# BRIAR API C# Stubs

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# 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 cooresponding 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 compatable 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:

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# Chapter 3

# Hierarchical Index

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# Chapter 6

# Namespace Documentation

## 6.1 briar Namespace Reference

### Namespaces

- namespace BriarGrpc

## 6.2 briar.BriarGrpc Namespace Reference

### Classes

- class APIVersion

  *Query the implementation for the version*
- class Attribute
- class BoolOption
- class BriarDatabase

  *Stores images/detections/feature_vectors together in a searchable/referenceable data structure*
- class BriarDatabaseInfo

  *A message used for reporting information about a specific database*
- class BriarDuration
- class BriarDurations

  *Data structure to contain timing information for BRIAR functions.*
- class BriarDurationsList
- class BriarErrorMessage

  *Human readable Error message with code*
- class **BriarErrorReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar_error.proto*
- class BriarErrors

  *List of errors*
- class BriarMatrix

  *message to hold a vector of vectors*
- class BriarMedia

  *Media*
- class BriarPoint2D

*message to hold a point*

- class BriarProgress

  *message that contains progress*
- class BriarRect

  *TODO optionally break this out into briar_geometry.proto message to hold rectangle*
- class **BriarReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar.proto*
- class **BRIARService**

  *BRAIR solutions will be implemented as gRPC services.*
- class BriarServiceConfigurationReply
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- class **BriarServiceReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar_service.proto*
- class BriarVector

  *message to hold a vector*
- class ClusterConfidence

  *A messageure to represent a list of cluster confidence objects.*
- class ClusterIds

  *A message to represent a list of cluster ids objects.*
- class ClusterReply
- class ClusterRequest
- class DatabaseCheckpointReply
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- class DatabaseCreateReply
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- class DatabaseFinalizeReply
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- class DatabaseRemoveTmplsReply
- class DatabaseRemoveTmplsRequest
- class DatabaseRenameReply
- class DatabaseRenameRequest
- class DatabaseRetrieveReply
- class DatabaseRetrieveRequest

  *OPTIONAL: request that returns a databases contents to the client.*

- class Detection

  *Data relating to the detection of an object in an image.*
- class DetectionOptions

  *Configuration for the detection algorithm*
- class DetectReply
- class DetectRequest
- class Empty
- class EnhanceOptions

  *Configuration for the detection algorithm*
- class EnhanceReply
- class EnhanceRequest
- class EnrollCustomRequest
- class EnrollmentInfo

  *Information about the entity being enrolled*
- class EnrollOptions

  *Defines actions to take when enrolling into a gallery*
- class EnrollReply
- class EnrollRequest
- class ExtractOptions

  *Options to extract a detected subject from an image*
- class ExtractReply
- class ExtractRequest
- class FloatOption
- class FrameMetadata
- class IntOption
- class MediaMetadata
- class Record
- class RecordList

  *DEPRICATED: records are not used at this time.*
- class SearchDatabaseReply
- class SearchDatabaseRequest

  *This is a search that takes a gallery database and a probe database, and searches all probes against the gallery*
- class SearchMatchInfo

  *Information about a match*
- class SearchMatchList

  *List of matches*
- class SearchOptions
- class SearchReply
- class SearchRequest

  *There are three options on how to run a search.*
- class StatusReply

  *Returns basic status and information on the service and its version as well as additional options and features supported.*
- class StatusRequest

  *Request status on the service.*
- class StringOption
- class Template

  *Data structure to hold signature generated from an extraction.*
- class TemplateData

  *Mapping item to store a simple part of multipart/multimodal templates.*
- class TemplateIds

  *A message representing a list of unique template ids.*

- class TemplateImageInput

  *Data structure to keep image data and detections together*
- class TemplateList

  *List of template*
- class TemplateListGroup

  *List of List of templates*
- class TrackingOptions

  *Configuration for the tracking algorithms*
- class Tracklet

  *Represents a time-wise track of a detected instance*
- class TrackReply
- class TrackRequest
- class VerifyDatabaseReply
- class VerifyDatabaseRequest

  *This is a search that takes a gallery database and a probe database, and searches all probes against the gallery*
- class VerifyMatchInfo
- class VerifyMatchList

  *List of matches*
- class VerifyOptions
- class VerifyReply
- class VerifyRequest

  *Performs 1-to-1 Media Verification in a streaming paradigm (streams reference media in first, then streams in verification media*

## Enumerations

- enum class BiometricModality {
  Unspecified = 0 , WholeBody = 1 , Face = 2 , Gait = 3 ,
  Body = 4 , Anthropometry = 5 , Head = 6 , Behavior = 7 ,
  SoftBiometrics = 8 , Fingerprint = 9 , Iris = 10 , Voice = 11 ,
  Hand = 12 , Ear = 13 , Palm = 14 , Other = 15 }

  *Used to specify general biometric modalities.*
- enum class BriarDataType {
  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 }

