, 1030  
**kSubjectIdProbeFieldNumber**  
 briar::SearchMatchInfo, 1236  
**kSubjectIdReferenceFieldNumber**  
 briar::VerifyMatchInfo, 1568  
**kSubjectIdsFieldNumber**  
 briar::EnrollOptions, 986  
 briar::EnrollRequest, 1030  
**kSubjectIdVerifyFieldNumber**  
 briar::VerifyMatchInfo, 1568  
**kSubjectNameFieldNumber**  
 briar::SearchMatchInfo, 1236  
 briar::TrackRequest, 1491  
 briar::VerifyMatchInfo, 1568  
**kSubjectPreviewsFieldNumber**  
 briar::Record, 1159  
**kSubmodalityFieldNumber**  
 briar::TemplateData, 1382  
**kSuccessFieldNumber**  
 briar::DatabaseMoveEntryReply, 720  
**kTemplateCountFieldNumber**  
 briar::BriarDatabaseInfo, 189  
**kTemplateFieldNumber**  
 briar::EnrollRequest, 1030  
**kTemplatesFieldNumber**  
 briar::DatabaseRetrieveReply, 793  
 briar::ExtractReply, 1072  
 briar::Record, 1159  
**kTemplatesPerEntryFieldNumber**  
 briar::BriarDatabaseInfo, 189  
**kTextFieldNumber**  
 briar::Attribute, 145  
**kTheoreticalMaxFieldNumber**  
 briar::SearchMatchInfo, 1236  
 briar::VerifyMatchInfo, 1568  
**kTheoreticalMinFieldNumber**  
 briar::SearchMatchInfo, 1236  
 briar::VerifyMatchInfo, 1568  
**kThresholdFieldNumber**  
 briar::TrackingOptions, 1443  
**kTmplsFieldNumber**  
 briar::DatabaseCreateRequest, 488  
 briar::DatabaseInsertRequest, 608  
 briar::TemplateList, 1422  
**kToDatabaseFieldNumber**  
 briar::DatabaseMoveEntryRequest, 731  
**kTotalDatabaseSizeFieldNumber**  
 briar::BriarDatabaseInfo, 189  
**kTotalDurationFieldNumber**  
 briar::BriarDurations, 219  
**kTotalStepsFieldNumber**  
 briar::BriarProgress, 334  
**kTrackingBatchFieldNumber**  
 briar::TrackingOptions, 1443  
**kTrackingDisableFieldNumber**  
 briar::TrackingOptions, 1443  
**kTrackingOptionsFieldNumber**  
 briar::DetectionOptions, 840  
**kTrackletClassFieldNumber**  
 briar::Tracklet, 1460  
**kTrackletIdFieldNumber**  
 briar::Detection, 822  
 briar::TemplateData, 1382  
 briar::Tracklet, 1460  
**kTrackletsFieldNumber**  
 briar::Record, 1159  
 briar::TrackReply, 1475  
**kTrackReplyFieldNumber**  
 briar::EnrollReply, 1009  
 briar::ExtractReply, 1072  
**kTracksFieldNumber**  
 briar::EnrollRequest, 1030  
**kTypeFieldNumber**  
 briar::Attribute, 145  
 briar::BriarMedia, 298  
 briar::EnrollmentInfo, 968  
**kUseDetectionsFieldNumber**  
 briar::SearchOptions, 1269  
 briar::VerifyOptions, 1600  
**kUsesIntegerGalleryIdFieldNumber**  
 briar::VerifyMatchInfo, 1568  
**kUsesIntegerSubjectIdGalleryFieldNumber**  
 briar::SearchMatchInfo, 1236  
 briar::VerifyDatabaseReply, 1506  
**kUseSubjectIntegerIdFieldNumber**  
 briar::EnrollOptions, 986  
**kUseTemplatesFieldNumber**  
 briar::SearchOptions, 1269

briar::VerifyOptions, 1600  
kUseWholeImageFieldNumber  
    briar::VerifyOptions, 1600  
kValueFieldNumber  
    briar::BoolOption, 168  
    briar::FloatOption, 1104  
    briar::IntOption, 1124  
    briar::StringOption, 1353  
kVectorFieldNumber  
    briar::Attribute, 145  
kVerifyDatabaseFieldNumber  
    briar::VerifyDatabaseRequest, 1550  
kVerifyOptionsFieldNumber  
    briar::VerifyDatabaseRequest, 1550  
    briar::VerifyRequest, 1633  
kVersionFieldNumber  
    briar::StatusReply, 1330  
kWidthFieldNumber  
    briar::BriarMedia, 298  
    briar::BriarRect, 344  
kXFieldNumber  
    briar::BriarPoint2D, 324  
    briar::BriarRect, 344  
kXmlFieldNumber  
    briar::Attribute, 145  
kYFieldNumber  
    briar::BriarPoint2D, 324  
    briar::BriarRect, 344  
  
length  
    briar::BriarErrors, 264  
    briar::TemplateIds, 1404  
  
location  
    briar::Detection, 828  
    briar::Detection::\_Internal, 94  
  
major  
    briar::APIVersion, 136  
  
mask  
    briar::Detection, 828  
    briar::Detection::\_Internal, 94  
  
match\_list  
    briar::SearchMatchList, 1260  
    briar::VerifyMatchList, 1592  
  
match\_list\_size  
    briar::SearchMatchList, 1261  
    briar::VerifyMatchList, 1593  
  
match\_matrix  
    briar::VerifyDatabaseReply, 1511  
    briar::VerifyDatabaseReply::\_Internal, 125  
  
MATRIX  
    briar, 35  
  
matrix  
    briar::Attribute, 152  
    briar::Attribute::\_Internal, 69  
  
matrix\_gallery\_attributes  
    briar::VerifyDatabaseReply, 1511  
  
matrix\_gallery\_attributes\_size  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_gallery\_detections  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_gallery\_detections\_size  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_gallery\_tracklets  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_gallery\_tracklets\_size  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_probe\_attributes  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_probe\_attributes\_size  
    briar::VerifyDatabaseReply, 1512  
  
matrix\_probe\_detections  
    briar::VerifyDatabaseReply, 1513  
  
matrix\_probe\_detections\_size  
    briar::VerifyDatabaseReply, 1513  
  
matrix\_probe\_tracklets  
    briar::VerifyDatabaseReply, 1513  
  
matrix\_probe\_tracklets\_size  
    briar::VerifyDatabaseReply, 1513  
  
max\_results  
    briar::SearchOptions, 1276  
    briar::SearchOptions::\_Internal, 114  
  
MEDIA  
    briar, 35  
  
media  
    briar::Attribute, 152  
    briar::Attribute::\_Internal, 69  
    briar::Detection, 828  
    briar::Detection::\_Internal, 94  
    briar::DetectRequest, 886  
    briar::DetectRequest::\_Internal, 98  
    briar::EnhanceReply, 924  
    briar::EnhanceReply::\_Internal, 100  
    briar::EnhanceRequest, 939  
    briar::EnhanceRequest::\_Internal, 101  
    briar::EnrollRequest, 1038  
    briar::EnrollRequest::\_Internal, 106  
    briar::ExtractRequest, 1095  
    briar::ExtractRequest::\_Internal, 110  
    briar::SearchRequest, 1317  
    briar::SearchRequest::\_Internal, 118  
    briar::TrackRequest, 1495  
    briar::TrackRequest::\_Internal, 124  
    briar::VerifyRequest, 1639  
    briar::VerifyRequest::\_Internal, 130  
  
media\_id  
    briar::DetectRequest, 886  
    briar::EnrollmentInfo, 973  
    briar::EnrollOptions, 993  
    briar::EnrollRequest, 1038  
    briar::Record, 1167  
    briar::SearchMatchInfo, 1242  
    briar::VerifyMatchInfo, 1574  
  
media\_previews  
    briar::Record, 1167  
  
media\_previews\_size  
    briar::Record, 1167

**MediaMetadata**  
 briar::MediaMetadata, 1146, 1147  
**MediaMetadataDefaultTypeInternal**  
 briar::MediaMetadataDefaultTypeInternal, 1154  
**MergeFrom**  
 briar::APIVersion, 137  
 briar::Attribute, 152  
 briar::BoolOption, 172  
 briar::BriarDatabase, 181  
 briar::BriarDatabaseInfo, 197  
 briar::BriarDuration, 211  
 briar::BriarDurations, 224  
 briar::BriarDurations\_SubDurationsEntry\_DoNotUse, 234  
 briar::BriarDurationsList, 244  
 briar::BriarErrorMessage, 254  
 briar::BriarErrors, 264  
 briar::BriarMatrix, 282  
 briar::BriarMedia, 306  
 briar::BriarPoint2D, 327  
 briar::BriarProgress, 337  
 briar::BriarRect, 348  
 briar::BriarServiceConfigurationReply, 360  
 briar::BriarServiceConfigurationRequest, 371  
 briar::BriarVector, 381  
 briar::ClusterConfidence, 390  
 briar::ClusterIds, 401  
 briar::ClusterReply, 414  
 briar::ClusterRequest, 427  
 briar::DatabaseCheckpointReply, 439  
 briar::DatabaseCheckpointRequest, 452  
 briar::DatabaseCheckpointSubjectRequest, 465  
 briar::DatabaseCreateReply, 479  
 briar::DatabaseCreateRequest, 492  
 briar::DatabaseDeleteReply, 506  
 briar::DatabaseDeleteRequest, 518  
 briar::DatabaseFinalizeReply, 529  
 briar::DatabaseFinalizeRequest, 540  
 briar::DatabaseHasEntryReply, 552  
 briar::DatabaseHasEntryRequest, 563  
 briar::DatabaseInfoReply, 575  
 briar::DatabaseInfoRequest, 586  
 briar::DatabaseInsertReply, 599  
 briar::DatabaseInsertRequest, 613  
 briar::DatabaseListEntriesReply, 628  
 briar::DatabaseListEntriesRequest, 640  
 briar::DatabaseListReply, 652  
 briar::DatabaseListRequest, 663  
 briar::DatabaseLoadReply, 675  
 briar::DatabaseLoadRequest, 688  
 briar::DatabaseMergeReply, 700  
 briar::DatabaseMergeRequest, 712  
 briar::DatabaseMoveEntryReply, 723  
 briar::DatabaseMoveEntryRequest, 736  
 briar::DatabaseRemoveTmplsReply, 749  
 briar::DatabaseRemoveTmplsRequest, 760  
 briar::DatabaseRenameReply, 773  
 briar::DatabaseRenameRequest, 785  
 briar::DatabaseRetrieveReply, 797  
 briar::DatabaseRetrieveRequest, 811  
 briar::Detection, 828  
 briar::DetectionOptions, 848  
 briar::DetectReply, 869  
 briar::DetectRequest, 886  
 briar::Empty, 898  
 briar::EnhanceOptions, 910  
 briar::EnhanceReply, 924  
 briar::EnhanceRequest, 939  
 briar::EnrollCustomRequest, 955  
 briar::EnrollmentInfo, 973  
 briar::EnrollOptions, 994  
 briar::EnrollReply, 1016  
 briar::EnrollRequest, 1039  
 briar::ExtractOptions, 1061  
 briar::ExtractReply, 1078  
 briar::ExtractRequest, 1095  
 briar::FloatOption, 1107  
 briar::FrameMetadata, 1118  
 briar::IntOption, 1127  
 briar::MediaMetadata, 1150  
 briar::Record, 1167  
 briar::Record\_MediaPreviewsEntry\_DoNotUse, 1184  
 briar::Record\_SubjectPreviewsEntry\_DoNotUse, 1188  
 briar::RecordList, 1197  
 briar::SearchDatabaseReply, 1209  
 briar::SearchDatabaseRequest, 1224  
 briar::SearchMatchInfo, 1243  
 briar::SearchMatchList, 1261  
 briar::SearchOptions, 1276  
 briar::SearchReply, 1299  
 briar::SearchRequest, 1317  
 briar::StatusReply, 1335  
 briar::StatusRequest, 1347  
 briar::StringOption, 1356  
 briar::Template, 1371  
 briar::TemplateData, 1386  
 briar::TemplateIds, 1404  
 briar::TemplateImageInput, 1415  
 briar::TemplateList, 1426  
 briar::TemplateListGroup, 1436  
 briar::TrackingOptions, 1449  
 briar::Tracklet, 1465  
 briar::TrackReply, 1480  
 briar::TrackRequest, 1495  
 briar::VerifyDatabaseReply, 1513  
 briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse, 1521  
 briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse, 1525  
 briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse, 1530  
 briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse, 1534

briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoneStatusReply, 1335  
    1539  
briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoneStatusReply, 197  
    1543  
briar::VerifyDatabaseRequest, 1555  
briar::VerifyMatchInfo, 1575  
briar::VerifyMatchList, 1593  
briar::VerifyOptions, 1605  
briar::VerifyReply, 1621  
briar::VerifyRequest, 1639  
metadata  
    briar::BriarMedia, 306  
    briar::EnhanceRequest, 939  
    briar::Template, 1371, 1372  
    briar::TemplateData, 1386  
metadata\_size  
    briar::BriarMedia, 306  
    briar::EnhanceRequest, 940  
    briar::Template, 1372  
    briar::TemplateData, 1387  
minor  
    briar::APIVersion, 137  
MJPG  
    briar::BriarMedia, 317  
modalities  
    briar::BriarDatabaseInfo, 197  
modalities\_size  
    briar::BriarDatabaseInfo, 197  
modality  
    briar::Detection, 828  
    briar::DetectionOptions, 849  
    briar::DetectReply, 869  
    briar::EnhanceOptions, 910  
    briar::EnrollOptions, 994  
    briar::ExtractOptions, 1061  
    briar::ExtractReply, 1078  
    briar::Record, 1167  
    briar::SearchOptions, 1276  
    briar::Template, 1372  
    briar::TemplateData, 1387  
    briar::TrackingOptions, 1449  
    briar::TrackReply, 1480  
    briar::VerifyOptions, 1605  
MONO16  
    briar::BriarMedia, 318  
MONO8  
    briar::BriarMedia, 318  
MP4  
    briar::BriarMedia, 318  
mutable\_algorithm  
    briar::Record, 1168  
    briar::Template, 1372  
mutable\_algorithm\_id  
    briar::DetectionOptions, 849  
    briar::EnhanceOptions, 910  
    briar::ExtractOptions, 1061  
    briar::TrackingOptions, 1449  
mutable\_api\_version  
    briar::Detection, 828, 829  
    briar::DetectionOptions, 849  
    briar::EnhanceOptions, 910  
    briar::EnrollmentInfo, 973  
    briar::EnrollOptions, 994  
    briar::ExtractOptions, 1061  
    briar::FrameMetadata, 1118  
    briar::MediaMetadata, 1151  
    briar::Record, 1168  
    briar::TrackingOptions, 1449  
    briar::Tracklet, 1465  
mutable\_base\_port  
    briar::BriarServiceConfigurationReply, 360  
mutable\_best  
    briar::DetectionOptions, 849  
mutable\_body  
    briar::SearchMatchInfo, 1243  
    briar::VerifyMatchInfo, 1575  
mutable\_body\_min\_height  
    briar::DetectionOptions, 849  
mutable\_body\_threshold  
    briar::DetectionOptions, 849  
mutable\_buffer  
    briar::Attribute, 152  
    briar::Template, 1372  
mutable\_client\_duration\_file\_level  
    briar::BriarDurations, 224  
mutable\_client\_duration\_frame\_level  
    briar::BriarDurations, 224  
mutable\_cluster\_confidences  
    briar::ClusterReply, 414  
mutable\_cluster\_ids  
    briar::ClusterReply, 414, 415  
mutable\_column\_attributes  
    briar::BriarMatrix, 282  
mutable\_column\_headers  
    briar::BriarMatrix, 282  
mutable\_column\_headers\_integer  
    briar::BriarMatrix, 283  
mutable\_column\_sources  
    briar::BriarMatrix, 283  
mutable\_configuration  
    briar::StatusReply, 1335  
mutable\_data  
    briar::BriarMedia, 306  
    briar::BriarVector, 381  
    briar::Template, 1372  
mutable\_database  
    briar::ClusterRequest, 427  
    briar::DatabaseCheckpointRequest, 452  
    briar::DatabaseCheckpointSubjectRequest, 466  
    briar::DatabaseCreateRequest, 492  
    briar::DatabaseDeleteRequest, 518  
    briar::DatabaseFinalizeRequest, 541  
    briar::DatabaseHasEntryRequest, 563

briar::DatabaseInsertRequest, 613  
 briar::DatabaseLoadRequest, 688  
 briar::DatabaseRemoveTmplsRequest, 761  
 briar::DatabaseRenameRequest, 785  
 briar::DatabaseRetrieveRequest, 812  
 briar::EnrollCustomRequest, 955  
 briar::EnrollRequest, 1039  
 briar::SearchDatabaseRequest, 1224  
 briar::SearchRequest, 1318  
**mutable\_database\_id**  
     briar::EnrollmentInfo, 973  
     briar::Record, 1168  
**mutable\_database\_list**  
     briar::DatabaseMergeRequest, 712  
**mutable\_database\_name**  
     briar::DatabaseInfoRequest, 587  
     briar::DatabaseListEntriesRequest, 641  
**mutable\_database\_names**  
     briar::DatabaseListReply, 652, 653  
**mutable\_database\_new**  
     briar::DatabaseRenameRequest, 785  
**mutable\_datetime**  
     briar::BriarMedia, 306  
**mutable\_debug**  
     briar::DetectionOptions, 850  
     briar::EnrollOptions, 994  
     briar::ExtractOptions, 1062  
     briar::VerifyOptions, 1605  
**mutable\_description**  
     briar::Attribute, 153  
     briar::BriarMedia, 307  
     briar::TemplateData, 1387  
**mutable\_detect\_batch**  
     briar::DetectionOptions, 850  
**mutable\_detect\_options**  
     briar::DetectRequest, 886  
     briar::EnrollCustomRequest, 955  
     briar::EnrollRequest, 1039  
     briar::ExtractRequest, 1095  
     briar::SearchRequest, 1318  
     briar::TrackRequest, 1495  
     briar::VerifyRequest, 1639  
**mutable\_detect\_reply**  
     briar::EnrollReply, 1016  
     briar::ExtractReply, 1078  
     briar::SearchReply, 1299  
     briar::VerifyReply, 1621  
**mutable\_detection**  
     briar::Record, 1168  
**mutable\_detection\_class**  
     briar::Detection, 829  
**mutable\_detections**  
     briar::DetectReply, 870  
     briar::EnrollReply, 1016, 1017  
     briar::EnrollRequest, 1039  
     briar::ExtractRequest, 1095  
     briar::SearchRequest, 1318  
     briar::TemplateImageInput, 1415  
     briar::Tracklet, 1465, 1466  
     briar::VerifyRequest, 1640  
**mutable\_dev\_short**  
     briar::StatusReply, 1335  
**mutable\_developer\_name**  
     briar::StatusReply, 1336  
**mutable\_duration**  
     briar::DatabaseInfoReply, 575  
**mutable\_durations**  
     briar::ClusterReply, 415  
     briar::ClusterRequest, 427  
     briar::DatabaseCheckpointReply, 439  
     briar::DatabaseCheckpointRequest, 452  
     briar::DatabaseCheckpointSubjectRequest, 466  
     briar::DatabaseCreateReply, 480  
     briar::DatabaseCreateRequest, 493  
     briar::DatabaseDeleteReply, 506  
     briar::DatabaseDeleteRequest, 518  
     briar::DatabaseFinalizeReply, 529  
     briar::DatabaseInfoRequest, 587  
     briar::DatabaseInsertReply, 599  
     briar::DatabaseInsertRequest, 613  
     briar::DatabaseListentriesReply, 628  
     briar::DatabaseListEntriesRequest, 641  
     briar::DatabaseLoadReply, 675  
     briar::DatabaseLoadRequest, 688  
     briar::DatabaseMergeReply, 700  
     briar::DatabaseMergeRequest, 713  
     briar::DatabaseRemoveTmplsReply, 749  
     briar::DatabaseRemoveTmplsRequest, 761  
     briar::DatabaseRenameReply, 773  
     briar::DatabaseRetrieveReply, 798  
     briar::DatabaseRetrieveRequest, 812  
     briar::DetectReply, 870  
     briar::DetectRequest, 886  
     briar::EnhanceReply, 924  
     briar::EnhanceRequest, 940  
     briar::EnrollCustomRequest, 956  
     briar::EnrollReply, 1017  
     briar::EnrollRequest, 1039  
     briar::ExtractReply, 1078  
     briar::ExtractRequest, 1095  
     briar::SearchDatabaseReply, 1209  
     briar::SearchDatabaseRequest, 1224  
     briar::SearchReply, 1299  
     briar::SearchRequest, 1318  
     briar::TrackReply, 1480  
     briar::TrackRequest, 1496  
     briar::VerifyDatabaseRequest, 1556  
     briar::VerifyReply, 1622  
     briar::VerifyRequest, 1640  
**mutable\_durations\_list**  
     briar::BriarDurationsList, 244  
**mutable\_enable\_metadata**  
     briar::DetectionOptions, 850  
**mutable\_enhance\_batch**  
     briar::EnhanceOptions, 910  
**mutable\_enhance\_options**