  *Enumeration for data types used by Briar*
- enum class BriarError {
  BriarSuccess = 0 , BriarUnknownError = 1 , BriarInternalError = 2 , BriarOutOfMemory = 3 ,
  BriarInvalidSdkPath = 4 , BriarBadSdkConfig = 5 , BriarBadLicense = 6 , BriarMissingData = 7 ,
  BriarInvalidGpu = 8 , BriarBadArgument = 9 , BriarOpenError = 10 , BriarReadError = 11 ,
  BriarWriteError = 12 , BriarParseError = 13 , BriarInvalidMedia = 14 , BriarOutOfBoundsAccess = 15 ,
  BriarMediaAtEnd = 16 , BriarInvalidAttributeKey = 17 , BriarMissingAttribute = 18 , BriarDuplicateId = 19 ,
  BriarMissingId = 20 , BriarMissingFileName = 21 , BriarIncorrectRole = 22 , BriarFailureToSerialize = 23 ,
  BriarFailureToDeserialize = 24 , BriarBatchAbortedEarly = 25 , BriarBatchFinishedWithErrors = 26 ,
  BriarCallbackExitImmediately = 27 ,
  BriarNotImplemented = 28 , BriarNumErrors = 29 }

  *Enum to define the different Briar error codes*
- enum class BriarServiceStatus { Unknown = 0 , Ready = 1 , Error = 2 , Busy = 3 }

  *Representation of the service's current status*
- enum class EnrollFlags { EnrollFullImage = 0 , EnrollAutoDetection = 1 , EnrollProvidedDetection = 2 ,
  EnrollProvidedTemplate = 3 }

*Flags tell service what mode to run in when running enroll command*

- enum class EntryType { Unknown = 0 , Subject = 1 , Media = 2 }
- enum class ExtractFlags { ExtractFullImage = 0 , ExtractAutoDetection = 1 , ExtractProvidedDetection = 2 }

  *Flag tells service what mode to run in when running an extract command*
- enum class FeatureVectorType {
  BriarInt8 = 0 , BriarInt16 = 1 , BriarInt32 = 2 , BriarInt64 = 3 ,
  BriarUint8 = 4 , BriarUint16 = 5 , BriarUint32 = 6 , BriarUint64 = 7 ,
  BriarFloat = 8 , BriarDouble = 9 }

  *The data type of the feature vector returned by template_get_feature_vector*
- enum class SearchFlags { SearchFullImage = 0 , SearchAutoDetection = 1 , SearchProvidedDetections = 2 , SearchProvidedTemplates = 3 }

  *Tells service what mode to run in when running search command*
- enum class VerifyFlags { VerifyFullImage = 0 , VerifyAutoDetection = 1 , VerifyProvidedDetections = 2 , VerifyProvidedTemplates = 3 }

  *Flag tells service what mode to run in when running verify command*

## 6.2.1 Enumeration Type Documentation

### 6.2.1.1 BiometricModality

```
enum briar.BriarGrpc.BiometricModality  [strong]
```

Used to specify general biometric modalities.

Typical BRIAR modalities fall into three categories: FACE, BODY, or GAIT. UNSPECIFIED will typcially would be the fusion of all modalities.

**Enumerator**

| | |
|---|---|
| Unspecified | Use the fusion of all available modalities. |
| WholeBody | deprecated. Use BODY for general body appearance or features |
| Face | |
| Gait | |
| Body | |
| Anthropometry | |
| Head | |
| Behavior | |
| SoftBiometrics | |
| Fingerprint | |
| Iris | |
| Voice | |
| Hand | |
| Ear | |
| Palm | |
| Other | |

#### 6.2.1.2 BriarDataType

`enum briar.BriarGrpc.BriarDataType [strong]`

Enumeration for data types used by Briar

**Enumerator**

| | |
|---|---|
| Empty | |
| String | |
| Int | stored as string |
| Float | stored as string |
| Bytes | raw data |
| Vector | floating point values seperated by commas |
| Pickle | |
| Xml | |
| Json | |
| Matrix | |
| Media | |
| Point | |
| Rect | |
| Buffer | |

#### 6.2.1.3 BriarError

`enum briar.BriarGrpc.BriarError [strong]`

Enum to define the different Briar error codes

**Enumerator**

| | |
|---|---|
| BriarSuccess | No error |
| BriarUnknownError | Catch all error code |
| BriarInternalError | An internal SDK error was encountered |
| BriarOutOfMemory | Out of memory error |
| BriarInvalidSdkPath | Invalid SDK location |
| BriarBadSdkConfig | Invalid SDK configuration |
| BriarBadLicense | Incorrect license file |
| BriarMissingData | Missing SDK data |
| BriarInvalidGpu | The GPU is not functioning |
| BriarBadArgument | An argument to a BRIAR function is invalid |
| BriarOpenError | Failed to open a file |
| BriarReadError | Failed to read from a file |
| BriarWriteError | Failed to write to a file |
| BriarParseError | Failed to parse a file |
| BriarInvalidMedia | Failed to decode a media file |
| BriarOutOfBoundsAccess | Out of bounds access into a buffer |
| BriarMediaAtEnd | Media object is at the end of its data |

**Enumerator**

| | |
|---|---|
| BriarInvalidAttributeKey | An invalid attribute key was provided |
| BriarMissingAttribute | A value for a valid attribute key is not present |
| BriarDuplicateId | Template id already exists in a gallery |
| BriarMissingId | Template id can't be found |
| BriarMissingFileName | An expected file name is not given |
| BriarIncorrectRole | Incorrect template role |
| BriarFailureToSerialize | Could not serialize a data structure |
| BriarFailureToDeserialize | Could not deserialize a data structure |
| BriarBatchAbortedEarly | Batch call aborted early due to error |
| BriarBatchFinishedWithErrors | Batch call finished, but with errors |
| BriarCallbackExitImmediately | Callback error indicating processing should stop immediately |
| BriarNotImplemented | Optional function return |
| BriarNumErrors | Utility to iterate over all errors |

#### 6.2.1.4 BriarServiceStatus

`enum briar.BriarGrpc.BriarServiceStatus [strong]`

Representation of the service's current status

**Enumerator**

| | |
|---|---|
| Unknown | |
| Ready | |
| Error | |
| Busy | |

#### 6.2.1.5 EnrollFlags

`enum briar.BriarGrpc.EnrollFlags [strong]`

Flags tell service what mode to run in when running enroll command

**Enumerator**

| | |
|---|---|
| EnrollFullImage | Do not run detections: extract from whole image |
| EnrollAutoDetection | Run detection on the image, generate detections |
| EnrollProvidedDetection | Extract and enroll from provided detections |
| EnrollProvidedTemplate | Enroll from provided template |

#### 6.2.1.6 EntryType

enum briar.BriarGrpc.EntryType [strong]

**Enumerator**

| | |
|---|---|
| Unknown | Not typically used |
| Subject | Entry corresponds to a person (gallery) and entries should be aggregated under a person_id |
| Media | Entry corresponds to media (probe) and entries should be under a media_id |

#### 6.2.1.7 ExtractFlags

enum briar.BriarGrpc.ExtractFlags [strong]

Flag tells service what mode to run in when running an extract command

**Enumerator**

| | |
|---|---|
| ExtractFullImage | |
| ExtractAutoDetection | |
| ExtractProvidedDetection | |

#### 6.2.1.8 FeatureVectorType

enum briar.BriarGrpc.FeatureVectorType [strong]

The data type of the feature vector returned by template_get_feature_vector

**Enumerator**

| | |
|---|---|
| BriarInt8 | |
| BriarInt16 | |
| BriarInt32 | |
| BriarInt64 | |
| BriarUint8 | |
| BriarUint16 | |
| BriarUint32 | |
| BriarUint64 | |
| BriarFloat | |
| BriarDouble | |

#### 6.2.1.9 SearchFlags

enum briar.BriarGrpc.SearchFlags [strong]

Tells service what mode to run in when running search command

**Enumerator**

| | |
|---|---|
| SearchFullImage | Create template from the entire image and use resulting template |
| SearchAutoDetection | Run detection on image, generate detections, extract templates, and search |
| SearchProvidedDetections | Create templates from the provided detections |
| SearchProvidedTemplates | Use provided templates |

#### 6.2.1.10 VerifyFlags

enum briar.BriarGrpc.VerifyFlags [strong]

Flag tells service what mode to run in when running verify command

**Enumerator**

| | |
|---|---|
| VerifyFullImage | Create template from the entire image and use resulting template |
| VerifyAutoDetection | |
| VerifyProvidedDetections | Create templates from the provided detections |
| VerifyProvidedTemplates | Use provided templates |

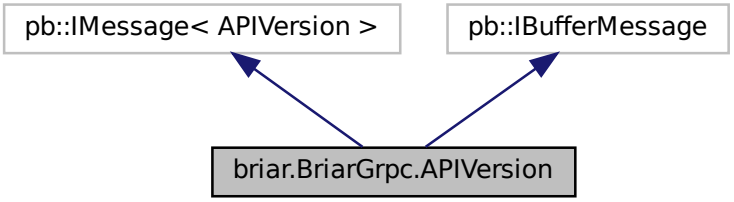
# Chapter 7

# Class Documentation

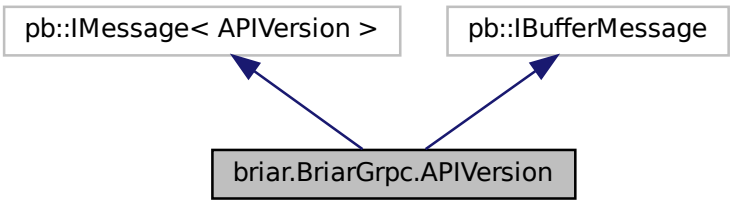
## 7.1 briar.BriarGrpc.APIVersion Class Reference

Query the implementation for the version

Inheritance diagram for briar.BriarGrpc.APIVersion:




Collaboration diagram for briar.BriarGrpc.APIVersion:



### Public Member Functions

- APIVersion ()
- APIVersion (APIVersion other)
- int CalculateSize ()
- APIVersion Clone ()
- bool Equals (APIVersion other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (APIVersion other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int MajorFieldNumber = 1

  *Field number for the "major" field.*
- const int MinorFieldNumber = 2

  *Field number for the "minor" field.*
- const int PatchFieldNumber = 3

  *Field number for the "patch" field.*

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- int Major `[get, set]`
- int Minor `[get, set]`
- static pb::MessageParser< APIVersion > Parser `[get]`
- int Patch `[get, set]`

## 7.1.1 Detailed Description

Query the implementation for the version

## 7.1.2 Constructor & Destructor Documentation

#### 7.1.2.1 APIVersion() [1/2]

```
briar.BriarGrpc.APIVersion.APIVersion ( )  [inline]
```

#### 7.1.2.2 APIVersion() [2/2]

```
briar.BriarGrpc.APIVersion.APIVersion (
            APIVersion other )  [inline]
```