briar::EnhanceRequest, 940  
mutable\_enroll\_batch  
    briar::EnrollOptions, 994  
mutable\_enroll\_options  
    briar::EnrollCustomRequest, 956  
    briar::EnrollRequest, 1039  
mutable\_enrollments  
    briar::EnrollReply, 1017  
mutable\_entry\_attributes  
    briar::DatabaseListentriesReply, 628, 629  
mutable\_entry\_id  
    briar::DatabaseHasEntryRequest, 563  
    briar::DatabaseMoveEntryRequest, 736  
    briar::Record, 1168  
mutable\_entry\_id\_gallery  
    briar::SearchMatchInfo, 1243  
mutable\_entry\_id\_probe  
    briar::SearchMatchInfo, 1243  
mutable\_entry\_id\_reference  
    briar::VerifyMatchInfo, 1575  
mutable\_entry\_id\_verification  
    briar::VerifyMatchInfo, 1575  
mutable\_entry\_ids  
    briar::BriarDatabaseInfo, 198  
    briar::DatabaseListentriesReply, 629  
mutable\_entry\_name  
    briar::DetectRequest, 886  
mutable\_entry\_sizes  
    briar::BriarDatabaseInfo, 198  
mutable\_error\_message  
    briar::BriarErrorMessage, 254  
mutable\_errors  
    briar::BriarErrors, 265  
    briar::ClusterReply, 415  
    briar::DatabaseCheckpointReply, 439  
    briar::DatabaseCheckpointRequest, 452  
    briar::DatabaseCheckpointSubjectRequest, 466  
    briar::DatabaseCreateReply, 480  
    briar::DatabaseDeleteReply, 506  
    briar::DatabaseFinalizeReply, 530  
    briar::DatabaseInsertReply, 599  
    briar::DatabaseLoadReply, 675  
    briar::DatabaseRemoveTmplsReply, 749  
    briar::DatabaseRenameReply, 774  
    briar::DatabaseRetrieveReply, 798  
    briar::DetectReply, 870  
    briar::EnhanceReply, 924  
    briar::EnrollReply, 1017  
    briar::ExtractReply, 1078  
    briar::SearchDatabaseReply, 1210  
    briar::SearchReply, 1299  
    briar::TrackReply, 1480  
    briar::VerifyDatabaseReply, 1513  
    briar::VerifyReply, 1622  
mutable\_exists  
    briar::DatabaseMergeReply, 700  
mutable\_extract\_batch  
    briar::ExtractOptions, 1062  
mutable\_extract\_options  
    briar::EnrollCustomRequest, 956  
    briar::EnrollRequest, 1040  
    briar::ExtractRequest, 1096  
    briar::SearchRequest, 1318  
    briar::VerifyRequest, 1640  
mutable\_extract\_reply  
    briar::EnrollReply, 1017  
    briar::SearchReply, 1299  
    briar::VerifyReply, 1622  
mutable\_face  
    briar::SearchMatchInfo, 1243  
    briar::VerifyMatchInfo, 1575  
mutable\_face\_min\_height  
    briar::DetectionOptions, 850  
mutable\_face\_threshold  
    briar::DetectionOptions, 850  
mutable\_frame\_ids  
    briar::TrackReply, 1481  
mutable\_frame\_metadata  
    briar::MediaMetadata, 1151  
mutable\_from\_database  
    briar::DatabaseMoveEntryRequest, 736  
mutable\_full  
    briar::SearchOptions, 1276  
mutable\_gate  
    briar::SearchMatchInfo, 1243  
    briar::VerifyMatchInfo, 1575  
mutable\_group  
    briar::TemplateListGroup, 1436  
mutable\_grpc\_inbound\_transfer\_duration  
    briar::BriarDurations, 225  
mutable\_grpc\_outbound\_transfer\_duration  
    briar::BriarDurations, 225  
mutable\_id  
    briar::Template, 1372  
mutable\_ids  
    briar::ClusterIds, 401  
    briar::DatabaseCreateReply, 480  
    briar::DatabaseInsertReply, 599  
    briar::DatabaseInsertRequest, 613  
    briar::DatabaseLoadReply, 675  
    briar::DatabaseRemoveTmplsRequest, 761  
    briar::DatabaseRetrieveRequest, 812  
    briar::TemplateIds, 1404  
mutable\_im  
    briar::TemplateImageInput, 1416  
mutable\_info  
    briar::DatabaseInfoReply, 575  
mutable\_json  
    briar::Attribute, 153  
mutable\_key  
    briar::Attribute, 153  
    briar::TemplateData, 1387  
mutable\_location  
    briar::Detection, 829  
mutable\_mask  
    briar::Detection, 829

**mutable\_match\_list**  
 briar::SearchMatchList, 1261  
 briar::VerifyMatchList, 1593  
**mutable\_match\_matrix**  
 briar::VerifyDatabaseReply, 1513  
**mutable\_matrix**  
 briar::Attribute, 153  
**mutable\_matrix\_gallery\_attributes**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_matrix\_gallery\_detections**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_matrix\_gallery\_tracklets**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_matrix\_probe\_attributes**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_matrix\_probe\_detections**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_matrix\_probe\_tracklets**  
 briar::VerifyDatabaseReply, 1514  
**mutable\_max\_results**  
 briar::SearchOptions, 1276  
**mutable\_media**  
 briar::Attribute, 153  
 briar::Detection, 829  
 briar::DetectRequest, 887  
 briar::EnhanceReply, 925  
 briar::EnhanceRequest, 940  
 briar::EnrollRequest, 1040  
 briar::ExtractRequest, 1096  
 briar::SearchRequest, 1318  
 briar::TrackRequest, 1496  
 briar::VerifyRequest, 1640  
**mutable\_media\_id**  
 briar::DetectRequest, 887  
 briar::EnrollmentInfo, 973  
 briar::EnrollOptions, 994  
 briar::EnrollRequest, 1040  
 briar::Record, 1168  
 briar::SearchMatchInfo, 1243  
 briar::VerifyMatchInfo, 1575  
**mutable\_media\_previews**  
 briar::Record, 1169  
**mutable\_metadata**  
 briar::BriarMedia, 307  
 briar::EnhanceRequest, 940  
 briar::Template, 1373  
 briar::TemplateData, 1387  
**mutable\_modalities**  
 briar::BriarDatabaseInfo, 198  
**mutable\_name**  
 briar::BriarDatabase, 181  
 briar::BriarDatabaseInfo, 198  
 briar::EnrollmentInfo, 973  
 briar::Record, 1169  
**mutable\_notes**  
 briar::Record, 1169  
**mutable\_options**  
 briar::EnhanceRequest, 940, 941  
**briar::Tracklet**, 1466  
**mutable\_out\_dir**  
 briar::SearchOptions, 1276  
**mutable\_output\_database**  
 briar::DatabaseMergeRequest, 713  
**mutable\_output\_type**  
 briar::SearchOptions, 1276  
**mutable\_parts**  
 briar::Template, 1373  
**mutable\_pickle**  
 briar::Attribute, 153  
**mutable\_point**  
 briar::Attribute, 153  
**mutable\_port\_list**  
 briar::BriarServiceConfigurationReply, 360  
**mutable\_probe\_database**  
 briar::SearchDatabaseRequest, 1224  
 briar::SearchOptions, 1277  
**mutable\_probe\_detections**  
 briar::SearchReply, 1299  
**mutable\_probe\_entry\_ids**  
 briar::SearchDatabaseRequest, 1225  
 briar::VerifyDatabaseRequest, 1556  
**mutable\_probes**  
 briar::SearchRequest, 1319  
**mutable\_progress**  
 briar::ClusterReply, 415  
 briar::DatabaseHasEntryReply, 552  
 briar::DatabaseMoveEntryReply, 724  
 briar::DetectReply, 870  
 briar::EnhanceReply, 925  
 briar::EnrollReply, 1017  
 briar::ExtractReply, 1078  
 briar::SearchDatabaseReply, 1210  
 briar::SearchReply, 1300  
 briar::TrackReply, 1481  
 briar::VerifyDatabaseReply, 1514  
**mutable\_record**  
 briar::EnrollRequest, 1040  
**mutable\_records**  
 briar::DatabaseLoadReply, 675  
 briar::DatabaseRetrieveReply, 798  
 briar::RecordList, 1197, 1198  
**mutable\_rect**  
 briar::Attribute, 153  
**mutable\_reference\_database**  
 briar::VerifyDatabaseRequest, 1556  
**mutable\_reference\_media**  
 briar::DetectReply, 870  
**mutable\_reference\_tmpls**  
 briar::VerifyRequest, 1640  
**mutable\_regex**  
 briar::DatabaseListRequest, 663  
**mutable\_return\_matrix**  
 briar::SearchOptions, 1277  
**mutable\_return\_media**  
 briar::DetectionOptions, 850  
 briar::EnhanceOptions, 910

briar::EnrollOptions, 995  
briar::ExtractOptions, 1062  
briar::SearchOptions, 1277  
briar::TrackingOptions, 1449  
briar::VerifyOptions, 1605  
mutable\_row\_attributes  
    briar::BriarMatrix, 283  
mutable\_row\_headers  
    briar::BriarMatrix, 283  
mutable\_row\_headers\_integer  
    briar::BriarMatrix, 284  
mutable\_row\_sources  
    briar::BriarMatrix, 284  
mutable\_rows  
    briar::BriarMatrix, 284  
mutable\_save\_metadata  
    briar::EnrollOptions, 995  
mutable\_search\_batch  
    briar::SearchOptions, 1277  
mutable\_search\_database  
    briar::SearchOptions, 1277  
mutable\_search\_options  
    briar::SearchDatabaseRequest, 1225  
    briar::SearchRequest, 1319  
mutable\_search\_threshold  
    briar::SearchOptions, 1277  
mutable\_serverside\_source  
    briar::BriarMedia, 307  
mutable\_service\_duration  
    briar::BriarDurations, 225  
mutable\_service\_name  
    briar::StatusReply, 1336  
mutable\_sigset\_encoded  
    briar::EnrollCustomRequest, 956  
mutable\_sigset\_name  
    briar::EnrollCustomRequest, 956  
mutable\_similarities  
    briar::SearchDatabaseReply, 1210  
    briar::SearchReply, 1300  
    briar::VerifyReply, 1622  
mutable\_source  
    briar::BriarMedia, 307  
    briar::EnrollmentInfo, 974  
    briar::Record, 1169  
mutable\_source\_id  
    briar::Record, 1169  
    briar::TemplateData, 1387  
mutable\_store\_media  
    briar::EnrollOptions, 995  
mutable\_sub\_durations  
    briar::BriarDurations, 225  
mutable\_subject\_id  
    briar::DatabaseCheckpointSubjectRequest, 466  
    briar::DetectRequest, 887  
    briar::EnrollmentInfo, 974  
    briar::Record, 1169  
    briar::TrackRequest, 1496  
mutable\_subject\_id\_gallery  
    briar::EnrollRequest, 1041  
    briar::SearchMatchInfo, 1244  
    mutable\_subject\_id\_integer  
        briar::EnrollOptions, 995  
    mutable\_subject\_id\_probe  
        briar::SearchMatchInfo, 1244  
    mutable\_subject\_id\_reference  
        briar::VerifyMatchInfo, 1576  
    mutable\_subject\_id\_verify  
        briar::VerifyMatchInfo, 1576  
    mutable\_subject\_ids  
        briar::EnrollOptions, 995  
        briar::EnrollRequest, 1040  
    mutable\_subject\_name  
        briar::SearchMatchInfo, 1244  
        briar::TrackRequest, 1496  
        briar::VerifyMatchInfo, 1576  
    mutable\_subject\_previews  
        briar::Record, 1170  
    mutable\_submodality  
        briar::TemplateData, 1388  
    mutable\_template\_  
        briar::EnrollRequest, 1040  
    mutable\_templates  
        briar::DatabaseRetrieveReply, 798  
        briar::ExtractReply, 1078, 1079  
        briar::Record, 1170  
    mutable\_templates\_per\_entry  
        briar::BriarDatabaseInfo, 198  
    mutable\_text  
        briar::Attribute, 154  
    mutable\_threshold  
        briar::TrackingOptions, 1450  
    mutable\_tmpls  
        briar::DatabaseCreateRequest, 493  
        briar::DatabaseInsertRequest, 613  
        briar::TemplateList, 1426  
    mutable\_to\_database  
        briar::DatabaseMoveEntryRequest, 736  
    mutable\_total\_duration  
        briar::BriarDurations, 225  
    mutable\_track\_reply  
        briar::EnrollReply, 1018  
        briar::ExtractReply, 1079  
    mutable\_tracking\_batch  
        briar::TrackingOptions, 1450  
    mutable\_tracking\_disable  
        briar::TrackingOptions, 1450  
    mutable\_tracking\_options  
        briar::DetectionOptions, 850  
    mutable\_tracklet\_class  
        briar::Tracklet, 1466  
    mutable\_tracklet\_id  
        briar::TemplateData, 1388  
    mutable\_tracklets  
        briar::Record, 1170  
        briar::TrackReply, 1481  
    mutable\_tracks  
        briar::EnrollRequest, 1041

mutable\_use\_detections  
     briar::SearchOptions, 1277  
     briar::VerifyOptions, 1605

mutable\_use\_subject\_integer\_id  
     briar::EnrollOptions, 995

mutable\_use\_templates  
     briar::SearchOptions, 1277  
     briar::VerifyOptions, 1605

mutable\_use\_whole\_image  
     briar::VerifyOptions, 1606

mutable\_value  
     briar::StringOption, 1356

mutable\_vector  
     briar::Attribute, 154

mutable\_verify\_database  
     briar::VerifyDatabaseRequest, 1556

mutable\_verify\_options  
     briar::VerifyDatabaseRequest, 1556  
     briar::VerifyRequest, 1640

mutable\_version  
     briar::StatusReply, 1336

mutable\_xml  
     briar::Attribute, 154

name  
     briar::BriarDatabase, 181  
     briar::BriarDatabaseInfo, 198  
     briar::EnrollmentInfo, 974  
     briar::Record, 1170

New  
     briar::APIVersion, 137  
     briar::Attribute, 154  
     briar::BoolOption, 172  
     briar::BriarDatabase, 182  
     briar::BriarDatabaseInfo, 199  
     briar::BriarDuration, 212  
     briar::BriarDurations, 225  
     briar::BriarDurationsList, 244  
     briar::BriarErrorMessage, 254  
     briar::BriarErrors, 265  
     briar::BriarMatrix, 284  
     briar::BriarMedia, 307  
     briar::BriarPoint2D, 327  
     briar::BriarProgress, 338  
     briar::BriarRect, 348  
     briar::BriarServiceConfigurationReply, 361  
     briar::BriarServiceConfigurationRequest, 371  
     briar::BriarVector, 381  
     briar::ClusterConfidence, 390  
     briar::ClusterIds, 401  
     briar::ClusterReply, 415  
     briar::ClusterRequest, 427  
     briar::DatabaseCheckpointReply, 439  
     briar::DatabaseCheckpointRequest, 453  
     briar::DatabaseCheckpointSubjectRequest, 466  
     briar::DatabaseCreateReply, 480  
     briar::DatabaseCreateRequest, 493  
     briar::DatabaseDeleteReply, 506  
     briar::DatabaseDeleteRequest, 518

briar::DatabaseFinalizeReply, 530  
     briar::DatabaseFinalizeRequest, 541  
     briar::DatabaseHasEntryReply, 552  
     briar::DatabaseHasEntryRequest, 563  
     briar::DatabaseInfoReply, 575  
     briar::DatabaseInfoRequest, 587  
     briar::DatabaseInsertReply, 600  
     briar::DatabaseInsertRequest, 613  
     briar::DatabaseListEntriesReply, 629  
     briar::DatabaseListEntriesRequest, 641  
     briar::DatabaseListReply, 653  
     briar::DatabaseListRequest, 663  
     briar::DatabaseLoadReply, 676  
     briar::DatabaseLoadRequest, 688  
     briar::DatabaseMergeReply, 701  
     briar::DatabaseMergeRequest, 713  
     briar::DatabaseMoveEntryReply, 724  
     briar::DatabaseMoveEntryRequest, 736  
     briar::DatabaseRemoveTmplsReply, 749  
     briar::DatabaseRemoveTmplsRequest, 761  
     briar::DatabaseRenameReply, 774  
     briar::DatabaseRenameRequest, 785  
     briar::DatabaseRetrieveReply, 798  
     briar::DatabaseRetrieveRequest, 812  
     briar::Detection, 829  
     briar::DetectionOptions, 850  
     briar::DetectReply, 870  
     briar::DetectRequest, 887  
     briar::Empty, 898  
     briar::EnhanceOptions, 911  
     briar::EnhanceReply, 925  
     briar::EnhanceRequest, 941  
     briar::EnrollCustomRequest, 956  
     briar::EnrollmentInfo, 974  
     briar::EnrollOptions, 996  
     briar::EnrollReply, 1018  
     briar::EnrollRequest, 1041  
     briar::ExtractOptions, 1062  
     briar::ExtractReply, 1079  
     briar::ExtractRequest, 1096  
     briar::FloatOption, 1107  
     briar::FrameMetadata, 1118  
     briar::IntOption, 1127  
     briar::MediaMetadata, 1151  
     briar::Record, 1170  
     briar::RecordList, 1198  
     briar::SearchDatabaseReply, 1210  
     briar::SearchDatabaseRequest, 1225  
     briar::SearchMatchInfo, 1244  
     briar::SearchMatchList, 1261  
     briar::SearchOptions, 1278  
     briar::SearchReply, 1300  
     briar::SearchRequest, 1319  
     briar::StatusReply, 1336  
     briar::StatusRequest, 1347  
     briar::StringOption, 1357  
     briar::Template, 1373  
     briar::TemplateData, 1388