### 7.1.3 Member Function Documentation

#### 7.1.3.1 CalculateSize()

```
int briar.BriarGrpc.APIVersion.CalculateSize ( )  [inline]
```

#### 7.1.3.2 Clone()

```
APIVersion briar.BriarGrpc.APIVersion.Clone ( )  [inline]
```

#### 7.1.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.APIVersion.Equals (
            APIVersion other )  [inline]
```

#### 7.1.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.APIVersion.Equals (
            object other )  [inline]
```

#### 7.1.3.5 GetHashCode()

```
override int briar.BriarGrpc.APIVersion.GetHashCode ( )  [inline]
```

#### 7.1.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.APIVersion.MergeFrom (
            APIVersion other )  [inline]
```

#### 7.1.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.APIVersion.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.1.3.8 ToString()

```
override string briar.BriarGrpc.APIVersion.ToString ( )  [inline]
```

#### 7.1.3.9 WriteTo()

```
void briar.BriarGrpc.APIVersion.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.1.4 Member Data Documentation

#### 7.1.4.1 MajorFieldNumber

```
const int briar.BriarGrpc.APIVersion.MajorFieldNumber = 1  [static]
```

Field number for the "major" field.

#### 7.1.4.2 MinorFieldNumber

```
const int briar.BriarGrpc.APIVersion.MinorFieldNumber = 2  [static]
```

Field number for the "minor" field.

#### 7.1.4.3 PatchFieldNumber

```
const int briar.BriarGrpc.APIVersion.PatchFieldNumber = 3  [static]
```

Field number for the "patch" field.

### 7.1.5 Property Documentation

#### 7.1.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.APIVersion.Descriptor  [static], [get]
```

#### 7.1.5.2 Major

```
int briar.BriarGrpc.APIVersion.Major  [get], [set]
```

#### 7.1.5.3 Minor

```
int briar.BriarGrpc.APIVersion.Minor  [get], [set]
```

#### 7.1.5.4 Parser

```
pb.MessageParser<APIVersion> briar.BriarGrpc.APIVersion.Parser  [static], [get]
```

#### 7.1.5.5 Patch

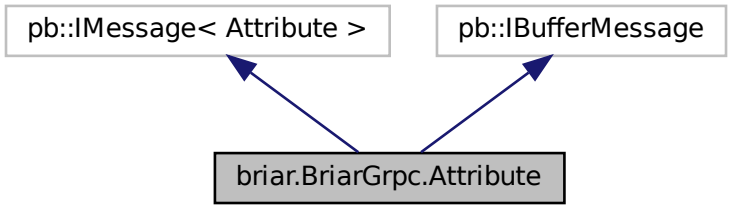
```
int briar.BriarGrpc.APIVersion.Patch  [get], [set]
```

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

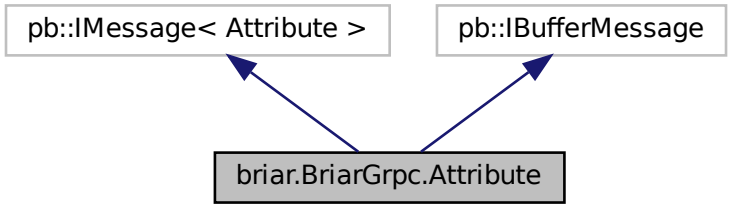
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.2 briar.BriarGrpc.Attribute Class Reference

Inheritance diagram for briar.BriarGrpc.Attribute:




Collaboration diagram for briar.BriarGrpc.Attribute:




### Public Member Functions

- Attribute ()
- Attribute (Attribute other)
- int CalculateSize ()
- Attribute Clone ()
- bool Equals (Attribute other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (Attribute other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int BufferFieldNumber = 3

  *Field number for the "buffer" field.*
- const int DescriptionFieldNumber = 2

  *Field number for the "description" field.*
- const int FvalueFieldNumber = 4

  *Field number for the "fvalue" field.*
- const int IvalueFieldNumber = 5

  *Field number for the "ivalue" field.*
- const int JsonFieldNumber = 8

  *Field number for the "json" field.*
- const int KeyFieldNumber = 1

  *Field number for the "key" field.*
- const int MatrixFieldNumber = 9

  *Field number for the "matrix" field.*
- const int MediaFieldNumber = 11

  *Field number for the "media" field.*
- const int PickleFieldNumber = 7

  *Field number for the "pickle" field.*
- const int PointFieldNumber = 12

  *Field number for the "point" field.*
- const int RectFieldNumber = 13

  *Field number for the "rect" field.*
- const int TextFieldNumber = 6

  *Field number for the "text" field.*
- const int TypeFieldNumber = 15

  *Field number for the "type" field.*
- const int VectorFieldNumber = 10

  *Field number for the "vector" field.*
- const int XmlFieldNumber = 14

  *Field number for the "xml" field.*

## Properties

- pb::ByteString Buffer `[get, set]`
- string Description `[get, set]`

  *A text description on the content or type hint*
- static pbr::MessageDescriptor Descriptor `[get]`
- float Fvalue `[get, set]`
- int Ivalue `[get, set]`
- pb::ByteString Json `[get, set]`
- string Key `[get, set]`

  *uid for this attribute*
- global::briar.BriarGrpc.BriarMatrix Matrix `[get, set]`
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`
- static pb::MessageParser< Attribute > Parser `[get]`
- pb::ByteString Pickle `[get, set]`
- global::briar.BriarGrpc.BriarPoint2D Point `[get, set]`
- global::briar.BriarGrpc.BriarRect Rect `[get, set]`
- string Text `[get, set]`
- global::briar.BriarGrpc.BriarDataType Type `[get, set]`
- global::briar.BriarGrpc.BriarVector Vector `[get, set]`
- pb::ByteString Xml `[get, set]`

### 7.2.1 Constructor & Destructor Documentation

#### 7.2.1.1 Attribute() [1/2]

```
briar.BriarGrpc.Attribute.Attribute ( )  [inline]
```

#### 7.2.1.2 Attribute() [2/2]

```
briar.BriarGrpc.Attribute.Attribute (
            Attribute other )  [inline]
```

### 7.2.2 Member Function Documentation

#### 7.2.2.1 CalculateSize()

```
int briar.BriarGrpc.Attribute.CalculateSize ( )  [inline]
```

#### 7.2.2.2 Clone()

```
Attribute briar.BriarGrpc.Attribute.Clone ( )  [inline]
```

#### 7.2.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.Attribute.Equals (
            Attribute other )  [inline]
```

#### 7.2.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.Attribute.Equals (
            object other )  [inline]
```

#### 7.2.2.5 GetHashCode()

```
override int briar.BriarGrpc.Attribute.GetHashCode ( )  [inline]
```

#### 7.2.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Attribute.MergeFrom (
            Attribute other )  [inline]
```

#### 7.2.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Attribute.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.2.2.8 ToString()

```
override string briar.BriarGrpc.Attribute.ToString ( )  [inline]
```

#### 7.2.2.9 WriteTo()

```
void briar.BriarGrpc.Attribute.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.2.3 Member Data Documentation

#### 7.2.3.1 BufferFieldNumber

```
const int briar.BriarGrpc.Attribute.BufferFieldNumber = 3  [static]
```

Field number for the "buffer" field.

#### 7.2.3.2 DescriptionFieldNumber

```
const int briar.BriarGrpc.Attribute.DescriptionFieldNumber = 2  [static]
```

Field number for the "description" field.

#### 7.2.3.3 FvalueFieldNumber

```
const int briar.BriarGrpc.Attribute.FvalueFieldNumber = 4  [static]
```

Field number for the "fvalue" field.

#### 7.2.3.4 IvalueFieldNumber

```
const int briar.BriarGrpc.Attribute.IvalueFieldNumber = 5  [static]
```

Field number for the "ivalue" field.

#### 7.2.3.5 JsonFieldNumber

```
const int briar.BriarGrpc.Attribute.JsonFieldNumber = 8  [static]
```

Field number for the "json" field.

#### 7.2.3.6 KeyFieldNumber

```
const int briar.BriarGrpc.Attribute.KeyFieldNumber = 1  [static]
```

Field number for the "key" field.

#### 7.2.3.7 MatrixFieldNumber

```
const int briar.BriarGrpc.Attribute.MatrixFieldNumber = 9  [static]
```

Field number for the "matrix" field.

#### 7.2.3.8 MediaFieldNumber

```
const int briar.BriarGrpc.Attribute.MediaFieldNumber = 11  [static]
```

Field number for the "media" field.

#### 7.2.3.9 PickleFieldNumber

```
const int briar.BriarGrpc.Attribute.PickleFieldNumber = 7  [static]
```

Field number for the "pickle" field.

#### 7.2.3.10 PointFieldNumber

```
const int briar.BriarGrpc.Attribute.PointFieldNumber = 12  [static]
```

Field number for the "point" field.

#### 7.2.3.11 RectFieldNumber

```
const int briar.BriarGrpc.Attribute.RectFieldNumber = 13  [static]
```

Field number for the "rect" field.

#### 7.2.3.12 TextFieldNumber

```
const int briar.BriarGrpc.Attribute.TextFieldNumber = 6  [static]
```

Field number for the "text" field.

#### 7.2.3.13 TypeFieldNumber

```
const int briar.BriarGrpc.Attribute.TypeFieldNumber = 15  [static]
```

Field number for the "type" field.

#### 7.2.3.14 VectorFieldNumber

```
const int briar.BriarGrpc.Attribute.VectorFieldNumber = 10  [static]
```

Field number for the "vector" field.

#### 7.2.3.15 XmlFieldNumber

```
const int briar.BriarGrpc.Attribute.XmlFieldNumber = 14  [static]
```

Field number for the "xml" field.

### 7.2.4 Property Documentation

#### 7.2.4.1 Buffer

```
pb.ByteString briar.BriarGrpc.Attribute.Buffer  [get], [set]
```

#### 7.2.4.2 Description

```
string briar.BriarGrpc.Attribute.Description  [get], [set]
```

A text description on the content or type hint

#### 7.2.4.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Attribute.Descriptor  [static], [get]
```