briar::TemplateIds, 1404  
briar::TemplateImageInput, 1416  
briar::TemplateList, 1426  
briar::TemplateListGroup, 1436  
briar::TrackingOptions, 1450  
briar::Tracklet, 1466  
briar::TrackReply, 1481  
briar::TrackRequest, 1496  
briar::VerifyDatabaseReply, 1515  
briar::VerifyDatabaseRequest, 1556  
briar::VerifyMatchInfo, 1576  
briar::VerifyMatchList, 1593  
briar::VerifyOptions, 1606  
briar::VerifyReply, 1622  
briar::VerifyRequest, 1641

notes  
    briar::Record, 1170

number\_of\_processes\_per\_port  
    briar::BriarServiceConfigurationReply, 361

number\_of\_service\_ports  
    briar::BriarServiceConfigurationReply, 361

number\_of\_threads\_per\_process  
    briar::BriarServiceConfigurationReply, 361

offsets  
    TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_2eprotos, 1361  
    TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5ferror\_2eprotos, 1362  
    TableStruct\_briar\_2fbriar\_5fgRPC\_2fbriar\_5fservice\_2eprotos, 1362

operator=

    briar::APIVersion, 137  
    briar::Attribute, 154  
    briar::BoolOption, 172  
    briar::BriarDatabase, 182  
    briar::BriarDatabaseInfo, 199  
    briar::BriarDuration, 212  
    briar::BriarDurations, 225, 226  
    briar::BriarDurationsList, 244  
    briar::BriarErrorMessage, 254  
    briar::BriarErrors, 265  
    briar::BriarMatrix, 284, 285  
    briar::BriarMedia, 307, 308  
    briar::BriarPoint2D, 328  
    briar::BriarProgress, 338  
    briar::BriarRect, 348  
    briar::BriarServiceConfigurationReply, 361  
    briar::BriarServiceConfigurationRequest, 371  
    briar::BriarVector, 381  
    briar::ClusterConfidence, 390, 391  
    briar::ClusterIds, 401, 402  
    briar::ClusterReply, 415  
    briar::ClusterRequest, 427, 428  
    briar::DatabaseCheckpointReply, 439, 440  
    briar::DatabaseCheckpointRequest, 453  
    briar::DatabaseCheckpointSubjectRequest, 466  
    briar::DatabaseCreateReply, 480  
    briar::DatabaseCreateRequest, 493

    briar::DatabaseDeleteReply, 506  
    briar::DatabaseDeleteRequest, 518  
    briar::DatabaseFinalizeReply, 530  
    briar::DatabaseFinalizeRequest, 541  
    briar::DatabaseHasEntryReply, 552  
    briar::DatabaseHasEntryRequest, 563, 564  
    briar::DatabaseInfoReply, 575, 576  
    briar::DatabaseInfoRequest, 587  
    briar::DatabaseInsertReply, 600  
    briar::DatabaseInsertRequest, 613, 614  
    briar::DatabaseListEntriesReply, 629  
    briar::DatabaseListEntriesRequest, 641  
    briar::DatabaseListReply, 653  
    briar::DatabaseListRequest, 663  
    briar::DatabaseLoadReply, 676  
    briar::DatabaseLoadRequest, 688, 689  
    briar::DatabaseMergeReply, 701  
    briar::DatabaseMergeRequest, 713  
    briar::DatabaseMoveEntryReply, 724  
    briar::DatabaseMoveEntryRequest, 736  
    briar::DatabaseRemoveTmplsReply, 749  
    briar::DatabaseRemoveTmplsRequest, 761  
    briar::DatabaseRenameReply, 774  
    briar::DatabaseRenameRequest, 785, 786  
    briar::DatabaseRetrieveReply, 798  
    briar::DatabaseRetrieveRequest, 812  
    briar::Detection, 829, 830  
    briar::DetectionOptions, 851  
    briar::DetectReply, 871  
    briar::DetectRequest, 887  
    briar::Empty, 898  
    briar::EnhanceOptions, 911  
    briar::EnhanceReply, 925  
    briar::EnhanceRequest, 941  
    briar::EnrollCustomRequest, 956, 957  
    briar::EnrollmentInfo, 974  
    briar::EnrollOptions, 996  
    briar::EnrollReply, 1018  
    briar::EnrollRequest, 1041  
    briar::ExtractOptions, 1062  
    briar::ExtractReply, 1079  
    briar::ExtractRequest, 1096  
    briar::FloatOption, 1108  
    briar::FrameMetadata, 1118  
    briar::IntOption, 1128  
    briar::MediaMetadata, 1151  
    briar::Record, 1170, 1171  
    briar::RecordList, 1198  
    briar::SearchDatabaseReply, 1210  
    briar::SearchDatabaseRequest, 1225  
    briar::SearchMatchInfo, 1244  
    briar::SearchMatchList, 1261  
    briar::SearchOptions, 1278  
    briar::SearchReply, 1300  
    briar::SearchRequest, 1319  
    briar::StatusReply, 1336  
    briar::StatusRequest, 1347  
    briar::StringOption, 1357

briar::Template, 1373  
 briar::TemplateData, 1388  
 briar::TemplateIds, 1404  
 briar::TemplateImageInput, 1416  
 briar::TemplateList, 1426  
 briar::TemplateListGroup, 1437  
 briar::TrackingOptions, 1450  
 briar::Tracklet, 1466  
 briar::TrackReply, 1481  
 briar::TrackRequest, 1496  
 briar::VerifyDatabaseReply, 1515  
 briar::VerifyDatabaseRequest, 1557  
 briar::VerifyMatchInfo, 1576  
 briar::VerifyMatchList, 1593  
 briar::VerifyOptions, 1606  
 briar::VerifyReply, 1622  
 briar::VerifyRequest, 1641  
 options  
   briar::EnhanceRequest, 941  
   briar::Tracklet, 1466  
   briar::Tracklet::\_Internal, 122  
 options\_size  
   briar::EnhanceRequest, 941  
 OTHER  
   briar, 35  
 out\_dir  
   briar::SearchOptions, 1278  
   briar::SearchOptions::\_Internal, 115  
 output\_database  
   briar::DatabaseMergeRequest, 713  
   briar::DatabaseMergeRequest::\_Internal, 88  
 output\_type  
   briar::SearchOptions, 1278  
   briar::SearchOptions::\_Internal, 115  
 override\_default  
   briar::BoolOption, 172  
   briar::FloatOption, 1108  
   briar::IntOption, 1128  
   briar::StringOption, 1357  
 PALM  
   briar, 35  
 parts  
   briar::Template, 1374  
 parts\_size  
   briar::Template, 1374  
 patch  
   briar::APIVersion, 137  
 PICKLE  
   briar, 35  
 pickle  
   briar::Attribute, 154  
 PNG  
   briar::BriarMedia, 318  
 POINT  
   briar, 35  
 point  
   briar::Attribute, 155  
   briar::Attribute::\_Internal, 69  
 port\_list  
   briar::BriarServiceConfigurationReply, 361, 362  
 port\_list\_size  
   briar::BriarServiceConfigurationReply, 362  
 probe\_database  
   briar::SearchDatabaseRequest, 1225  
   briar::SearchDatabaseRequest::\_Internal, 112  
   briar::SearchOptions, 1278  
   briar::SearchOptions::\_Internal, 115  
 probe\_detections  
   briar::SearchReply, 1300, 1301  
 probe\_detections\_size  
   briar::SearchReply, 1301  
 probe\_entry\_ids  
   briar::SearchDatabaseRequest, 1226  
   briar::VerifyDatabaseRequest, 1557  
 probe\_entry\_ids\_size  
   briar::SearchDatabaseRequest, 1226  
   briar::VerifyDatabaseRequest, 1557  
 probes  
   briar::SearchRequest, 1319  
   briar::SearchRequest::\_Internal, 118  
 progress  
   briar::ClusterReply, 416  
   briar::ClusterReply::\_Internal, 75  
   briar::DatabaseHasEntryReply, 552  
   briar::DatabaseHasEntryReply::\_Internal, 82  
   briar::DatabaseMoveEntryReply, 724  
   briar::DatabaseMoveEntryReply::\_Internal, 89  
   briar::DetectReply, 871  
   briar::DetectReply::\_Internal, 97  
   briar::EnhanceReply, 925  
   briar::EnhanceReply::\_Internal, 100  
   briar::EnrollReply, 1018  
   briar::EnrollReply::\_Internal, 105  
   briar::ExtractReply, 1079  
   briar::ExtractReply::\_Internal, 109  
   briar::SearchDatabaseReply, 1211  
   briar::SearchDatabaseReply::\_Internal, 112  
   briar::SearchReply, 1301  
   briar::SearchReply::\_Internal, 117  
   briar::TrackReply, 1482  
   briar::TrackReply::\_Internal, 123  
   briar::VerifyDatabaseReply, 1515  
   briar::VerifyDatabaseReply::\_Internal, 125  
 progress\_only\_reply  
   briar::DetectReply, 871  
   briar::EnhanceReply, 925  
   briar::EnrollReply, 1018  
   briar::ExtractReply, 1079  
   briar::SearchReply, 1301  
   briar::TrackReply, 1482  
   briar::VerifyReply, 1623  
 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_2proto  
   briar.pb.h, 1679  
 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2  
   briar\_error.pb.h, 1693  
 PROTOBUF\_INTERNAL\_EXPORT\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice

briar\_service.pb.h, 1727  
PROTOBUF\_SECTION\_VARIABLE  
briar.pb.cc, 1672  
briar\_error.pb.cc, 1691  
briar\_service.pb.cc, 1722

RAW  
    briar::BriarMedia, 318

READY  
    briar, 37

Record  
    briar::Record, 1160

record  
    briar::EnrollRequest, 1041  
    briar::EnrollRequest::\_Internal, 106

Record\_MediaPreviewsEntry\_DoNotUse  
    briar::Record\_MediaPreviewsEntry\_DoNotUse,  
        1183

Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal  
    briar::Record\_MediaPreviewsEntry\_DoNotUseDefaultTypeInternal,  
        1185

Record\_SubjectPreviewsEntry\_DoNotUse  
    briar::Record\_SubjectPreviewsEntry\_DoNotUse,  
        1187

Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternal  
    briar::Record\_SubjectPreviewsEntry\_DoNotUseDefaultTypeInternal,  
        1189

RecordDefaultTypeInternal  
    briar::RecordDefaultTypeInternal, 1191

RecordList  
    briar::RecordList, 1194, 1195

RecordListDefaultTypeInternal  
    briar::RecordListDefaultTypeInternal, 1201

records  
    briar::DatabaseLoadReply, 676  
    briar::DatabaseLoadReply::\_Internal, 87  
    briar::DatabaseRetrieveReply, 799  
    briar::DatabaseRetrieveReply::\_Internal, 93  
    briar::RecordList, 1198

records\_size  
    briar::RecordList, 1198

RECT  
    briar, 35

rect  
    briar::Attribute, 155  
    briar::Attribute::\_Internal, 70

reference  
    briar::VerifyRequest, 1647

reference\_database  
    briar::VerifyDatabaseRequest, 1557  
    briar::VerifyDatabaseRequest::\_Internal, 125

reference\_media  
    briar::DetectReply, 871  
    briar::DetectReply::\_Internal, 97

reference\_tmpls  
    briar::VerifyRequest, 1641  
    briar::VerifyRequest::\_Internal, 130

regex  
    briar::DatabaseListRequest, 663

release\_algorithm  
    briar::Record, 1171  
    briar::Template, 1374

release\_algorithm\_id  
    briar::DetectionOptions, 851  
    briar::EnhanceOptions, 911  
    briar::ExtractOptions, 1062  
    briar::TrackingOptions, 1450

release\_api\_version  
    briar::StatusReply, 1336

release\_base\_port  
    briar::BriarServiceConfigurationReply, 362

release\_best  
    briar::DetectionOptions, 851

release\_body  
    briar::SearchMatchInfo, 1244  
    briar::VerifyMatchInfo, 1576

release\_body\_min\_height  
    briar::DetectionOptions, 851

release\_body\_threshold  
    briar::DetectionOptions, 851

release\_buffer  
    briar::Attribute, 155  
    briar::Template, 1374

release\_client\_duration\_file\_level  
    briar::BriarDurations, 226

release\_client\_duration\_frame\_level  
    briar::BriarDurations, 226

release\_data  
    briar::BriarMedia, 308  
    briar::Template, 1374

release\_database  
    briar::ClusterRequest, 428  
    briar::DatabaseCheckpointRequest, 453  
    briar::DatabaseCheckpointSubjectRequest, 467  
    briar::DatabaseCreateRequest, 493  
    briar::DatabaseDeleteRequest, 518  
    briar::DatabaseFinalizeRequest, 541  
    briar::DatabaseHasEntryRequest, 564  
    briar::DatabaseInsertRequest, 614  
    briar::DatabaseLoadRequest, 689  
    briar::DatabaseRemoveTmplsRequest, 761  
    briar::DatabaseRenameRequest, 786  
    briar::DatabaseRetrieveRequest, 812  
    briar::EnrollCustomRequest, 957  
    briar::EnrollRequest, 1041  
    briar::SearchDatabaseRequest, 1226  
    briar::SearchRequest, 1319

release\_database\_id  
    briar::EnrollmentInfo, 974  
    briar::Record, 1171

release\_database\_name  
    briar::DatabaseInfoRequest, 587  
    briar::DatabaseListEntriesRequest, 641

release\_database\_new  
    briar::DatabaseRenameRequest, 786

release\_datetime  
    briar::BriarMedia, 308

**release\_debug**  
 briar::DetectionOptions, 851  
 briar::EnrollOptions, 996  
 briar::ExtractOptions, 1063  
 briar::VerifyOptions, 1606  
**release\_description**  
 briar::Attribute, 155  
 briar::BriarMedia, 308  
 briar::TemplateData, 1388  
**release\_detect\_batch**  
 briar::DetectionOptions, 852  
**release\_detect\_options**  
 briar::DetectRequest, 887  
 briar::EnrollCustomRequest, 957  
 briar::EnrollRequest, 1042  
 briar::ExtractRequest, 1096  
 briar::SearchRequest, 1320  
 briar::TrackRequest, 1497  
 briar::VerifyRequest, 1641  
**release\_detect\_reply**  
 briar::EnrollReply, 1018  
 briar::ExtractReply, 1080  
 briar::SearchReply, 1301  
 briar::VerifyReply, 1623  
**release\_detection**  
 briar::Record, 1171  
**release\_detection\_class**  
 briar::Detection, 830  
**release\_dev\_short**  
 briar::StatusReply, 1337  
**release\_developer\_name**  
 briar::StatusReply, 1337  
**release\_duration**  
 briar::DatabaseInfoReply, 576  
**release\_durations**  
 briar::ClusterReply, 416  
 briar::ClusterRequest, 428  
 briar::DatabaseCheckpointReply, 440  
 briar::DatabaseCheckpointRequest, 453  
 briar::DatabaseCheckpointSubjectRequest, 467  
 briar::DatabaseCreateReply, 480  
 briar::DatabaseCreateRequest, 493  
 briar::DatabaseDeleteReply, 506  
 briar::DatabaseDeleteRequest, 519  
 briar::DatabaseFinalizeReply, 530  
 briar::DatabaseInfoRequest, 587  
 briar::DatabaseInsertReply, 600  
 briar::DatabaseInsertRequest, 614  
 briar::DatabaseListentriesReply, 629  
 briar::DatabaseListEntriesRequest, 641  
 briar::DatabaseLoadReply, 676  
 briar::DatabaseLoadRequest, 689  
 briar::DatabaseMergeReply, 701  
 briar::DatabaseMergeRequest, 713  
 briar::DatabaseRemoveTmplsReply, 749  
 briar::DatabaseRemoveTmplsRequest, 762  
 briar::DatabaseRenameReply, 774  
 briar::DatabaseRetrieveReply, 799  
**briar::DatabaseRetrieveRequest**, 813  
**briar::DetectReply**, 871  
**briar::DetectRequest**, 888  
**briar::EnhanceReply**, 926  
**briar::EnhanceRequest**, 942  
**briar::EnrollCustomRequest**, 957  
**briar::EnrollReply**, 1019  
**briar::EnrollRequest**, 1042  
**briar::ExtractReply**, 1080  
**briar::ExtractRequest**, 1096  
**briar::SearchDatabaseRequest**, 1226  
**briar::SearchReply**, 1301  
**briar::SearchRequest**, 1320  
**briar::TrackReply**, 1482  
**briar::TrackRequest**, 1497  
**briar::VerifyDatabaseRequest**, 1557  
**briar::VerifyReply**, 1623  
**briar::VerifyRequest**, 1641  
**release\_enable\_metadata**  
 briar::DetectionOptions, 852  
**release\_enhance\_batch**  
 briar::EnhanceOptions, 911  
**release\_enhance\_options**  
 briar::EnhanceRequest, 942  
**release\_enroll\_batch**  
 briar::EnrollOptions, 996  
**release\_enroll\_options**  
 briar::EnrollCustomRequest, 957  
 briar::EnrollRequest, 1042  
**release\_entry\_id**  
 briar::DatabaseHasEntryRequest, 564  
 briar::DatabaseMoveEntryRequest, 737  
 briar::Record, 1171  
**release\_entry\_id\_gallery**  
 briar::SearchMatchInfo, 1245  
**release\_entry\_id\_probe**  
 briar::SearchMatchInfo, 1245  
**release\_entry\_id\_reference**  
 briar::VerifyMatchInfo, 1577  
**release\_entry\_id\_verification**  
 briar::VerifyMatchInfo, 1577  
**release\_entry\_name**  
 briar::DetectRequest, 888  
**release\_error\_message**  
 briar::BriarErrorMessage, 254  
**release\_errors**  
 briar::ClusterReply, 416  
 briar::DatabaseCheckpointReply, 440  
 briar::DatabaseCheckpointRequest, 453  
 briar::DatabaseCheckpointSubjectRequest, 467  
 briar::DatabaseCreateReply, 481  
 briar::DatabaseDeleteReply, 507  
 briar::DatabaseFinalizeReply, 530  
 briar::DatabaseInsertReply, 600  
 briar::DatabaseLoadReply, 676  
 briar::DatabaseRemoveTmplsReply, 750  
 briar::DatabaseRenameReply, 774  
 briar::DatabaseRetrieveReply, 799

briar::DetectReply, 871  
briar::EnhanceReply, 926  
briar::EnrollReply, 1019  
briar::ExtractReply, 1080  
briar::SearchDatabaseReply, 1211  
briar::SearchReply, 1301  
briar::TrackReply, 1482  
briar::VerifyDatabaseReply, 1515  
briar::VerifyReply, 1623  
release\_extract\_batch  
    briar::ExtractOptions, 1063  
release\_extract\_options  
    briar::EnrollCustomRequest, 957  
    briar::EnrollRequest, 1042  
    briar::ExtractRequest, 1097  
    briar::SearchRequest, 1320  
    briar::VerifyRequest, 1641  
release\_extract\_reply  
    briar::EnrollReply, 1019  
    briar::SearchReply, 1302  
    briar::VerifyReply, 1623  
release\_face  
    briar::SearchMatchInfo, 1245  
    briar::VerifyMatchInfo, 1577  
release\_face\_min\_height  
    briar::DetectionOptions, 852  
release\_face\_threshold  
    briar::DetectionOptions, 852  
release\_from\_database  
    briar::DatabaseMoveEntryRequest, 737  
release\_full  
    briar::SearchOptions, 1278  
release\_gate  
    briar::SearchMatchInfo, 1245  
    briar::VerifyMatchInfo, 1577  
release\_grpc\_inbound\_transfer\_duration  
    briar::BriarDurations, 226  
release\_grpc\_outbound\_transfer\_duration  
    briar::BriarDurations, 226  
release\_id  
    briar::Template, 1374  
release\_ids  
    briar::DatabaseCreateReply, 481  
    briar::DatabaseInsertReply, 600  
    briar::DatabaseInsertRequest, 614  
    briar::DatabaseLoadReply, 676  
    briar::DatabaseRemoveTmplsRequest, 762  
    briar::DatabaseRetrieveRequest, 813  
release\_im  
    briar::TemplateImageInput, 1416  
release\_info  
    briar::DatabaseInfoReply, 576  
release\_json  
    briar::Attribute, 155  
release\_key  
    briar::Attribute, 155  
    briar::TemplateData, 1388  
release\_location

briar::Detection, 830  
release\_mask  
    briar::Detection, 830  
release\_match\_matrix  
    briar::VerifyDatabaseReply, 1515  
release\_matrix  
    briar::Attribute, 155  
release\_max\_results  
    briar::SearchOptions, 1279  
release\_media  
    briar::Attribute, 155  
    briar::Detection, 830  
    briar::DetectRequest, 888  
    briar::EnhanceReply, 926  
    briar::EnhanceRequest, 942  
    briar::EnrollRequest, 1042  
    briar::ExtractRequest, 1097  
    briar::SearchRequest, 1320  
    briar::TrackRequest, 1497  
    briar::VerifyRequest, 1642  
release\_media\_id  
    briar::DetectRequest, 888  
    briar::EnrollmentInfo, 975  
    briar::EnrollOptions, 996  
    briar::EnrollRequest, 1042  
    briar::Record, 1171  
    briar::SearchMatchInfo, 1245  
    briar::VerifyMatchInfo, 1577  
release\_name  
    briar::BriarDatabase, 182  
    briar::BriarDatabaseInfo, 199  
    briar::EnrollmentInfo, 975  
    briar::Record, 1171  
release\_notes  
    briar::Record, 1172  
release\_options  
    briar::Tracklet, 1467  
release\_out\_dir  
    briar::SearchOptions, 1279  
release\_output\_database  
    briar::DatabaseMergeRequest, 714  
release\_output\_type  
    briar::SearchOptions, 1279  
release\_pickle  
    briar::Attribute, 156  
release\_point  
    briar::Attribute, 156  
release\_probe\_database  
    briar::SearchDatabaseRequest, 1226  
    briar::SearchOptions, 1279  
release\_probes  
    briar::SearchRequest, 1320  
release\_progress  
    briar::ClusterReply, 416  
    briar::DatabaseHasEntryReply, 552  
    briar::DatabaseMoveEntryReply, 724  
    briar::DetectReply, 872  
    briar::EnhanceReply, 926

briar::EnrollReply, 1019  
briar::ExtractReply, 1080  
briar::SearchDatabaseReply, 1211  
briar::SearchReply, 1302  
briar::TrackReply, 1482  
briar::VerifyDatabaseReply, 1515  
release\_record  
    briar::EnrollRequest, 1042  
release\_records  
    briar::DatabaseLoadReply, 677  
    briar::DatabaseRetrieveReply, 799  
release\_rect  
    briar::Attribute, 156  
release\_reference\_database  
    briar::VerifyDatabaseRequest, 1558  
release\_reference\_media  
    briar::DetectReply, 872  
release\_reference\_tmpls  
    briar::VerifyRequest, 1642  
release\_regex  
    briar::DatabaseListRequest, 663  
release\_return\_matrix  
    briar::SearchOptions, 1279  
release\_return\_media  
    briar::DetectionOptions, 852  
    briar::EnhanceOptions, 911  
    briar::EnrollOptions, 996  
    briar::ExtractOptions, 1063  
    briar::SearchOptions, 1279  
    briar::TrackingOptions, 1451  
    briar::VerifyOptions, 1606  
release\_save\_metadata  
    briar::EnrollOptions, 997  
release\_search\_batch  
    briar::SearchOptions, 1279  
release\_search\_database  
    briar::SearchOptions, 1279  
release\_search\_options  
    briar::SearchDatabaseRequest, 1226  
    briar::SearchRequest, 1320  
release\_search\_threshold  
    briar::SearchOptions, 1280  
release\_serverside\_source  
    briar::BriarMedia, 308  
release\_service\_duration  
    briar::BriarDurations, 226  
release\_service\_name  
    briar::StatusReply, 1337  
release\_sigset\_encoded  
    briar::EnrollCustomRequest, 957  
release\_sigset\_name  
    briar::EnrollCustomRequest, 958  
release\_similarities  
    briar::VerifyReply, 1623  
release\_source  
    briar::BriarMedia, 308  
    briar::EnrollmentInfo, 975  
    briar::Record, 1172  
release\_source\_id  
    briar::TemplateData, 1389  
release\_store\_media  
    briar::EnrollOptions, 997  
release\_subject\_id  
    briar::DatabaseCheckpointSubjectRequest, 467  
    briar::DetectRequest, 888  
    briar::EnrollmentInfo, 975  
    briar::Record, 1172  
    briar::TrackRequest, 1497  
release\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1245  
release\_subject\_id\_integer  
    briar::EnrollOptions, 997  
release\_subject\_id\_probe  
    briar::SearchMatchInfo, 1245  
release\_subject\_id\_reference  
    briar::VerifyMatchInfo, 1577  
release\_subject\_id\_verify  
    briar::VerifyMatchInfo, 1577  
release\_subject\_name  
    briar::SearchMatchInfo, 1245  
    briar::TrackRequest, 1497  
    briar::VerifyMatchInfo, 1577  
release\_submodality  
    briar::TemplateData, 1389  
release\_template\_  
    briar::EnrollRequest, 1042  
release\_templates  
    briar::DatabaseRetrieveReply, 799  
    briar::Record, 1172  
release\_text  
    briar::Attribute, 156  
release\_threshold  
    briar::TrackingOptions, 1451  
release\_tmpls  
    briar::DatabaseCreateRequest, 494  
    briar::DatabaseInsertRequest, 614  
release\_to\_database  
    briar::DatabaseMoveEntryRequest, 737  
release\_total\_duration  
    briar::BriarDurations, 226  
release\_track\_reply  
    briar::EnrollReply, 1019  
    briar::ExtractReply, 1080  
release\_tracking\_batch  
    briar::TrackingOptions, 1451  
release\_tracking\_disable  
    briar::TrackingOptions, 1451  
release\_tracking\_options  
    briar::DetectionOptions, 852  
release\_tracklet\_class  
    briar::Tracklet, 1467  
release\_tracklet\_id  
    briar::TemplateData, 1389  
release\_tracklets  
    briar::Record, 1172  
release\_use\_detections

briar::SearchOptions, 1280  
briar::VerifyOptions, 1606  
release\_use\_subject\_integer\_id  
    briar::EnrollOptions, 997  
release\_use\_templates  
    briar::SearchOptions, 1280  
    briar::VerifyOptions, 1607  
release\_use\_whole\_image  
    briar::VerifyOptions, 1607  
release\_value  
    briar::StringOption, 1357  
release\_vector  
    briar::Attribute, 156  
release\_verify\_database  
    briar::VerifyDatabaseRequest, 1558  
release\_verify\_options  
    briar::VerifyDatabaseRequest, 1558  
    briar::VerifyRequest, 1642  
release\_version  
    briar::StatusReply, 1337  
release\_xml  
    briar::Attribute, 156  
reporting\_process\_number  
    briar::BriarServiceConfigurationReply, 362  
return\_matrix  
    briar::SearchOptions, 1280  
    briar::SearchOptions::\_\_Internal, 115  
return\_media  
    briar::DetectionOptions, 852  
    briar::DetectionOptions::\_\_Internal, 96  
    briar::EnhanceOptions, 911  
    briar::EnhanceOptions::\_\_Internal, 99  
    briar::EnrollOptions, 997  
    briar::EnrollOptions::\_\_Internal, 103  
    briar::ExtractOptions, 1063  
    briar::ExtractOptions::\_\_Internal, 108  
    briar::SearchOptions, 1280  
    briar::SearchOptions::\_\_Internal, 115  
    briar::TrackingOptions, 1451  
    briar::TrackingOptions::\_\_Internal, 122  
    briar::VerifyOptions, 1607  
    briar::VerifyOptions::\_\_Internal, 127  
RGB16  
    briar::BriarMedia, 319  
RGB8  
    briar::BriarMedia, 319  
RGBA16  
    briar::BriarMedia, 319  
RGBA8  
    briar::BriarMedia, 319  
role  
    briar::VerifyRequest, 1642  
row\_attributes  
    briar::BriarMatrix, 285  
row\_attributes\_size  
    briar::BriarMatrix, 285  
row\_headers  
    briar::BriarMatrix, 285  
row\_headers\_integer  
    briar::BriarMatrix, 285, 286  
row\_headers\_integer\_size  
    briar::BriarMatrix, 286  
row\_headers\_size  
    briar::BriarMatrix, 286  
row\_sources  
    briar::BriarMatrix, 286  
row\_sources\_size  
    briar::BriarMatrix, 286  
rows  
    briar::BriarMatrix, 286, 287  
rows\_size  
    briar::BriarMatrix, 287  
save\_metadata  
    briar::EnrollOptions, 997  
    briar::EnrollOptions::\_\_Internal, 103  
score  
    briar::SearchMatchInfo, 1246  
    briar::VerifyMatchInfo, 1578  
SEARCH\_AUTO\_DETECTION  
    briar, 39  
search\_batch  
    briar::SearchOptions, 1280  
    briar::SearchOptions::\_\_Internal, 115  
search\_database  
    briar::SearchOptions, 1280  
    briar::SearchOptions::\_\_Internal, 115  
SEARCH\_FULL\_IMAGE  
    briar, 39  
search\_options  
    briar::SearchDatabaseRequest, 1227  
    briar::SearchDatabaseRequest::\_\_Internal, 113  
    briar::SearchRequest, 1320  
    briar::SearchRequest::\_\_Internal, 118  
SEARCH\_PROVIDED\_DETECTIONS  
    briar, 39  
SEARCH\_PROVIDED\_TEMPLATES  
    briar, 39  
search\_threshold  
    briar::SearchOptions, 1280  
    briar::SearchOptions::\_\_Internal, 116  
SearchDatabaseReply  
    briar::SearchDatabaseReply, 1204, 1205  
SearchDatabaseReplyDefaultTypeInternal  
    briar::SearchDatabaseReplyDefaultTypeInternal, 1215  
SearchDatabaseRequest  
    briar::SearchDatabaseRequest, 1219  
SearchDatabaseRequestDefaultTypeInternal  
    briar::SearchDatabaseRequestDefaultTypeInternal, 1231  
SearchFlags  
    briar, 39  
SearchFlags\_ARRAYSIZE  
    briar, 66  
SearchFlags\_descriptor  
    briar, 45

SearchFlags\_INT\_MAX\_SENTINEL\_DO\_NOT\_USE\_briar, 39  
 SearchFlags\_INT\_MIN\_SENTINEL\_DO\_NOT\_USE\_briar, 39  
 SearchFlags\_IsValid\_briar, 46  
 SearchFlags\_MAX\_briar, 66  
 SearchFlags\_MIN\_briar, 66  
 SearchFlags\_Name\_briar, 46  
 SearchFlags\_Parse\_briar, 46  
 SearchMatchInfo\_briar::SearchMatchInfo, 1236, 1237  
 SearchMatchInfoDefaultTypeInternal\_briar::SearchMatchInfoDefaultTypeInternal, 1254  
 SearchMatchList\_briar::SearchMatchList, 1257, 1258  
 SearchMatchListDefaultTypeInternal\_briar::SearchMatchListDefaultTypeInternal, 1264  
 SearchOptions\_briar::SearchOptions, 1269, 1270  
 SearchOptionsDefaultTypeInternal\_briar::SearchOptionsDefaultTypeInternal, 1289  
 SearchReply\_briar::SearchReply, 1293, 1294  
 SearchReplyDefaultTypeInternal\_briar::SearchReplyDefaultTypeInternal, 1307  
 SearchRequest\_briar::SearchRequest, 1311, 1312  
 SearchRequestDefaultTypeInternal\_briar::SearchRequestDefaultTypeInternal, 1326  
 segment\_id\_briar::BriarMedia, 308  
 segment\_total\_briar::BriarMedia, 309  
 serverside\_source\_briar::BriarMedia, 309  
 service\_duration\_briar::BriarDurations, 227  
     briar::BriarDurations::\_Internal, 72  
 service\_name\_briar::StatusReply, 1337  
 set\_algorithm\_briar::Record, 1172  
     briar::Template, 1375  
 set\_allocated\_algorithm\_briar::Record, 1173  
     briar::Template, 1375  
 set\_allocated\_algorithm\_id\_briar::DetectionOptions, 852  
     briar::EnhanceOptions, 912  
     briar::ExtractOptions, 1063  
     briar::TrackingOptions, 1451  
 set\_allocated\_api\_version\_briar::StatusReply, 1337  
 set\_allocated\_base\_port\_briar::BriarServiceConfigurationReply, 362  
 set\_allocated\_best\_briar::DetectionOptions, 853  
 set\_allocated\_body\_briar::SearchMatchInfo, 1246  
     briar::VerifyMatchInfo, 1578  
 set\_allocated\_body\_min\_height\_briar::DetectionOptions, 853  
 set\_allocated\_body\_threshold\_briar::DetectionOptions, 853  
 set\_allocated\_buffer\_briar::Attribute, 156  
     briar::Template, 1375  
 set\_allocated\_client\_duration\_file\_level\_briar::BriarDurations, 227  
 set\_allocated\_client\_duration\_frame\_level\_briar::BriarDurations, 227  
 set\_allocated\_data\_briar::BriarMedia, 309  
     briar::Template, 1375  
 set\_allocated\_database\_briar::ClusterRequest, 428  
     briar::DatabaseCheckpointRequest, 453  
     briar::DatabaseCheckpointSubjectRequest, 467  
     briar::DatabaseCreateRequest, 494  
     briar::DatabaseDeleteRequest, 519  
     briar::DatabaseFinalizeRequest, 541  
     briar::DatabaseHasEntryRequest, 564  
     briar::DatabaseInsertRequest, 614  
     briar::DatabaseLoadRequest, 689  
     briar::DatabaseRemoveTmplsRequest, 762  
     briar::DatabaseRenameRequest, 786  
     briar::DatabaseRetrieveRequest, 813  
     briar::EnrollCustomRequest, 958  
     briar::EnrollRequest, 1043  
     briar::SearchDatabaseRequest, 1227  
     briar::SearchRequest, 1320  
 set\_allocated\_database\_id\_briar::EnrollmentInfo, 975  
     briar::Record, 1173  
 set\_allocated\_database\_name\_briar::DatabaseInfoRequest, 588  
     briar::DatabaseListEntriesRequest, 642  
 set\_allocated\_database\_new\_briar::DatabaseRenameRequest, 786  
 set\_allocated\_datetime\_briar::BriarMedia, 309  
 set\_allocated\_debug\_briar::DetectionOptions, 853  
     briar::EnrollOptions, 997  
     briar::ExtractOptions, 1063  
     briar::VerifyOptions, 1607  
 set\_allocated\_description\_briar::Attribute, 156  
     briar::BriarMedia, 309  
     briar::TemplateData, 1389  
 set\_allocated\_detect\_batch

briar::DetectionOptions, 853  
set\_allocated\_detect\_options  
    briar::DetectRequest, 888  
    briar::EnrollCustomRequest, 958  
    briar::EnrollRequest, 1043  
    briar::ExtractRequest, 1097  
    briar::SearchRequest, 1321  
    briar::TrackRequest, 1497  
    briar::VerifyRequest, 1642  
set\_allocated\_detect\_reply  
    briar::EnrollReply, 1019  
    briar::ExtractReply, 1080  
    briar::SearchReply, 1302  
    briar::VerifyReply, 1623  
set\_allocated\_detection  
    briar::Record, 1173  
set\_allocated\_detection\_class  
    briar::Detection, 830  
set\_allocated\_dev\_short  
    briar::StatusReply, 1337  
set\_allocated\_developer\_name  
    briar::StatusReply, 1338  
set\_allocated\_duration  
    briar::DatabaseInfoReply, 576  
set\_allocated\_durations  
    briar::ClusterReply, 416  
    briar::ClusterRequest, 428  
    briar::DatabaseCheckpointReply, 440  
    briar::DatabaseCheckpointRequest, 454  
    briar::DatabaseCheckpointSubjectRequest, 467  
    briar::DatabaseCreateReply, 481  
    briar::DatabaseCreateRequest, 494  
    briar::DatabaseDeleteReply, 507  
    briar::DatabaseDeleteRequest, 519  
    briar::DatabaseFinalizeReply, 530  
    briar::DatabaseInfoRequest, 588  
    briar::DatabaseInsertReply, 600  
    briar::DatabaseInsertRequest, 614  
    briar::DatabaseListentriesReply, 630  
    briar::DatabaseListEntriesRequest, 642  
    briar::DatabaseLoadReply, 677  
    briar::DatabaseLoadRequest, 689  
    briar::DatabaseMergeReply, 701  
    briar::DatabaseMergeRequest, 714  
    briar::DatabaseRemoveTmplsReply, 750  
    briar::DatabaseRemoveTmplsRequest, 762  
    briar::DatabaseRenameReply, 774  
    briar::DatabaseRetrieveReply, 799  
    briar::DatabaseRetrieveRequest, 813  
    briar::DetectReply, 872  
    briar::DetectRequest, 888  
    briar::EnhanceReply, 926  
    briar::EnhanceRequest, 942  
    briar::EnrollCustomRequest, 958  
    briar::EnrollReply, 1019  
    briar::EnrollRequest, 1043  
    briar::ExtractReply, 1080  
    briar::ExtractRequest, 1097  
briar::SearchDatabaseRequest, 1227  
briar::SearchReply, 1302  
briar::SearchRequest, 1321  
briar::TrackReply, 1482  
briar::TrackRequest, 1497  
briar::VerifyDatabaseRequest, 1558  
briar::VerifyReply, 1624  
briar::VerifyRequest, 1642  
set\_allocated\_enable\_metadata  
    briar::DetectionOptions, 853  
set\_allocated\_enhance\_batch  
    briar::EnhanceOptions, 912  
set\_allocated\_enhance\_options  
    briar::EnhanceRequest, 942  
set\_allocated\_enroll\_batch  
    briar::EnrollOptions, 997  
set\_allocated\_enroll\_options  
    briar::EnrollCustomRequest, 958  
    briar::EnrollRequest, 1043  
set\_allocated\_entry\_id  
    briar::DatabaseHasEntryRequest, 564  
    briar::DatabaseMoveEntryRequest, 737  
    briar::Record, 1173  
set\_allocated\_entry\_id\_gallery  
    briar::SearchMatchInfo, 1246  
set\_allocated\_entry\_id\_probe  
    briar::SearchMatchInfo, 1246  
set\_allocated\_entry\_id\_reference  
    briar::VerifyMatchInfo, 1578  
set\_allocated\_entry\_id\_verification  
    briar::VerifyMatchInfo, 1578  
set\_allocated\_entry\_name  
    briar::DetectRequest, 889  
set\_allocated\_error\_message  
    briar::BriarErrorMessage, 254  
set\_allocated\_errors  
    briar::ClusterReply, 416  
    briar::DatabaseCheckpointReply, 440  
    briar::DatabaseCheckpointRequest, 454  
    briar::DatabaseCheckpointSubjectRequest, 467  
    briar::DatabaseCreateReply, 481  
    briar::DatabaseDeleteReply, 507  
    briar::DatabaseFinalizeReply, 531  
    briar::DatabaseInsertReply, 601  
    briar::DatabaseLoadReply, 677  
    briar::DatabaseRemoveTmplsReply, 750  
    briar::DatabaseRenameReply, 775  
    briar::DatabaseRetrieveReply, 799  
    briar::DetectReply, 872  
    briar::EnhanceReply, 926  
    briar::EnrollReply, 1020  
    briar::ExtractReply, 1081  
    briar::SearchDatabaseReply, 1211  
    briar::SearchReply, 1302  
    briar::TrackReply, 1482  
    briar::VerifyDatabaseReply, 1516  
    briar::VerifyReply, 1624  
set\_allocated\_extract\_batch