#### 7.2.4.4 Fvalue

```
float briar.BriarGrpc.Attribute.Fvalue  [get], [set]
```

#### 7.2.4.5 Ivalue

```
int briar.BriarGrpc.Attribute.Ivalue  [get], [set]
```

#### 7.2.4.6 Json

```
pb.ByteString briar.BriarGrpc.Attribute.Json  [get], [set]
```

#### 7.2.4.7 Key

```
string briar.BriarGrpc.Attribute.Key  [get], [set]
```

uid for this attribute

#### 7.2.4.8 Matrix

```
global.briar.BriarGrpc.BriarMatrix briar.BriarGrpc.Attribute.Matrix  [get], [set]
```

#### 7.2.4.9 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.Attribute.Media  [get], [set]
```

#### 7.2.4.10 Parser

```
pb.MessageParser<Attribute> briar.BriarGrpc.Attribute.Parser  [static], [get]
```

#### 7.2.4.11 Pickle

```
pb.ByteString briar.BriarGrpc.Attribute.Pickle  [get], [set]
```

#### 7.2.4.12 Point

```
global.briar.BriarGrpc.BriarPoint2D briar.BriarGrpc.Attribute.Point  [get], [set]
```

#### 7.2.4.13 Rect

```
global.briar.BriarGrpc.BriarRect briar.BriarGrpc.Attribute.Rect  [get], [set]
```

#### 7.2.4.14 Text

```
string briar.BriarGrpc.Attribute.Text  [get], [set]
```

#### 7.2.4.15 Type

```
global.briar.BriarGrpc.BriarDataType briar.BriarGrpc.Attribute.Type  [get], [set]
```

#### 7.2.4.16 Vector

```
global.briar.BriarGrpc.BriarVector briar.BriarGrpc.Attribute.Vector  [get], [set]
```

#### 7.2.4.17 Xml

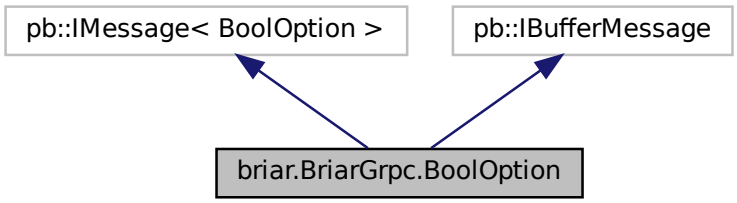
```
pb.ByteString briar.BriarGrpc.Attribute.Xml  [get], [set]
```

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

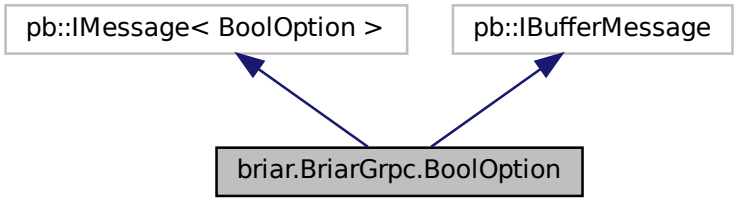
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.3 briar.BriarGrpc.BoolOption Class Reference

Inheritance diagram for briar.BriarGrpc.BoolOption:




Collaboration diagram for briar.BriarGrpc.BoolOption:




### Public Member Functions

- BoolOption ()
- BoolOption (BoolOption other)
- int CalculateSize ()
- BoolOption Clone ()
- bool Equals (BoolOption other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BoolOption other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int OverrideDefaultFieldNumber = 1

  *Field number for the "override_default" field.*
- const int ValueFieldNumber = 2

  *Field number for the "value" field.*

## Properties

- static pbr::MessageDescriptor Descriptor [get]
- bool OverrideDefault [get, set]
- static pb::MessageParser< BoolOption > Parser [get]
- bool Value [get, set]

### 7.3.1 Constructor & Destructor Documentation

#### 7.3.1.1 BoolOption() [1/2]

```
briar.BriarGrpc.BoolOption.BoolOption ( ) [inline]
```

#### 7.3.1.2 BoolOption() [2/2]

```
briar.BriarGrpc.BoolOption.BoolOption (
            BoolOption other ) [inline]
```

### 7.3.2 Member Function Documentation

#### 7.3.2.1 CalculateSize()

```
int briar.BriarGrpc.BoolOption.CalculateSize ( ) [inline]
```

#### 7.3.2.2 Clone()

```
BoolOption briar.BriarGrpc.BoolOption.Clone ( ) [inline]
```

#### 7.3.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.BoolOption.Equals (
            BoolOption other ) [inline]
```

#### 7.3.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BoolOption.Equals (
            object other )  [inline]
```

#### 7.3.2.5 GetHashCode()

```
override int briar.BriarGrpc.BoolOption.GetHashCode ( )  [inline]
```

#### 7.3.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BoolOption.MergeFrom (
            BoolOption other )  [inline]
```

#### 7.3.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BoolOption.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.3.2.8 ToString()

```
override string briar.BriarGrpc.BoolOption.ToString ( )  [inline]
```

#### 7.3.2.9 WriteTo()

```
void briar.BriarGrpc.BoolOption.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.3.3 Member Data Documentation

#### 7.3.3.1 OverrideDefaultFieldNumber

```
const int briar.BriarGrpc.BoolOption.OverrideDefaultFieldNumber = 1  [static]
```

Field number for the "override_default" field.

#### 7.3.3.2 ValueFieldNumber