briar::ExtractOptions, 1063  
set\_allocated\_extract\_options  
    briar::EnrollCustomRequest, 958  
    briar::EnrollRequest, 1043  
    briar::ExtractRequest, 1097  
    briar::SearchRequest, 1321  
    briar::VerifyRequest, 1642  
set\_allocated\_extract\_reply  
    briar::EnrollReply, 1020  
    briar::SearchReply, 1302  
    briar::VerifyReply, 1624  
set\_allocated\_face  
    briar::SearchMatchInfo, 1246  
    briar::VerifyMatchInfo, 1578  
set\_allocated\_face\_min\_height  
    briar::DetectionOptions, 853  
set\_allocated\_face\_threshold  
    briar::DetectionOptions, 854  
set\_allocated\_from\_database  
    briar::DatabaseMoveEntryRequest, 737  
set\_allocated\_full  
    briar::SearchOptions, 1281  
set\_allocated\_gate  
    briar::SearchMatchInfo, 1246  
    briar::VerifyMatchInfo, 1578  
set\_allocated\_grpc\_inbound\_transfer\_duration  
    briar::BriarDurations, 227  
set\_allocated\_grpc\_outbound\_transfer\_duration  
    briar::BriarDurations, 227  
set\_allocated\_id  
    briar::Template, 1375  
set\_allocated\_ids  
    briar::DatabaseCreateReply, 481  
    briar::DatabaseInsertReply, 601  
    briar::DatabaseInsertRequest, 615  
    briar::DatabaseLoadReply, 677  
    briar::DatabaseRemoveTmplsRequest, 762  
    briar::DatabaseRetrieveRequest, 813  
set\_allocated\_im  
    briar::TemplateImageInput, 1416  
set\_allocated\_info  
    briar::DatabaseInfoReply, 576  
set\_allocated\_json  
    briar::Attribute, 157  
set\_allocated\_key  
    briar::Attribute, 157  
    briar::TemplateData, 1389  
set\_allocated\_location  
    briar::Detection, 830  
set\_allocated\_mask  
    briar::Detection, 831  
set\_allocated\_match\_matrix  
    briar::VerifyDatabaseReply, 1516  
set\_allocated\_matrix  
    briar::Attribute, 157  
set\_allocated\_max\_results  
    briar::SearchOptions, 1281  
set\_allocated\_media  
    briar::Attribute, 157  
    briar::Detection, 831  
    briar::DetectRequest, 889  
    briar::EnhanceReply, 926  
    briar::EnhanceRequest, 942  
    briar::EnrollRequest, 1043  
    briar::ExtractRequest, 1097  
    briar::SearchRequest, 1321  
    briar::TrackRequest, 1498  
    briar::VerifyRequest, 1643  
set\_allocated\_media\_id  
    briar::DetectRequest, 889  
    briar::EnrollmentInfo, 975  
    briar::EnrollOptions, 998  
    briar::EnrollRequest, 1043  
    briar::Record, 1173  
    briar::SearchMatchInfo, 1246  
    briar::VerifyMatchInfo, 1578  
set\_allocated\_name  
    briar::BriarDatabase, 182  
    briar::BriarDatabaseInfo, 199  
    briar::EnrollmentInfo, 975  
    briar::Record, 1173  
set\_allocated\_notes  
    briar::Record, 1173  
set\_allocated\_options  
    briar::Tracklet, 1467  
set\_allocated\_out\_dir  
    briar::SearchOptions, 1281  
set\_allocated\_output\_database  
    briar::DatabaseMergeRequest, 714  
set\_allocated\_output\_type  
    briar::SearchOptions, 1281  
set\_allocated\_pickle  
    briar::Attribute, 157  
set\_allocated\_point  
    briar::Attribute, 157  
set\_allocated\_probe\_database  
    briar::SearchDatabaseRequest, 1227  
    briar::SearchOptions, 1281  
set\_allocated\_probes  
    briar::SearchRequest, 1321  
set\_allocated\_progress  
    briar::ClusterReply, 416  
    briar::DatabaseHasEntryReply, 553  
    briar::DatabaseMoveEntryReply, 724  
    briar::DetectReply, 872  
    briar::EnhanceReply, 927  
    briar::EnrollReply, 1020  
    briar::ExtractReply, 1081  
    briar::SearchDatabaseReply, 1211  
    briar::SearchReply, 1302  
    briar::TrackReply, 1483  
    briar::VerifyDatabaseReply, 1516  
set\_allocated\_record  
    briar::EnrollRequest, 1044  
set\_allocated\_records  
    briar::DatabaseLoadReply, 677

briar::DatabaseRetrieveReply, 800  
set\_allocated\_rect  
    briar::Attribute, 157  
set\_allocated\_reference\_database  
    briar::VerifyDatabaseRequest, 1558  
set\_allocated\_reference\_media  
    briar::DetectReply, 872  
set\_allocated\_reference\_tmpls  
    briar::VerifyRequest, 1643  
set\_allocated\_regex  
    briar::DatabaseListRequest, 664  
set\_allocated\_return\_matrix  
    briar::SearchOptions, 1281  
set\_allocated\_return\_media  
    briar::DetectionOptions, 854  
    briar::EnhanceOptions, 912  
    briar::EnrollOptions, 998  
    briar::ExtractOptions, 1064  
    briar::SearchOptions, 1281  
    briar::TrackingOptions, 1451  
    briar::VerifyOptions, 1607  
set\_allocated\_save\_metadata  
    briar::EnrollOptions, 998  
set\_allocated\_search\_batch  
    briar::SearchOptions, 1282  
set\_allocated\_search\_database  
    briar::SearchOptions, 1282  
set\_allocated\_search\_options  
    briar::SearchDatabaseRequest, 1227  
    briar::SearchRequest, 1321  
set\_allocated\_search\_threshold  
    briar::SearchOptions, 1282  
set\_allocated\_serverside\_source  
    briar::BriarMedia, 309  
set\_allocated\_service\_duration  
    briar::BriarDurations, 227  
set\_allocated\_service\_name  
    briar::StatusReply, 1338  
set\_allocated\_sigset\_encoded  
    briar::EnrollCustomRequest, 958  
set\_allocated\_sigset\_name  
    briar::EnrollCustomRequest, 959  
set\_allocated\_similarities  
    briar::VerifyReply, 1624  
set\_allocated\_source  
    briar::BriarMedia, 309  
    briar::EnrollmentInfo, 976  
    briar::Record, 1174  
set\_allocated\_source\_id  
    briar::TemplateData, 1389  
set\_allocated\_store\_media  
    briar::EnrollOptions, 998  
set\_allocated\_subject\_id  
    briar::DatabaseCheckpointSubjectRequest, 468  
    briar::DetectRequest, 889  
    briar::EnrollmentInfo, 976  
    briar::Record, 1174  
    briar::TrackRequest, 1498  
set\_allocated\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1247  
set\_allocated\_subject\_id\_integer  
    briar::EnrollOptions, 998  
set\_allocated\_subject\_id\_probe  
    briar::SearchMatchInfo, 1247  
set\_allocated\_subject\_id\_reference  
    briar::VerifyMatchInfo, 1579  
set\_allocated\_subject\_id\_verify  
    briar::VerifyMatchInfo, 1579  
set\_allocated\_subject\_name  
    briar::SearchMatchInfo, 1247  
    briar::TrackRequest, 1498  
    briar::VerifyMatchInfo, 1579  
set\_allocated\_submodality  
    briar::TemplateData, 1389  
set\_allocated\_template\_  
    briar::EnrollRequest, 1044  
set\_allocated\_templates  
    briar::DatabaseRetrieveReply, 800  
    briar::Record, 1174  
set\_allocated\_text  
    briar::Attribute, 158  
set\_allocated\_threshold  
    briar::TrackingOptions, 1452  
set\_allocated\_tmpls  
    briar::DatabaseCreateRequest, 494  
    briar::DatabaseInsertRequest, 615  
set\_allocated\_to\_database  
    briar::DatabaseMoveEntryRequest, 737  
set\_allocated\_total\_duration  
    briar::BriarDurations, 227  
set\_allocated\_track\_reply  
    briar::EnrollReply, 1020  
    briar::ExtractReply, 1081  
set\_allocated\_tracking\_batch  
    briar::TrackingOptions, 1452  
set\_allocated\_tracking\_disable  
    briar::TrackingOptions, 1452  
set\_allocated\_tracking\_options  
    briar::DetectionOptions, 854  
set\_allocated\_tracklet\_class  
    briar::Tracklet, 1467  
set\_allocated\_tracklet\_id  
    briar::TemplateData, 1390  
set\_allocated\_tracklets  
    briar::Record, 1174  
set\_allocated\_use\_detections  
    briar::SearchOptions, 1282  
    briar::VerifyOptions, 1607  
set\_allocated\_use\_subject\_integer\_id  
    briar::EnrollOptions, 998  
set\_allocated\_use\_templates  
    briar::SearchOptions, 1282  
    briar::VerifyOptions, 1607  
set\_allocated\_use\_whole\_image  
    briar::VerifyOptions, 1608  
set\_allocated\_value

briar::StringOption, 1357  
 set\_allocated\_vector  
     briar::Attribute, 158  
 set\_allocated\_verify\_database  
     briar::VerifyDatabaseRequest, 1558  
 set\_allocated\_verify\_options  
     briar::VerifyDatabaseRequest, 1558  
     briar::VerifyRequest, 1643  
 set\_allocated\_version  
     briar::StatusReply, 1338  
 set\_allocated\_xml  
     briar::Attribute, 158  
 set\_associated\_detection\_id  
     briar::Template, 1376  
 set\_associated\_tracklet\_id  
     briar::Template, 1376  
 set\_average\_entry\_size  
     briar::BriarDatabaseInfo, 199  
 set\_base\_port  
     briar::BriarServiceConfigurationReply, 362  
 set\_buffer  
     briar::Attribute, 158  
     briar::Template, 1376  
 set\_channels  
     briar::BriarMedia, 310  
 set\_column\_headers  
     briar::BriarMatrix, 287  
 set\_column\_headers\_integer  
     briar::BriarMatrix, 288  
 set\_column\_sources  
     briar::BriarMatrix, 288  
 set\_confidence  
     briar::Detection, 831  
 set\_confidences  
     briar::ClusterConfidence, 391  
 set\_cropped  
     briar::EnhanceOptions, 912  
 set\_currentstep  
     briar::BriarProgress, 338  
 set\_data  
     briar::BriarMedia, 310  
     briar::BriarVector, 381  
 set\_database\_id  
     briar::EnrollmentInfo, 976  
 set\_database\_name  
     briar::DatabaseInfoRequest, 588  
     briar::DatabaseListEntriesRequest, 642  
 set\_database\_names  
     briar::DatabaseListReply, 653, 654  
 set\_datetime  
     briar::BriarMedia, 310  
 set\_description  
     briar::Attribute, 158, 159  
     briar::BriarMedia, 310, 311  
     briar::TemplateData, 1390  
 set\_detection\_class  
     briar::Detection, 831  
 set\_detection\_id  
     briar::Detection, 831  
     briar::Detection, 831  
 set\_dev\_short  
     briar::StatusReply, 1338  
 set\_developer\_name  
     briar::StatusReply, 1338, 1339  
 set\_end  
     briar::BriarDuration, 212  
 set\_enroll\_flag  
     briar::EnrollOptions, 998  
     briar::EnrollRequest, 1044  
 set\_entry\_count  
     briar::BriarDatabaseInfo, 199  
     briar::DatabaseDeleteReply, 507  
     briar::DatabaseMergeReply, 701  
 set\_entry\_id  
     briar::DatabaseHasEntryRequest, 564  
     briar::DatabaseMoveEntryRequest, 737, 738  
     briar::Record, 1174  
 set\_entry\_id\_gallery  
     briar::SearchMatchInfo, 1247  
 set\_entry\_id\_probe  
     briar::SearchMatchInfo, 1247, 1248  
 set\_entry\_id\_reference  
     briar::VerifyMatchInfo, 1579  
 set\_entry\_id\_verification  
     briar::VerifyMatchInfo, 1579, 1580  
 set\_entry\_ids  
     briar::BriarDatabaseInfo, 200  
     briar::DatabaseListEntriesReply, 630  
 set\_entry\_name  
     briar::DetectRequest, 889  
 set\_entry\_sizes  
     briar::BriarDatabaseInfo, 200  
 set\_entry\_type  
     briar::DetectRequest, 890  
     briar::EnrollOptions, 999  
     briar::Record, 1175  
 set\_error\_code  
     briar::BriarErrorMessage, 255  
 set\_error\_message  
     briar::BriarErrorMessage, 255  
 set\_errors  
     briar::BriarErrors, 265  
 set\_exists  
     briar::DatabaseCheckpointReply, 440  
     briar::DatabaseDeleteReply, 507  
     briar::DatabaseFinalizeReply, 531  
     briar::DatabaseHasEntryReply, 553  
     briar::DatabaseInfoReply, 576  
     briar::DatabaseInsertReply, 601  
     briar::DatabaseListEntriesReply, 630  
     briar::DatabaseLoadReply, 677  
     briar::DatabaseMergeReply, 701  
     briar::DatabaseRenameReply, 775  
 set\_failed\_enrollment\_count  
     briar::BriarDatabaseInfo, 200  
 set\_flag  
     briar::ExtractOptions, 1064

briar::SearchOptions, 1282  
briar::VerifyOptions, 1608  
briar::VerifyRequest, 1643  
set\_frame  
    briar::Detection, 832  
    briar::DetectRequest, 890  
    briar::EnrollRequest, 1044  
set\_frame\_count  
    briar::BriarMedia, 311  
set\_frame\_end  
    briar::BriarMedia, 311  
set\_frame\_id  
    briar::DetectReply, 872  
    briar::EnhanceRequest, 942  
    briar::EnrollReply, 1020  
    briar::ExtractReply, 1081  
set\_frame\_ids  
    briar::TrackReply, 1483  
set\_frame\_number  
    briar::BriarMedia, 311  
set\_frame\_rate  
    briar::BriarMedia, 311  
set\_frame\_start  
    briar::BriarMedia, 311  
set\_fvalue  
    briar::Attribute, 159  
set\_height  
    briar::BriarMedia, 312  
    briar::BriarRect, 348  
set\_id  
    briar::Template, 1376  
set\_ids  
    briar::ClusterIds, 402  
    briar::TemplateIds, 1405  
set\_integer\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1248  
    briar::VerifyMatchInfo, 1580  
set\_is\_complete  
    briar::DatabaseHasEntryReply, 553  
set\_iscropped  
    briar::BriarMedia, 312  
set\_ivalue  
    briar::Attribute, 159  
set\_json  
    briar::Attribute, 159  
set\_key  
    briar::Attribute, 159, 160  
    briar::TemplateData, 1390  
set\_length  
    briar::BriarErrors, 265  
    briar::TemplateIds, 1405  
set\_major  
    briar::APIVersion, 137  
set\_media\_id  
    briar::DetectRequest, 890  
    briar::EnrollmentInfo, 976  
    briar::EnrollOptions, 999  
    briar::EnrollRequest, 1044  
briar::Record, 1175  
briar::SearchMatchInfo, 1248  
briar::VerifyMatchInfo, 1580  
set\_minor  
    briar::APIVersion, 138  
set\_modalities  
    briar::BriarDatabaseInfo, 201  
set\_modality  
    briar::Detection, 832  
    briar::DetectionOptions, 854  
    briar::DetectReply, 873  
    briar::EnhanceOptions, 912  
    briar::EnrollOptions, 999  
    briar::ExtractOptions, 1064  
    briar::ExtractReply, 1081  
    briar::Record, 1175  
    briar::SearchOptions, 1282  
    briar::Template, 1377  
    briar::TemplateData, 1390  
    briar::TrackingOptions, 1452  
    briar::TrackReply, 1483  
    briar::VerifyOptions, 1608  
set\_name  
    briar::BriarDatabase, 182  
    briar::BriarDatabaseInfo, 201  
    briar::EnrollmentInfo, 977  
    briar::Record, 1175  
set\_notes  
    briar::Record, 1176  
set\_number\_of\_processes\_per\_port  
    briar::BriarServiceConfigurationReply, 363  
set\_number\_of\_service\_ports  
    briar::BriarServiceConfigurationReply, 363  
set\_number\_of\_threads\_per\_process  
    briar::BriarServiceConfigurationReply, 363  
set\_override\_default  
    briar::BoolOption, 172  
    briar::FloatOption, 1108  
    briar::IntOption, 1128  
    briar::StringOption, 1357  
set\_patch  
    briar::APIVersion, 138  
set\_pickle  
    briar::Attribute, 160  
set\_port\_list  
    briar::BriarServiceConfigurationReply, 363, 364  
set\_probe\_entry\_ids  
    briar::SearchDatabaseRequest, 1227, 1228  
    briar::VerifyDatabaseRequest, 1559  
set\_progress\_only\_reply  
    briar::DetectReply, 873  
    briar::EnhanceReply, 927  
    briar::EnrollReply, 1020  
    briar::ExtractReply, 1081  
    briar::SearchReply, 1303  
    briar::TrackReply, 1483  
    briar::VerifyReply, 1624  
set\_regex

briar::DatabaseListRequest, 664  
**set\_reporting\_process\_number**  
 briar::BriarServiceConfigurationReply, 364  
**set\_role**  
 briar::VerifyRequest, 1643  
**set\_row\_headers**  
 briar::BriarMatrix, 288, 289  
**set\_row\_headers\_integer**  
 briar::BriarMatrix, 289  
**set\_row\_sources**  
 briar::BriarMatrix, 289, 290  
**set\_score**  
 briar::SearchMatchInfo, 1248  
 briar::VerifyMatchInfo, 1580  
**set\_segment\_id**  
 briar::BriarMedia, 312  
**set\_segment\_total**  
 briar::BriarMedia, 312  
**set\_serverside\_source**  
 briar::BriarMedia, 312  
**set\_service\_name**  
 briar::StatusReply, 1339  
**set\_should\_copy**  
 briar::DatabaseMoveEntryRequest, 738  
**set\_sigset\_encoded**  
 briar::EnrollCustomRequest, 959  
**set\_sigset\_name**  
 briar::EnrollCustomRequest, 959  
**set\_source**  
 briar::BriarMedia, 313  
 briar::EnrollmentInfo, 977  
 briar::Record, 1176  
**set\_source\_id**  
 briar::Record, 1176, 1177  
 briar::TemplateData, 1391  
**set\_source\_type**  
 briar::BriarMedia, 313  
**set\_start**  
 briar::BriarDuration, 212  
**set\_status**  
 briar::StatusReply, 1339  
**set\_subject\_id**  
 briar::DatabaseCheckpointSubjectRequest, 468  
 briar::DetectRequest, 890  
 briar::EnrollmentInfo, 977  
 briar::Record, 1177  
 briar::TrackRequest, 1498  
**set\_subject\_id\_gallery**  
 briar::SearchMatchInfo, 1248, 1249  
**set\_subject\_id\_integer**  
 briar::EnrollRequest, 1045  
**set\_subject\_id\_probe**  
 briar::SearchMatchInfo, 1249  
**set\_subject\_id\_reference**  
 briar::VerifyMatchInfo, 1580, 1581  
**set\_subject\_id\_verify**  
 briar::VerifyMatchInfo, 1581  
**set\_subject\_ids**  
 briar::EnrollOptions, 999, 1000  
 briar::EnrollRequest, 1045  
**set\_subject\_name**  
 briar::SearchMatchInfo, 1249  
 briar::TrackRequest, 1498, 1499  
 briar::VerifyMatchInfo, 1581  
**set\_submodality**  
 briar::TemplateData, 1391  
**set\_success**  
 briar::DatabaseMoveEntryReply, 725  
**set\_template\_count**  
 briar::BriarDatabaseInfo, 201  
**set\_templates**  
 briar::Record, 1177  
**set\_templates\_per\_entry**  
 briar::BriarDatabaseInfo, 201  
**set\_text**  
 briar::Attribute, 160  
**set\_theoretical\_max**  
 briar::SearchMatchInfo, 1249  
 briar::VerifyMatchInfo, 1581  
**set\_theoretical\_min**  
 briar::SearchMatchInfo, 1250  
 briar::VerifyMatchInfo, 1582  
**set\_total\_database\_size**  
 briar::BriarDatabaseInfo, 201  
**set\_totalsteps**  
 briar::BriarProgress, 338  
**set\_tracklet\_class**  
 briar::Tracklet, 1467  
**set\_tracklet\_id**  
 briar::Detection, 832  
 briar::TemplateData, 1391  
 briar::Tracklet, 1467  
**set\_tracklets**  
 briar::Record, 1178  
**set\_type**  
 briar::Attribute, 160  
 briar::BriarMedia, 313  
 briar::EnrollmentInfo, 978  
**set\_uses\_integer\_gallery\_id**  
 briar::VerifyMatchInfo, 1582  
**set\_uses\_integer\_subject\_id\_gallery**  
 briar::SearchMatchInfo, 1250  
 briar::VerifyDatabaseReply, 1516  
**set\_value**  
 briar::BoolOption, 172  
 briar::FloatOption, 1108  
 briar::IntOption, 1128  
 briar::StringOption, 1358  
**set\_width**  
 briar::BriarMedia, 313  
 briar::BriarRect, 348  
**set\_x**  
 briar::BriarPoint2D, 328  
 briar::BriarRect, 349  
**set\_xml**  
 briar::Attribute, 161

set\_y  
    briar::BriarPoint2D, 328  
    briar::BriarRect, 349  
should\_copy  
    briar::DatabaseMoveEntryRequest, 738  
sigset\_encoded  
    briar::EnrollCustomRequest, 959  
sigset\_name  
    briar::EnrollCustomRequest, 960  
similarities  
    briar::SearchDatabaseReply, 1211  
    briar::SearchReply, 1303  
    briar::VerifyReply, 1624  
    briar::VerifyReply::\_Internal, 129  
similarities\_size  
    briar::SearchDatabaseReply, 1212  
    briar::SearchReply, 1303  
SOFT BIOMETRICS  
    briar, 35  
source  
    briar::BriarMedia, 313  
    briar::EnrollmentInfo, 978  
    briar::Record, 1178  
source\_id  
    briar::Record, 1178  
    briar::TemplateData, 1392  
source\_id\_size  
    briar::Record, 1178  
SOURCE\_ONLY  
    briar::BriarMedia, 319  
source\_type  
    briar::BriarMedia, 314  
start  
    briar::BriarDuration, 212  
status  
    briar::StatusReply, 1339  
StatusReply  
    briar::StatusReply, 1330  
StatusReplyDefaultTypeInternal  
    briar::StatusReplyDefaultTypeInternal, 1343  
StatusRequest  
    briar::StatusRequest, 1345, 1346  
StatusRequestDefaultTypeInternal  
    briar::StatusRequestDefaultTypeInternal, 1350  
store\_media  
    briar::EnrollOptions, 1000  
    briar::EnrollOptions::\_Internal, 103  
STRING  
    briar, 35  
StringOption  
    briar::StringOption, 1353, 1354  
StringOptionDefaultTypeInternal  
    briar::StringOptionDefaultTypeInternal, 1360  
stubs\_readme.md, 1739  
sub\_durations  
    briar::BriarDurations, 228  
sub\_durations\_size  
    briar::BriarDurations, 228  
subject\_id  
    briar::DatabaseCheckpointSubjectRequest, 468  
    briar::DetectRequest, 891  
    briar::EnrollmentInfo, 978  
    briar::Record, 1179  
    briar::TrackRequest, 1499  
subject\_id\_gallery  
    briar::SearchMatchInfo, 1250  
subject\_id\_integer  
    briar::EnrollOptions, 1000  
    briar::EnrollOptions::\_Internal, 104  
    briar::EnrollRequest, 1045  
subject\_id\_probe  
    briar::SearchMatchInfo, 1250  
subject\_id\_reference  
    briar::VerifyMatchInfo, 1582  
subject\_id\_verify  
    briar::VerifyMatchInfo, 1582  
subject\_ids  
    briar::EnrollOptions, 1000  
    briar::EnrollRequest, 1046  
subject\_ids\_size  
    briar::EnrollOptions, 1000  
    briar::EnrollRequest, 1046  
subject\_name  
    briar::SearchMatchInfo, 1250  
    briar::TrackRequest, 1499  
    briar::VerifyMatchInfo, 1582  
subject\_previews  
    briar::Record, 1179  
subject\_previews\_size  
    briar::Record, 1179  
submodality  
    briar::TemplateData, 1392  
success  
    briar::DatabaseMoveEntryReply, 725  
SuperType  
    briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
        233  
    briar::Record\_MediaPreviewsEntry\_DoNotUse,  
        1183  
    briar::Record\_SubjectPreviewsEntry\_DoNotUse,  
        1187  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse,  
        1520  
    briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse,  
        1524  
    briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse,  
        1529  
    briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse,  
        1533  
    briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse,  
        1538  
    briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse,  
        1542  
Swap  
    briar::APIVersion, 138  
    briar::Attribute, 161

briar::BoolOption, 173  
 briar::BriarDatabase, 183  
 briar::BriarDatabaseInfo, 202  
 briar::BriarDuration, 212  
 briar::BriarDurations, 228  
 briar::BriarDurationsList, 245  
 briar::BriarErrorMessage, 255  
 briar::BriarErrors, 265  
 briar::BriarMatrix, 290  
 briar::BriarMedia, 314  
 briar::BriarPoint2D, 328  
 briar::BriarProgress, 338  
 briar::BriarRect, 349  
 briar::BriarServiceConfigurationReply, 364  
 briar::BriarServiceConfigurationRequest, 371  
 briar::BriarVector, 382  
 briar::ClusterConfidence, 391  
 briar::ClusterIds, 402  
 briar::ClusterReply, 417  
 briar::ClusterRequest, 428  
 briar::DatabaseCheckpointReply, 440  
 briar::DatabaseCheckpointRequest, 454  
 briar::DatabaseCheckpointSubjectRequest, 468  
 briar::DatabaseCreateReply, 481  
 briar::DatabaseCreateRequest, 494  
 briar::DatabaseDeleteReply, 507  
 briar::DatabaseDeleteRequest, 519  
 briar::DatabaseFinalizeReply, 531  
 briar::DatabaseFinalizeRequest, 541  
 briar::DatabaseHasEntryReply, 553  
 briar::DatabaseHasEntryRequest, 565  
 briar::DatabaseInfoReply, 576  
 briar::DatabaseInfoRequest, 588  
 briar::DatabaseInsertReply, 601  
 briar::DatabaseInsertRequest, 615  
 briar::DatabaseListEntriesReply, 631  
 briar::DatabaseListEntriesRequest, 642  
 briar::DatabaseListReply, 654  
 briar::DatabaseListRequest, 664  
 briar::DatabaseLoadReply, 677  
 briar::DatabaseLoadRequest, 689  
 briar::DatabaseMergeReply, 702  
 briar::DatabaseMergeRequest, 714  
 briar::DatabaseMoveEntryReply, 725  
 briar::DatabaseMoveEntryRequest, 738  
 briar::DatabaseRemoveTmplsReply, 750  
 briar::DatabaseRemoveTmplsRequest, 762  
 briar::DatabaseRenameReply, 775  
 briar::DatabaseRenameRequest, 786  
 briar::DatabaseRetrieveReply, 800  
 briar::DatabaseRetrieveRequest, 813  
 briar::Detection, 832  
 briar::DetectionOptions, 854  
 briar::DetectReply, 873  
 briar::DetectRequest, 891  
 briar::Empty, 899  
 briar::EnhanceOptions, 912  
 briar::EnhanceReply, 927  
 briar::EnhanceRequest, 943  
 briar::EnrollCustomRequest, 960  
 briar::EnrollmentInfo, 978  
 briar::EnrollOptions, 1001  
 briar::EnrollReply, 1020  
 briar::EnrollRequest, 1046  
 briar::ExtractOptions, 1064  
 briar::ExtractReply, 1081  
 briar::ExtractRequest, 1097  
 briar::FloatOption, 1108  
 briar::FrameMetadata, 1119  
 briar::IntOption, 1128  
 briar::MediaMetadata, 1152  
 briar::Record, 1179  
 briar::RecordList, 1199  
 briar::SearchDatabaseReply, 1212  
 briar::SearchDatabaseRequest, 1228  
 briar::SearchMatchInfo, 1250  
 briar::SearchMatchList, 1262  
 briar::SearchOptions, 1283  
 briar::SearchReply, 1303  
 briar::SearchRequest, 1321  
 briar::StatusReply, 1339  
 briar::StatusRequest, 1348  
 briar::StringOption, 1358  
 briar::Template, 1377  
 briar::TemplateData, 1392  
 briar::TemplateIds, 1405  
 briar::TemplateImageInput, 1416  
 briar::TemplateList, 1426  
 briar::TemplateListGroup, 1437  
 briar::TrackingOptions, 1452  
 briar::Tracklet, 1468  
 briar::TrackReply, 1483  
 briar::TrackRequest, 1499  
 briar::VerifyDatabaseReply, 1516  
 briar::VerifyDatabaseRequest, 1559  
 briar::VerifyMatchInfo, 1582  
 briar::VerifyMatchList, 1594  
 briar::VerifyOptions, 1608  
 briar::VerifyReply, 1624  
 briar::VerifyRequest, 1643

swap

briar::APIVersion, 139  
 briar::Attribute, 164  
 briar::BoolOption, 173  
 briar::BriarDatabase, 183  
 briar::BriarDatabaseInfo, 203  
 briar::BriarDuration, 213  
 briar::BriarDurations, 231  
 briar::BriarDurationsList, 245  
 briar::BriarErrorMessage, 256  
 briar::BriarErrors, 266  
 briar::BriarMatrix, 291  
 briar::BriarMedia, 315  
 briar::BriarPoint2D, 329  
 briar::BriarProgress, 339  
 briar::BriarRect, 350

briar::BriarServiceConfigurationReply, 365  
briar::BriarServiceConfigurationRequest, 372  
briar::BriarVector, 382  
briar::ClusterConfidence, 392  
briar::ClusterIds, 403  
briar::ClusterReply, 418  
briar::ClusterRequest, 430  
briar::DatabaseCheckpointReply, 442  
briar::DatabaseCheckpointRequest, 456  
briar::DatabaseCheckpointSubjectRequest, 470  
briar::DatabaseCreateReply, 483  
briar::DatabaseCreateRequest, 496  
briar::DatabaseDeleteReply, 509  
briar::DatabaseDeleteRequest, 520  
briar::DatabaseFinalizeReply, 532  
briar::DatabaseFinalizeRequest, 542  
briar::DatabaseHasEntryReply, 554  
briar::DatabaseHasEntryRequest, 566  
briar::DatabaseInfoReply, 578  
briar::DatabaseInfoRequest, 589  
briar::DatabaseInsertReply, 603  
briar::DatabaseInsertRequest, 617  
briar::DatabaseListEntriesReply, 632  
briar::DatabaseListEntriesRequest, 643  
briar::DatabaseListReply, 655  
briar::DatabaseListRequest, 665  
briar::DatabaseLoadReply, 679  
briar::DatabaseLoadRequest, 691  
briar::DatabaseMergeReply, 703  
briar::DatabaseMergeRequest, 715  
briar::DatabaseMoveEntryReply, 726  
briar::DatabaseMoveEntryRequest, 740  
briar::DatabaseRemoveTmplsReply, 751  
briar::DatabaseRemoveTmplsRequest, 764  
briar::DatabaseRenameReply, 776  
briar::DatabaseRenameRequest, 788  
briar::DatabaseRetrieveReply, 802  
briar::DatabaseRetrieveRequest, 815  
briar::Detection, 834  
briar::DetectionOptions, 858  
briar::DetectReply, 875  
briar::DetectRequest, 892  
briar::Empty, 899  
briar::EnhanceOptions, 914  
briar::EnhanceReply, 929  
briar::EnhanceRequest, 944  
briar::EnrollCustomRequest, 962  
briar::EnrollmentInfo, 979  
briar::EnrollOptions, 1003  
briar::EnrollReply, 1023  
briar::EnrollRequest, 1050  
briar::ExtractOptions, 1066  
briar::ExtractReply, 1084  
briar::ExtractRequest, 1099  
briar::FloatOption, 1109  
briar::FrameMetadata, 1119  
briar::IntOption, 1129  
briar::MediaMetadata, 1152  
briar::Record, 1181  
briar::RecordList, 1199  
briar::SearchDatabaseReply, 1213  
briar::SearchDatabaseRequest, 1230  
briar::SearchMatchInfo, 1252  
briar::SearchMatchList, 1262  
briar::SearchOptions, 1287  
briar::SearchReply, 1305  
briar::SearchRequest, 1324  
briar::StatusReply, 1341  
briar::StatusRequest, 1348  
briar::StringOption, 1359  
briar::Template, 1378  
briar::TemplateData, 1393  
briar::TemplateIds, 1406  
briar::TemplateImageInput, 1417  
briar::TemplateList, 1428  
briar::TemplateListGroup, 1438  
briar::TrackingOptions, 1455  
briar::Tracklet, 1469  
briar::TrackReply, 1485  
briar::TrackRequest, 1501  
briar::VerifyDatabaseReply, 1518  
briar::VerifyDatabaseRequest, 1561  
briar::VerifyMatchInfo, 1584  
briar::VerifyMatchList, 1594  
briar::VerifyOptions, 1611  
briar::VerifyReply, 1627  
briar::VerifyRequest, 1647

TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_2eprot, 1361  
    offsets, 1361

TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5ferror\_2eprot, 1362  
    offsets, 1362

TableStruct\_briar\_2fbriar\_5fgrpc\_2fbriar\_5fservice\_2eprot, 1362  
    offsets, 1362

Template  
    briar::Template, 1366, 1367

template\_  
    briar::EnrollRequest, 1046  
    briar::EnrollRequest::\_\_Internal, 107

template\_count  
    briar::BriarDatabaseInfo, 202

TemplateData  
    briar::TemplateData, 1382, 1383

TemplateDataDefaultTypeInternal  
    briar::TemplateDataDefaultTypeInternal, 1394

TemplateDefaultTypeInternal  
    briar::TemplateDefaultTypeInternal, 1396

TemplateIds  
    briar::TemplateIds, 1399, 1400

TemplateIdsDefaultTypeInternal  
    briar::TemplateIdsDefaultTypeInternal, 1408

TemplateImageInput  
    briar::TemplateImageInput, 1411, 1412

TemplateImageInputDefaultTypeInternal

briar::TemplateImageInputDefaultTypeInternal,  
     **1419**  
 TemplateList  
     briar::TemplateList, **1422, 1423**  
 TemplateListDefaultTypeInternal  
     briar::TemplateListDefaultTypeInternal, **1429**  
 TemplateListGroup  
     briar::TemplateListGroup, **1432, 1433**  
 TemplateListGroupDefaultTypeInternal  
     briar::TemplateListGroupDefaultTypeInternal, **1439**  
 templates  
     briar::DatabaseRetrieveReply, **800**  
     briar::DatabaseRetrieveReply::\_Internal, **93**  
     briar::ExtractReply, **1082**  
     briar::Record, **1179**  
 templates\_per\_entry  
     briar::BriarDatabaseInfo, **202**  
 templates\_per\_entry\_size  
     briar::BriarDatabaseInfo, **202**  
 templates\_size  
     briar::ExtractReply, **1082**  
 text  
     briar::Attribute, **161**  
 theoretical\_max  
     briar::SearchMatchInfo, **1250**  
     briar::VerifyMatchInfo, **1582**  
 theoretical\_min  
     briar::SearchMatchInfo, **1251**  
     briar::VerifyMatchInfo, **1583**  
 threshold  
     briar::TrackingOptions, **1452**  
     briar::TrackingOptions::\_Internal, **122**  
 TIF  
     briar::BriarMedia, **320**  
 tmpls  
     briar::DatabaseCreateRequest, **494**  
     briar::DatabaseCreateRequest::\_Internal, **79**  
     briar::DatabaseInsertRequest, **615**  
     briar::DatabaseInsertRequest::\_Internal, **85**  
     briar::TemplateList, **1427**  
 tmpls\_size  
     briar::TemplateList, **1427**  
 to\_database  
     briar::DatabaseMoveEntryRequest, **738**  
     briar::DatabaseMoveEntryRequest::\_Internal, **89**  
 total\_database\_size  
     briar::BriarDatabaseInfo, **202**  
 total\_duration  
     briar::BriarDurations, **228**  
     briar::BriarDurations::\_Internal, **72**  
 totalsteps  
     briar::BriarProgress, **338**  
 track\_reply  
     briar::EnrollReply, **1021**  
     briar::EnrollReply::\_Internal, **105**  
     briar::ExtractReply, **1082**  
     briar::ExtractReply::\_Internal, **109**  
 tracking\_batch  
     briar::TrackingOptions, **1452**  
     briar::TrackingOptions::\_Internal, **122**  
 tracking\_disable  
     briar::TrackingOptions, **1453**  
     briar::TrackingOptions::\_Internal, **122**  
 tracking\_options  
     briar::DetectionOptions, **854**  
     briar::DetectionOptions::\_Internal, **96**  
 TrackingOptions  
     briar::TrackingOptions, **1443, 1444**  
 TrackingOptionsDefaultTypeInternal  
     briar::TrackingOptionsDefaultTypeInternal, **1456**  
 Tracklet  
     briar::Tracklet, **1460, 1461**  
 tracklet\_class  
     briar::Tracklet, **1468**  
 tracklet\_id  
     briar::Detection, **832**  
     briar::TemplateData, **1392**  
     briar::Tracklet, **1468**  
 TrackletDefaultTypeInternal  
     briar::TrackletDefaultTypeInternal, **1471**  
 tracklets  
     briar::Record, **1179**  
     briar::TrackReply, **1483**  
 tracklets\_size  
     briar::TrackReply, **1484**  
 TrackReply  
     briar::TrackReply, **1475**  
 TrackReplyDefaultTypeInternal  
     briar::TrackReplyDefaultTypeInternal, **1487**  
 TrackRequest  
     briar::TrackRequest, **1491**  
 TrackRequestDefaultTypeInternal  
     briar::TrackRequestDefaultTypeInternal, **1502**  
 tracks  
     briar::EnrollRequest, **1046**  
 tracks\_size  
     briar::EnrollRequest, **1047**  
 type  
     briar::Attribute, **161**  
     briar::BriarMedia, **314**  
     briar::EnrollmentInfo, **978**  
 UNKNOWN  
     briar, **37**  
 unsafe\_arena\_release\_algorithm\_id  
     briar::DetectionOptions, **854**  
     briar::EnhanceOptions, **912**  
     briar::ExtractOptions, **1064**  
     briar::TrackingOptions, **1453**  
 unsafe\_arena\_release\_api\_version  
     briar::StatusReply, **1340**  
 unsafe\_arena\_release\_best  
     briar::DetectionOptions, **855**  
 unsafe\_arena\_release\_body  
     briar::SearchMatchInfo, **1251**  
     briar::VerifyMatchInfo, **1583**  
 unsafe\_arena\_release\_body\_min\_height