```
const int briar.BriarGrpc.BoolOption.ValueFieldNumber = 2  [static]
```

Field number for the "value" field.

### 7.3.4 Property Documentation

#### 7.3.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BoolOption.Descriptor  [static], [get]
```

#### 7.3.4.2 OverrideDefault

```
bool briar.BriarGrpc.BoolOption.OverrideDefault  [get], [set]
```

#### 7.3.4.3 Parser

```
pb.MessageParser<BoolOption> briar.BriarGrpc.BoolOption.Parser  [static], [get]
```

#### 7.3.4.4 Value

```
bool briar.BriarGrpc.BoolOption.Value  [get], [set]
```

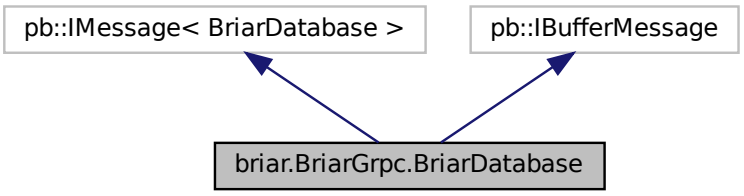
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

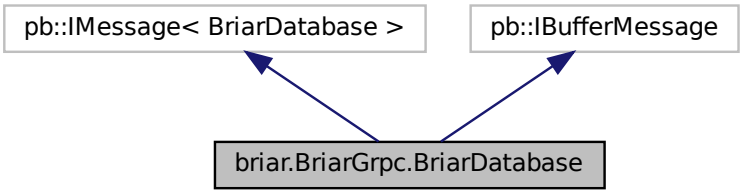
## 7.4 briar.BriarGrpc.BriarDatabase Class Reference

Stores images/detections/feature_vectors together in a searchable/referenceable data structure

Inheritance diagram for briar.BriarGrpc.BriarDatabase:




Collaboration diagram for briar.BriarGrpc.BriarDatabase:




### Public Member Functions

- BriarDatabase ()
- BriarDatabase (BriarDatabase other)
- int CalculateSize ()
- BriarDatabase Clone ()
- bool Equals (BriarDatabase other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarDatabase other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int NameFieldNumber = 1

  *Field number for the "name" field.*

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- string Name `[get, set]`

  *An identifier for the gallery*
- static pb::MessageParser< BriarDatabase > Parser `[get]`

## 7.4.1 Detailed Description

Stores images/detections/feature_vectors together in a searchable/referenceable data structure

## 7.4.2 Constructor & Destructor Documentation

### 7.4.2.1 BriarDatabase() [1/2]

```
briar.BriarGrpc.BriarDatabase.BriarDatabase ( )  [inline]
```

### 7.4.2.2 BriarDatabase() [2/2]

```
briar.BriarGrpc.BriarDatabase.BriarDatabase (
            BriarDatabase other )  [inline]
```

## 7.4.3 Member Function Documentation

### 7.4.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarDatabase.CalculateSize ( )  [inline]
```

### 7.4.3.2 Clone()

```
BriarDatabase briar.BriarGrpc.BriarDatabase.Clone ( )  [inline]
```

#### 7.4.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarDatabase.Equals (
            BriarDatabase other )  [inline]
```

#### 7.4.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarDatabase.Equals (
            object other )  [inline]
```

#### 7.4.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarDatabase.GetHashCode ( )  [inline]
```

#### 7.4.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarDatabase.MergeFrom (
            BriarDatabase other )  [inline]
```

#### 7.4.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarDatabase.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.4.3.8 ToString()

```
override string briar.BriarGrpc.BriarDatabase.ToString ( )  [inline]
```

#### 7.4.3.9 WriteTo()

```
void briar.BriarGrpc.BriarDatabase.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.4.4 Member Data Documentation

#### 7.4.4.1 NameFieldNumber

```
const int briar.BriarGrpc.BriarDatabase.NameFieldNumber = 1  [static]
```

Field number for the "name" field.

### 7.4.5 Property Documentation

#### 7.4.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarDatabase.Descriptor  [static], [get]
```

#### 7.4.5.2 Name

```
string briar.BriarGrpc.BriarDatabase.Name  [get], [set]
```

An identifier for the gallery

#### 7.4.5.3 Parser