briar::DetectionOptions, 855  
unsafe\_arena\_release\_body\_threshold  
    briar::DetectionOptions, 855  
unsafe\_arena\_release\_client\_duration\_file\_level  
    briar::BriarDurations, 228  
unsafe\_arena\_release\_client\_duration\_frame\_level  
    briar::BriarDurations, 228  
unsafe\_arena\_release\_data  
    briar::Template, 1377  
unsafe\_arena\_release\_database  
    briar::ClusterRequest, 428  
    briar::DatabaseCheckpointRequest, 454  
    briar::DatabaseCheckpointSubjectRequest, 468  
    briar::DatabaseCreateRequest, 494  
    briar::DatabaseDeleteRequest, 519  
    briar::DatabaseFinalizeRequest, 542  
    briar::DatabaseHasEntryRequest, 565  
    briar::DatabaseInsertRequest, 615  
    briar::DatabaseLoadRequest, 689  
    briar::DatabaseRemoveTmplsRequest, 762  
    briar::DatabaseRenameRequest, 786  
    briar::DatabaseRetrieveRequest, 813  
    briar::EnrollCustomRequest, 960  
    briar::EnrollRequest, 1047  
    briar::SearchDatabaseRequest, 1228  
    briar::SearchRequest, 1322  
unsafe\_arena\_release\_database\_id  
    briar::Record, 1179  
unsafe\_arena\_release\_database\_new  
    briar::DatabaseRenameRequest, 787  
unsafe\_arena\_release\_debug  
    briar::DetectionOptions, 855  
    briar::EnrollOptions, 1001  
    briar::ExtractOptions, 1064  
    briar::VerifyOptions, 1608  
unsafe\_arena\_release\_detect\_batch  
    briar::DetectionOptions, 855  
unsafe\_arena\_release\_detect\_options  
    briar::DetectRequest, 891  
    briar::EnrollCustomRequest, 960  
    briar::EnrollRequest, 1047  
    briar::ExtractRequest, 1098  
    briar::SearchRequest, 1322  
    briar::TrackRequest, 1499  
    briar::VerifyRequest, 1643  
unsafe\_arena\_release\_detect\_reply  
    briar::EnrollReply, 1021  
    briar::ExtractReply, 1082  
    briar::SearchReply, 1303  
    briar::VerifyReply, 1625  
unsafe\_arena\_release\_detection  
    briar::Record, 1180  
unsafe\_arena\_release\_duration  
    briar::DatabaseInfoReply, 577  
unsafe\_arena\_release\_durations  
    briar::ClusterReply, 417  
    briar::ClusterRequest, 429  
    briar::DatabaseCheckpointReply, 441  
            briar::DatabaseCheckpointRequest, 454  
            briar::DatabaseCheckpointSubjectRequest, 469  
            briar::DatabaseCreateReply, 482  
            briar::DatabaseDeleteReply, 508  
            briar::DatabaseFinalizeReply, 531  
            briar::DatabaseInsertReply, 601  
            briar::DatabaseInsertRequest, 615  
            briar::DatabaseListEntriesReply, 631  
            briar::DatabaseListEntriesRequest, 642  
            briar::DatabaseLoadReply, 678  
            briar::DatabaseLoadRequest, 690  
            briar::DatabaseMergeReply, 702  
            briar::DatabaseMergeRequest, 714  
            briar::DatabaseRemoveTmplsReply, 750  
            briar::DatabaseRemoveTmplsRequest, 763  
            briar::DatabaseRenameReply, 775  
            briar::DatabaseRetrieveReply, 800  
            briar::DatabaseRetrieveRequest, 814  
            briar::DetectReply, 873  
            briar::DetectRequest, 891  
            briar::EnhanceReply, 927  
            briar::EnhanceRequest, 943  
            briar::EnrollCustomRequest, 960  
            briar::EnrollReply, 1021  
            briar::EnrollRequest, 1047  
            briar::ExtractReply, 1082  
            briar::ExtractRequest, 1098  
            briar::SearchDatabaseRequest, 1228  
            briar::SearchReply, 1303  
            briar::SearchRequest, 1322  
            briar::TrackReply, 1484  
            briar::TrackRequest, 1499  
            briar::VerifyDatabaseRequest, 1559  
            briar::VerifyReply, 1625  
            briar::VerifyRequest, 1644  
unsafe\_arena\_release\_enable\_metadata  
    briar::DetectionOptions, 855  
unsafe\_arena\_release\_enhance\_batch  
    briar::EnhanceOptions, 913  
unsafe\_arena\_release\_enhance\_options  
    briar::EnhanceRequest, 943  
unsafe\_arena\_release\_enroll\_batch  
    briar::EnrollOptions, 1001  
unsafe\_arena\_release\_enroll\_options  
    briar::EnrollCustomRequest, 960  
    briar::EnrollRequest, 1047  
unsafe\_arena\_release\_errors  
    briar::ClusterReply, 417  
    briar::DatabaseCheckpointReply, 441  
    briar::DatabaseCheckpointRequest, 454  
    briar::DatabaseCheckpointSubjectRequest, 469  
    briar::DatabaseCreateReply, 482  
    briar::DatabaseDeleteReply, 508  
    briar::DatabaseFinalizeReply, 531  
    briar::DatabaseInsertReply, 601

**briar::DatabaseLoadReply**, 678  
**briar::DatabaseRemoveTmplsReply**, 750  
**briar::DatabaseRenameReply**, 775  
**briar::DatabaseRetrieveReply**, 800  
**briar::DetectReply**, 873  
**briar::EnhanceReply**, 927  
**briar::EnrollReply**, 1021  
**briar::ExtractReply**, 1082  
**briar::SearchDatabaseReply**, 1212  
**briar::SearchReply**, 1304  
**briar::TrackReply**, 1484  
**briar::VerifyDatabaseReply**, 1516  
**briar::VerifyReply**, 1625  
**unsafe\_arena\_release\_extract\_batch**  
    **briar::ExtractOptions**, 1064  
**unsafe\_arena\_release\_extract\_options**  
    **briar::EnrollCustomRequest**, 960  
    **briar::EnrollRequest**, 1047  
    **briar::ExtractRequest**, 1098  
    **briar::SearchRequest**, 1322  
    **briar::VerifyRequest**, 1644  
**unsafe\_arena\_release\_extract\_reply**  
    **briar::EnrollReply**, 1021  
    **briar::SearchReply**, 1304  
    **briar::VerifyReply**, 1625  
**unsafe\_arena\_release\_face**  
    **briar::SearchMatchInfo**, 1251  
    **briar::VerifyMatchInfo**, 1583  
**unsafe\_arena\_release\_face\_min\_height**  
    **briar::DetectionOptions**, 855  
**unsafe\_arena\_release\_face\_threshold**  
    **briar::DetectionOptions**, 855  
**unsafe\_arena\_release\_from\_database**  
    **briar::DatabaseMoveEntryRequest**, 738  
**unsafe\_arena\_release\_full**  
    **briar::SearchOptions**, 1283  
**unsafe\_arena\_release\_gate**  
    **briar::SearchMatchInfo**, 1251  
    **briar::VerifyMatchInfo**, 1583  
**unsafe\_arena\_release\_grpc\_inbound\_transfer\_duration**  
    **briar::BriarDurations**, 228  
**unsafe\_arena\_release\_grpc\_outbound\_transfer\_duration**  
    **briar::BriarDurations**, 229  
**unsafe\_arena\_release\_ids**  
    **briar::DatabaseCreateReply**, 482  
    **briar::DatabaseInsertReply**, 601  
    **briar::DatabaseInsertRequest**, 615  
    **briar::DatabaseLoadReply**, 678  
    **briar::DatabaseRemoveTmplsRequest**, 763  
    **briar::DatabaseRetrieveRequest**, 814  
**unsafe\_arena\_release\_im**  
    **briar::TemplateImageInput**, 1417  
**unsafe\_arena\_release\_info**  
    **briar::DatabaseInfoReply**, 577  
**unsafe\_arena\_release\_location**  
    **briar::Detection**, 832  
**unsafe\_arena\_release\_mask**  
    **briar::Detection**, 832  
  
**unsafe\_arena\_release\_match\_matrix**  
    **briar::VerifyDatabaseReply**, 1516  
**unsafe\_arena\_release\_matrix**  
    **briar::Attribute**, 161  
**unsafe\_arena\_release\_max\_results**  
    **briar::SearchOptions**, 1283  
**unsafe\_arena\_release\_media**  
    **briar::Attribute**, 161  
    **briar::Detection**, 833  
    **briar::DetectRequest**, 891  
    **briar::EnhanceReply**, 927  
    **briar::EnhanceRequest**, 943  
    **briar::EnrollRequest**, 1047  
    **briar::ExtractRequest**, 1098  
    **briar::SearchRequest**, 1322  
    **briar::TrackRequest**, 1499  
    **briar::VerifyRequest**, 1644  
**unsafe\_arena\_release\_options**  
    **briar::Tracklet**, 1468  
**unsafe\_arena\_release\_out\_dir**  
    **briar::SearchOptions**, 1283  
**unsafe\_arena\_release\_output\_database**  
    **briar::DatabaseMergeRequest**, 714  
**unsafe\_arena\_release\_output\_type**  
    **briar::SearchOptions**, 1283  
**unsafe\_arena\_release\_point**  
    **briar::Attribute**, 162  
**unsafe\_arena\_release\_probe\_database**  
    **briar::SearchDatabaseRequest**, 1228  
    **briar::SearchOptions**, 1283  
**unsafe\_arena\_release\_probes**  
    **briar::SearchRequest**, 1322  
**unsafe\_arena\_release\_progress**  
    **briar::ClusterReply**, 417  
    **briar::DatabaseHasEntryReply**, 553  
    **briar::DatabaseMoveEntryReply**, 725  
    **briar::DetectReply**, 873  
    **briar::EnhanceReply**, 927  
    **briar::EnrollReply**, 1021  
    **briar::ExtractReply**, 1083  
    **briar::SearchDatabaseReply**, 1212  
    **briar::SearchReply**, 1304  
    **briar::TrackReply**, 1484  
    **briar::VerifyDatabaseReply**, 1517  
**unsafe\_arena\_release\_record**  
    **briar::EnrollRequest**, 1048  
**unsafe\_arena\_release\_records**  
    **briar::DatabaseLoadReply**, 678  
    **briar::DatabaseRetrieveReply**, 800  
**unsafe\_arena\_release\_rect**  
    **briar::Attribute**, 162  
**unsafe\_arena\_release\_reference\_database**  
    **briar::VerifyDatabaseRequest**, 1560  
**unsafe\_arena\_release\_reference\_media**  
    **briar::DetectReply**, 873  
**unsafe\_arena\_release\_reference\_tmpls**  
    **briar::VerifyRequest**, 1644  
**unsafe\_arena\_release\_return\_matrix**

briar::SearchOptions, 1283  
unsafe\_arena\_release\_return\_media  
    briar::DetectionOptions, 856  
    briar::EnhanceOptions, 913  
    briar::EnrollOptions, 1001  
    briar::ExtractOptions, 1065  
    briar::SearchOptions, 1284  
    briar::TrackingOptions, 1453  
    briar::VerifyOptions, 1608  
unsafe\_arena\_release\_save\_metadata  
    briar::EnrollOptions, 1001  
unsafe\_arena\_release\_search\_batch  
    briar::SearchOptions, 1284  
unsafe\_arena\_release\_search\_database  
    briar::SearchOptions, 1284  
unsafe\_arena\_release\_search\_options  
    briar::SearchDatabaseRequest, 1228  
    briar::SearchRequest, 1322  
unsafe\_arena\_release\_search\_threshold  
    briar::SearchOptions, 1284  
unsafe\_arena\_release\_service\_duration  
    briar::BriarDurations, 229  
unsafe\_arena\_release\_similarities  
    briar::VerifyReply, 1625  
unsafe\_arena\_release\_store\_media  
    briar::EnrollOptions, 1001  
unsafe\_arena\_release\_subject\_id\_integer  
    briar::EnrollOptions, 1001  
unsafe\_arena\_release\_template\_  
    briar::EnrollRequest, 1048  
unsafe\_arena\_release\_templates  
    briar::DatabaseRetrieveReply, 801  
unsafe\_arena\_release\_threshold  
    briar::TrackingOptions, 1453  
unsafe\_arena\_release\_tmpls  
    briar::DatabaseCreateRequest, 495  
    briar::DatabaseInsertRequest, 616  
unsafe\_arena\_release\_to\_database  
    briar::DatabaseMoveEntryRequest, 738  
unsafe\_arena\_release\_total\_duration  
    briar::BriarDurations, 229  
unsafe\_arena\_release\_track\_reply  
    briar::EnrollReply, 1021  
    briar::ExtractReply, 1083  
unsafe\_arena\_release\_tracking\_batch  
    briar::TrackingOptions, 1453  
unsafe\_arena\_release\_tracking\_disable  
    briar::TrackingOptions, 1453  
unsafe\_arena\_release\_tracking\_options  
    briar::DetectionOptions, 856  
unsafe\_arena\_release\_use\_detections  
    briar::SearchOptions, 1284  
    briar::VerifyOptions, 1608  
unsafe\_arena\_release\_use\_subject\_integer\_id  
    briar::EnrollOptions, 1002  
unsafe\_arena\_release\_use\_templates  
    briar::SearchOptions, 1284  
    briar::VerifyOptions, 1609  
unsafe\_arena\_release\_use\_whole\_image  
    briar::VerifyOptions, 1609  
unsafe\_arena\_release\_vector  
    briar::Attribute, 162  
unsafe\_arena\_release\_verify\_database  
    briar::VerifyDatabaseRequest, 1560  
unsafe\_arena\_release\_verify\_options  
    briar::VerifyDatabaseRequest, 1560  
    briar::VerifyRequest, 1644  
unsafe\_arena\_release\_version  
    briar::StatusReply, 1340  
unsafe\_arena\_set\_allocated\_algorithm\_id  
    briar::DetectionOptions, 856  
    briar::EnhanceOptions, 913  
    briar::ExtractOptions, 1065  
    briar::TrackingOptions, 1453  
unsafe\_arena\_set\_allocated\_api\_version  
    briar::StatusReply, 1340  
unsafe\_arena\_set\_allocated\_best  
    briar::DetectionOptions, 856  
unsafe\_arena\_set\_allocated\_body  
    briar::SearchMatchInfo, 1251  
    briar::VerifyMatchInfo, 1583  
unsafe\_arena\_set\_allocated\_body\_min\_height  
    briar::DetectionOptions, 856  
unsafe\_arena\_set\_allocated\_body\_threshold  
    briar::DetectionOptions, 856  
unsafe\_arena\_set\_allocated\_client\_duration\_file\_level  
    briar::BriarDurations, 229  
unsafe\_arena\_set\_allocated\_client\_duration\_frame\_level  
    briar::BriarDurations, 229  
unsafe\_arena\_set\_allocated\_data  
    briar::Template, 1377  
unsafe\_arena\_set\_allocated\_database  
    briar::ClusterRequest, 429  
    briar::DatabaseCheckpointRequest, 454  
    briar::DatabaseCheckpointSubjectRequest, 469  
    briar::DatabaseCreateRequest, 495  
    briar::DatabaseDeleteRequest, 519  
    briar::DatabaseFinalizeRequest, 542  
    briar::DatabaseHasEntryRequest, 565  
    briar::DatabaseInsertRequest, 616  
    briar::DatabaseLoadRequest, 690  
    briar::DatabaseRemoveTmplsRequest, 763  
    briar::DatabaseRenameRequest, 787  
    briar::DatabaseRetrieveRequest, 814  
    briar::EnrollCustomRequest, 961  
    briar::EnrollRequest, 1048  
    briar::SearchDatabaseRequest, 1229  
    briar::SearchRequest, 1323  
unsafe\_arena\_set\_allocated\_database\_id  
    briar::Record, 1180  
unsafe\_arena\_set\_allocated\_database\_new  
    briar::DatabaseRenameRequest, 787  
unsafe\_arena\_set\_allocated\_debug  
    briar::DetectionOptions, 856  
    briar::EnrollOptions, 1002  
    briar::ExtractOptions, 1065

briar::VerifyOptions, 1609  
 unsafe\_arena\_set\_allocated\_detect\_batch  
 briar::DetectionOptions, 857  
 unsafe\_arena\_set\_allocated\_detect\_options  
 briar::DetectRequest, 891  
 briar::EnrollCustomRequest, 961  
 briar::EnrollRequest, 1048  
 briar::ExtractRequest, 1098  
 briar::SearchRequest, 1323  
 briar::TrackRequest, 1500  
 briar::VerifyRequest, 1644  
 unsafe\_arena\_set\_allocated\_detect\_reply  
 briar::EnrollReply, 1022  
 briar::ExtractReply, 1083  
 briar::SearchReply, 1304  
 briar::VerifyReply, 1625  
 unsafe\_arena\_set\_allocated\_detection  
 briar::Record, 1180  
 unsafe\_arena\_set\_allocated\_duration  
 briar::DatabaseInfoReply, 577  
 unsafe\_arena\_set\_allocated\_durations  
 briar::ClusterReply, 417  
 briar::ClusterRequest, 429  
 briar::DatabaseCheckpointReply, 441  
 briar::DatabaseCheckpointRequest, 455  
 briar::DatabaseCheckpointSubjectRequest, 469  
 briar::DatabaseCreateReply, 482  
 briar::DatabaseCreateRequest, 495  
 briar::DatabaseDeleteReply, 508  
 briar::DatabaseDeleteRequest, 520  
 briar::DatabaseFinalizeReply, 531  
 briar::DatabaseInfoRequest, 589  
 briar::DatabaseInsertReply, 602  
 briar::DatabaseInsertRequest, 616  
 briar::DatabaseListentriesReply, 631  
 briar::DatabaseListEntriesRequest, 643  
 briar::DatabaseLoadReply, 678  
 briar::DatabaseLoadRequest, 690  
 briar::DatabaseMergeReply, 702  
 briar::DatabaseMergeRequest, 714  
 briar::DatabaseRemoveTmplsReply, 750  
 briar::DatabaseRemoveTmplsRequest, 763  
 briar::DatabaseRenameReply, 775  
 briar::DatabaseRetrieveReply, 801  
 briar::DatabaseRetrieveRequest, 814  
 briar::DetectReply, 874  
 briar::DetectRequest, 891  
 briar::EnhanceReply, 928  
 briar::EnhanceRequest, 943  
 briar::EnrollCustomRequest, 961  
 briar::EnrollReply, 1022  
 briar::EnrollRequest, 1048  
 briar::ExtractReply, 1083  
 briar::ExtractRequest, 1098  
 briar::SearchDatabaseRequest, 1229  
 briar::SearchReply, 1304  
 briar::SearchRequest, 1323  
 briar::TrackReply, 1484  
 briar::TrackRequest, 1500  
 briar::VerifyDatabaseRequest, 1560  
 briar::VerifyReply, 1625  
 briar::VerifyRequest, 1644  
 unsafe\_arena\_set\_allocated\_enable\_metadata  
 briar::DetectionOptions, 857  
 unsafe\_arena\_set\_allocated\_enhance\_batch  
 briar::EnhanceOptions, 913  
 unsafe\_arena\_set\_allocated\_enhance\_options  
 briar::EnhanceRequest, 943  
 unsafe\_arena\_set\_allocated\_enroll\_batch  
 briar::EnrollOptions, 1002  
 unsafe\_arena\_set\_allocated\_enroll\_options  
 briar::EnrollCustomRequest, 961  
 briar::EnrollRequest, 1048  
 unsafe\_arena\_set\_allocated\_errors  
 briar::ClusterReply, 417  
 briar::DatabaseCheckpointReply, 441  
 briar::DatabaseCheckpointRequest, 455  
 briar::DatabaseCheckpointSubjectRequest, 469  
 briar::DatabaseCreateReply, 482  
 briar::DatabaseDeleteReply, 508  
 briar::DatabaseFinalizeReply, 531  
 briar::DatabaseInsertReply, 602  
 briar::DatabaseLoadReply, 678  
 briar::DatabaseRemoveTmplsReply, 751  
 briar::DatabaseRenameReply, 775  
 briar::DatabaseRetrieveReply, 801  
 briar::DetectReply, 874  
 briar::EnhanceReply, 928  
 briar::EnrollReply, 1022  
 briar::ExtractReply, 1083  
 briar::SearchDatabaseReply, 1212  
 briar::SearchReply, 1304  
 briar::TrackReply, 1484  
 briar::VerifyDatabaseReply, 1517  
 briar::VerifyReply, 1626  
 unsafe\_arena\_set\_allocated\_extract\_batch  
 briar::ExtractOptions, 1065  
 unsafe\_arena\_set\_allocated\_extract\_options  
 briar::EnrollCustomRequest, 961  
 briar::EnrollRequest, 1048  
 briar::ExtractRequest, 1098  
 briar::SearchRequest, 1323  
 briar::VerifyRequest, 1645  
 unsafe\_arena\_set\_allocated\_extract\_reply  
 briar::EnrollReply, 1022  
 briar::SearchReply, 1304  
 briar::VerifyReply, 1626  
 unsafe\_arena\_set\_allocated\_face  
 briar::SearchMatchInfo, 1251  
 briar::VerifyMatchInfo, 1583  
 unsafe\_arena\_set\_allocated\_face\_min\_height  
 briar::DetectionOptions, 857  
 unsafe\_arena\_set\_allocated\_face\_threshold  
 briar::DetectionOptions, 857  
 unsafe\_arena\_set\_allocated\_from\_database  
 briar::DatabaseMoveEntryRequest, 739

unsafe\_arena\_set\_allocated\_full  
    briar::SearchOptions, 1284

unsafe\_arena\_set\_allocated\_gate  
    briar::SearchMatchInfo, 1251  
    briar::VerifyMatchInfo, 1583

unsafe\_arena\_set\_allocated\_grpc\_inbound\_transfer\_duration  
    briar::BriarDurations, 229

unsafe\_arena\_set\_allocated\_grpc\_outbound\_transfer\_duration  
    briar::BriarDurations, 229

unsafe\_arena\_set\_allocated\_ids  
    briar::DatabaseCreateReply, 482  
    briar::DatabaseInsertReply, 602  
    briar::DatabaseInsertRequest, 616  
    briar::DatabaseLoadReply, 678  
    briar::DatabaseRemoveTmplsRequest, 763  
    briar::DatabaseRetrieveRequest, 814

unsafe\_arena\_set\_allocated\_im  
    briar::TemplateImageInput, 1417

unsafe\_arena\_set\_allocated\_info  
    briar::DatabaseInfoReply, 577

unsafe\_arena\_set\_allocated\_location  
    briar::Detection, 833

unsafe\_arena\_set\_allocated\_mask  
    briar::Detection, 833

unsafe\_arena\_set\_allocated\_match\_matrix  
    briar::VerifyDatabaseReply, 1517

unsafe\_arena\_set\_allocated\_matrix  
    briar::Attribute, 162

unsafe\_arena\_set\_allocated\_max\_results  
    briar::SearchOptions, 1284

unsafe\_arena\_set\_allocated\_media  
    briar::Attribute, 162  
    briar::Detection, 833  
    briar::DetectRequest, 892  
    briar::EnhanceReply, 928  
    briar::EnhanceRequest, 943  
    briar::EnrollRequest, 1049  
    briar::ExtractRequest, 1099  
    briar::SearchRequest, 1323  
    briar::TrackRequest, 1500  
    briar::VerifyRequest, 1645

unsafe\_arena\_set\_allocated\_options  
    briar::Tracklet, 1468

unsafe\_arena\_set\_allocated\_out\_dir  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_output\_database  
    briar::DatabaseMergeRequest, 715

unsafe\_arena\_set\_allocated\_output\_type  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_point  
    briar::Attribute, 162

unsafe\_arena\_set\_allocated\_probe\_database  
    briar::SearchDatabaseRequest, 1229  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_probes  
    briar::SearchRequest, 1323

unsafe\_arena\_set\_allocated\_progress  
    briar::ClusterReply, 417

briar::DatabaseHasEntryReply, 553  
briar::DatabaseMoveEntryReply, 725  
briar::DetectReply, 874  
briar::EnhanceReply, 928  
briar::EnrollReply, 1022  
briar::ExtractReply, 1083  
briar::SearchDatabaseReply, 1212  
briar::SearchReply, 1305  
briar::TrackReply, 1484  
briar::VerifyDatabaseReply, 1517

unsafe\_arena\_set\_allocated\_record  
    briar::EnrollRequest, 1049

unsafe\_arena\_set\_allocated\_records  
    briar::DatabaseLoadReply, 679  
    briar::DatabaseRetrieveReply, 801

unsafe\_arena\_set\_allocated\_rect  
    briar::Attribute, 162

unsafe\_arena\_set\_allocated\_reference\_database  
    briar::VerifyDatabaseRequest, 1560

unsafe\_arena\_set\_allocated\_reference\_media  
    briar::DetectReply, 874

unsafe\_arena\_set\_allocated\_reference\_tmpls  
    briar::VerifyRequest, 1645

unsafe\_arena\_set\_allocated\_return\_matrix  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_return\_media  
    briar::DetectionOptions, 857  
    briar::EnhanceOptions, 913  
    briar::EnrollOptions, 1002  
    briar::ExtractOptions, 1065  
    briar::SearchOptions, 1285  
    briar::TrackingOptions, 1453  
    briar::VerifyOptions, 1609

unsafe\_arena\_set\_allocated\_save\_metadata  
    briar::EnrollOptions, 1002

unsafe\_arena\_set\_allocated\_search\_batch  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_search\_database  
    briar::SearchOptions, 1285

unsafe\_arena\_set\_allocated\_search\_options  
    briar::SearchDatabaseRequest, 1229  
    briar::SearchRequest, 1323

unsafe\_arena\_set\_allocated\_search\_threshold  
    briar::SearchOptions, 1286

unsafe\_arena\_set\_allocated\_service\_duration  
    briar::BriarDurations, 230

unsafe\_arena\_set\_allocated\_similarities  
    briar::VerifyReply, 1626

unsafe\_arena\_set\_allocated\_store\_media  
    briar::EnrollOptions, 1002

unsafe\_arena\_set\_allocated\_subject\_id\_integer  
    briar::EnrollOptions, 1002

unsafe\_arena\_set\_allocated\_template  
    briar::EnrollRequest, 1049

unsafe\_arena\_set\_allocated\_templates  
    briar::DatabaseRetrieveReply, 801

unsafe\_arena\_set\_allocated\_threshold  
    briar::TrackingOptions, 1454

unsafe\_arena\_set\_allocated\_tmpls  
     briar::DatabaseCreateRequest, 495  
     briar::DatabaseInsertRequest, 616  
 unsafe\_arena\_set\_allocated\_to\_database  
     briar::DatabaseMoveEntryRequest, 739  
 unsafe\_arena\_set\_allocated\_total\_duration  
     briar::BriarDurations, 230  
 unsafe\_arena\_set\_allocated\_track\_reply  
     briar::EnrollReply, 1022  
     briar::ExtractReply, 1083  
 unsafe\_arena\_set\_allocated\_tracking\_batch  
     briar::TrackingOptions, 1454  
 unsafe\_arena\_set\_allocated\_tracking\_disable  
     briar::TrackingOptions, 1454  
 unsafe\_arena\_set\_allocated\_tracking\_options  
     briar::DetectionOptions, 857  
 unsafe\_arena\_set\_allocated\_use\_detections  
     briar::SearchOptions, 1286  
     briar::VerifyOptions, 1609  
 unsafe\_arena\_set\_allocated\_use\_subject\_integer\_id  
     briar::EnrollOptions, 1003  
 unsafe\_arena\_set\_allocated\_use\_templates  
     briar::SearchOptions, 1286  
     briar::VerifyOptions, 1609  
 unsafe\_arena\_set\_allocated\_use\_whole\_image  
     briar::VerifyOptions, 1609  
 unsafe\_arena\_set\_allocated\_vector  
     briar::Attribute, 163  
 unsafe\_arena\_set\_allocated\_verify\_database  
     briar::VerifyDatabaseRequest, 1560  
 unsafe\_arena\_set\_allocated\_verify\_options  
     briar::VerifyDatabaseRequest, 1560  
     briar::VerifyRequest, 1645  
 unsafe\_arena\_set\_allocated\_version  
     briar::StatusReply, 1340  
**UnsafeArenaSwap**  
     briar::APIVersion, 138  
     briar::Attribute, 163  
     briar::BoolOption, 173  
     briar::BriarDatabase, 183  
     briar::BriarDatabaseInfo, 202  
     briar::BriarDuration, 213  
     briar::BriarDurations, 230  
     briar::BriarDurationsList, 245  
     briar::BriarErrorMessage, 255  
     briar::BriarErrors, 266  
     briar::BriarMatrix, 290  
     briar::BriarMedia, 314  
     briar::BriarPoint2D, 328  
     briar::BriarProgress, 339  
     briar::BriarRect, 349  
     briar::BriarServiceConfigurationReply, 364  
     briar::BriarServiceConfigurationRequest, 372  
     briar::BriarVector, 382  
     briar::ClusterConfidence, 391  
     briar::ClusterIds, 403  
     briar::ClusterReply, 418  
     briar::ClusterRequest, 429  
**briar**:  
     ::DatabaseCheckpointReply, 441  
     ::DatabaseCheckpointRequest, 455  
     ::DatabaseCheckpointSubjectRequest, 469  
     ::DatabaseCreateReply, 482  
     ::DatabaseCreateRequest, 495  
     ::DatabaseDeleteReply, 508  
     ::DatabaseDeleteRequest, 520  
     ::DatabaseFinalizeReply, 532  
     ::DatabaseFinalizeRequest, 542  
     ::DatabaseHasEntryReply, 553  
     ::DatabaseHasEntryRequest, 565  
     ::DatabaseInfoReply, 577  
     ::DatabaseInfoRequest, 589  
     ::DatabaseInsertReply, 602  
     ::DatabaseInsertRequest, 616  
     ::DatabaseListEntriesReply, 631  
     ::DatabaseListEntriesRequest, 643  
     ::DatabaseListReply, 654  
     ::DatabaseListRequest, 664  
     ::DatabaseLoadReply, 679  
     ::DatabaseLoadRequest, 690  
     ::DatabaseMergeReply, 702  
     ::DatabaseMergeRequest, 715  
     ::DatabaseMoveEntryReply, 725  
     ::DatabaseMoveEntryRequest, 739  
     ::DatabaseRemoveTmplsReply, 751  
     ::DatabaseRemoveTmplsRequest, 763  
     ::DatabaseRenameReply, 776  
     ::DatabaseRenameRequest, 787  
     ::DatabaseRetrieveReply, 801  
     ::DatabaseRetrieveRequest, 814  
     ::Detection, 833  
     ::DetectionOptions, 857  
     ::DetectReply, 874  
     ::DetectRequest, 892  
     ::Empty, 899  
     ::EnhanceOptions, 913  
     ::EnhanceReply, 928  
     ::EnhanceRequest, 944  
     ::EnrollCustomRequest, 961  
     ::EnrollmentInfo, 978  
     ::EnrollOptions, 1003  
     ::EnrollReply, 1022  
     ::EnrollRequest, 1049  
     ::ExtractOptions, 1065  
     ::ExtractReply, 1084  
     ::ExtractRequest, 1099  
     ::FloatOption, 1108  
     ::FrameMetadata, 1119  
     ::IntOption, 1128  
     ::MediaMetadata, 1152  
     ::Record, 1180  
     ::RecordList, 1199  
     ::SearchDatabaseReply, 1212  
     ::SearchDatabaseRequest, 1229  
     ::SearchMatchInfo, 1252  
     ::SearchMatchList, 1262  
     ::SearchOptions, 1286

briar::SearchReply, 1305  
briar::SearchRequest, 1324  
briar::StatusReply, 1340  
briar::StatusRequest, 1348  
briar::StringOption, 1358  
briar::Template, 1377  
briar::TemplateData, 1392  
briar::TemplateIds, 1406  
briar::TemplateImageInput, 1417  
briar::TemplateList, 1427  
briar::TemplateListGroup, 1437  
briar::TrackingOptions, 1454  
briar::Tracklet, 1468  
briar::TrackReply, 1485  
briar::TrackRequest, 1500  
briar::VerifyDatabaseReply, 1517  
briar::VerifyDatabaseRequest, 1561  
briar::VerifyMatchInfo, 1584  
briar::VerifyMatchList, 1594  
briar::VerifyOptions, 1610  
briar::VerifyReply, 1626  
briar::VerifyRequest, 1645  
UNSPECIFIED  
    briar, 35  
URL  
    briar::BriarMedia, 320  
use\_detections  
    briar::SearchOptions, 1286  
    briar::SearchOptions::\_Internal, 116  
    briar::VerifyOptions, 1610  
    briar::VerifyOptions::\_Internal, 127  
use\_subject\_integer\_id  
    briar::EnrollOptions, 1003  
    briar::EnrollOptions::\_Internal, 104  
use\_templates  
    briar::SearchOptions, 1286  
    briar::SearchOptions::\_Internal, 116  
    briar::VerifyOptions, 1610  
    briar::VerifyOptions::\_Internal, 128  
use\_whole\_image  
    briar::VerifyOptions, 1610  
    briar::VerifyOptions::\_Internal, 128  
uses\_integer\_gallery\_id  
    briar::VerifyMatchInfo, 1584  
uses\_integer\_subject\_id\_gallery  
    briar::SearchMatchInfo, 1252  
    briar::VerifyDatabaseReply, 1517  
ValidateKey  
    briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
        234  
    briar::Record\_MediaPreviewsEntry\_DoNotUse,  
        1184  
    briar::Record\_SubjectPreviewsEntry\_DoNotUse,  
        1188  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse  
        1521  
    briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse  
        1525  
    briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse  
        1530  
    briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse  
        1534  
    briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse  
        1539  
    briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse  
        1543  
ValidateValue  
    briar::BriarDurations\_SubDurationsEntry\_DoNotUse,  
        234  
    briar::Record\_MediaPreviewsEntry\_DoNotUse,  
        1184  
    briar::Record\_SubjectPreviewsEntry\_DoNotUse,  
        1188  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse,  
        1521  
    briar::VerifyDatabaseReply\_MatrixGalleryDetectionsEntry\_DoNotUse  
        1525  
    briar::VerifyDatabaseReply\_MatrixGalleryTrackletsEntry\_DoNotUse  
        1530  
    briar::VerifyDatabaseReply\_MatrixProbeAttributesEntry\_DoNotUse,  
        1534  
    briar::VerifyDatabaseReply\_MatrixProbeDetectionsEntry\_DoNotUse  
        1539  
    briar::VerifyDatabaseReply\_MatrixProbeTrackletsEntry\_DoNotUse  
        1543  
value  
    briar::BoolOption, 173  
    briar::FloatOption, 1109  
    briar::IntOption, 1129  
    briar::StringOption, 1358  
VECTOR  
    briar, 35  
vector  
    briar::Attribute, 163  
    briar::Attribute::\_Internal, 70  
verify  
    briar::VerifyRequest, 1647  
VERIFY\_AUTO\_DETECTION  
    briar, 39  
verify\_database  
    briar::VerifyDatabaseRequest, 1561  
    briar::VerifyDatabaseRequest::\_Internal, 126  
VERIFY\_FULL\_IMAGE  
    briar, 39  
verify\_options  
    briar::VerifyDatabaseRequest, 1561  
    briar::VerifyDatabaseRequest::\_Internal, 126  
    briar::VerifyRequest, 1645  
    briar::VerifyRequest::\_Internal, 130  
VERIFY\_PROVIDED\_DETECTIONS  
    briar, 39  
VERIFY\_PROVIDED\_TEMPLATES  
    briar, 40  
VerifyDatabaseReply  
    briar::VerifyDatabaseReply, 1507  
VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse  
    briar::VerifyDatabaseReply\_MatrixGalleryAttributesEntry\_DoNotUse



briar::VerifyRequest, [1648](#)  
VerifyRole\_MIN  
    briar::VerifyRequest, [1648](#)  
VerifyRole\_Name  
    briar::VerifyRequest, [1646](#)  
VerifyRole\_Parse  
    briar::VerifyRequest, [1646](#)  
version  
    briar::StatusReply, [1340](#)  
    briar::StatusReply::\_\_Internal, [119](#)  
VOICE  
    briar, [35](#)  
  
WHOLE\_BODY  
    briar, [35](#)  
width  
    briar::BriarMedia, [314](#)  
    briar::BriarRect, [349](#)  
  
x  
    briar::BriarPoint2D, [328](#)  
    briar::BriarRect, [349](#)  
XML  
    briar, [35](#)  
xml  
    briar::Attribute, [163](#)  
  
y  
    briar::BriarPoint2D, [329](#)  
    briar::BriarRect, [349](#)