```
pb.MessageParser<BriarDatabase> briar.BriarGrpc.BriarDatabase.Parser  [static], [get]
```

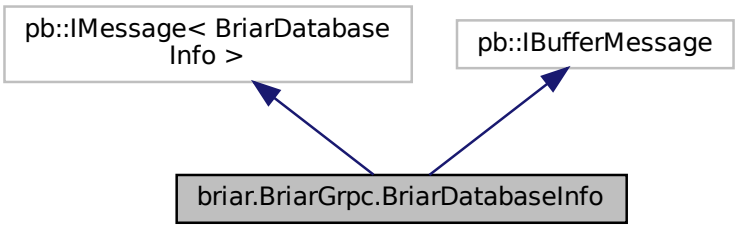
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

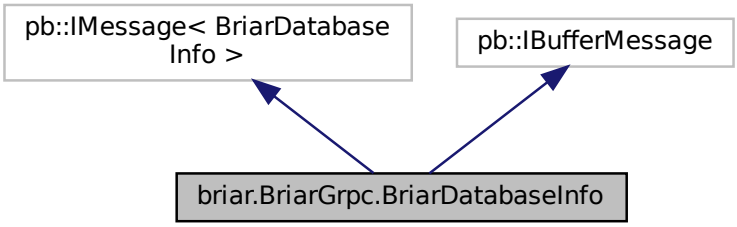
## 7.5 briar.BriarGrpc.BriarDatabaseInfo Class Reference

A message used for reporting information about a specific database

Inheritance diagram for briar.BriarGrpc.BriarDatabaseInfo:




Collaboration diagram for briar.BriarGrpc.BriarDatabaseInfo:




### Public Member Functions

- BriarDatabaseInfo ()
- BriarDatabaseInfo (BriarDatabaseInfo other)
- int CalculateSize ()
- BriarDatabaseInfo Clone ()
- bool Equals (BriarDatabaseInfo other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarDatabaseInfo other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 10

  *Field number for the "attributes" field.*
- const int AverageEntrySizeFieldNumber = 6

  *Field number for the "average_entry_size" field.*
- const int EntryCountFieldNumber = 2

  *Field number for the "entry_count" field.*
- const int EntryIdsFieldNumber = 11

  *Field number for the "entry_ids" field.*
- const int EntrySizesFieldNumber = 13

  *Field number for the "entry_sizes" field.*
- const int FailedEnrollmentCountFieldNumber = 4

  *Field number for the "failed_enrollment_count" field.*
- const int ModalitiesFieldNumber = 9

  *Field number for the "modalities" field.*
- const int NameFieldNumber = 1

  *Field number for the "name" field.*
- const int TemplateCountFieldNumber = 3

  *Field number for the "template_count" field.*
- const int TemplatesPerEntryFieldNumber = 12

  *Field number for the "templates_per_entry" field.*
- const int TotalDatabaseSizeFieldNumber = 5

  *Field number for the "total_database_size" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *OPTIONAL: other attributes that may be custom to a performers*
- float AverageEntrySize `[get, set]`

  *REQUIRED FOR EVALUATION: average size of an entry in KB*
- static pbr::MessageDescriptor Descriptor `[get]`
- long EntryCount `[get, set]`

  *REQUIRED: number of entries in the database*
- pbc::RepeatedField< string > EntryIds `[get]`

  *REQUIRED FOR EVALUATION: Returns a list of all entries (as denoted by their appropriate "entryId" from signature set) contained within the database*
- pbc::RepeatedField< float > EntrySizes `[get]`

  *REQUIRED FOR EVALUATION: return the stored size of each entry in the database (KB) in the same order as entry_ids*
- long FailedEnrollmentCount `[get, set]`

  *REQUIRED: number of failed enrollments into the database*
- pbc::RepeatedField< global::briar.BriarGrpc.BiometricModality > Modalities `[get]`

  *OPTIONAL: modality of the database (could be multiple if the database includes multiple modalities)*
- string Name `[get, set]`

  *REQUIRED: database name*
- static pb::MessageParser< BriarDatabaseInfo > Parser `[get]`
- long TemplateCount `[get, set]`

  *REQUIRED: number of unique templates in the database (could be larger than number of entries)*
- pbc::RepeatedField< int > TemplatesPerEntry `[get]`

  *OPTIONAL : Returns the number of templates used to generate a each entry.*
- float TotalDatabaseSize `[get, set]`

  *REQUIRED FOR EVALUATION: size of database in KB*

### 7.5.1 Detailed Description

A message used for reporting information about a specific database

### 7.5.2 Constructor & Destructor Documentation

#### 7.5.2.1 BriarDatabaseInfo() [1/2]

```
briar.BriarGrpc.BriarDatabaseInfo.BriarDatabaseInfo ( )  [inline]
```

#### 7.5.2.2 BriarDatabaseInfo() [2/2]

```
briar.BriarGrpc.BriarDatabaseInfo.BriarDatabaseInfo (
            BriarDatabaseInfo other )  [inline]
```

### 7.5.3 Member Function Documentation

#### 7.5.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarDatabaseInfo.CalculateSize ( )  [inline]
```

#### 7.5.3.2 Clone()

```
BriarDatabaseInfo briar.BriarGrpc.BriarDatabaseInfo.Clone ( )  [inline]
```

#### 7.5.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarDatabaseInfo.Equals (
            BriarDatabaseInfo other )  [inline]
```

#### 7.5.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarDatabaseInfo.Equals (
            object other )  [inline]
```

#### 7.5.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarDatabaseInfo.GetHashCode ( )  [inline]
```

#### 7.5.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarDatabaseInfo.MergeFrom (
            BriarDatabaseInfo other )  [inline]
```

#### 7.5.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarDatabaseInfo.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.5.3.8 ToString()

```
override string briar.BriarGrpc.BriarDatabaseInfo.ToString ( )  [inline]
```

#### 7.5.3.9 WriteTo()

```
void briar.BriarGrpc.BriarDatabaseInfo.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.5.4 Member Data Documentation

#### 7.5.4.1 AttributesFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.AttributesFieldNumber = 10  [static]
```

Field number for the "attributes" field.

#### 7.5.4.2 AverageEntrySizeFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.AverageEntrySizeFieldNumber = 6  [static]
```

Field number for the "average_entry_size" field.

#### 7.5.4.3 EntryCountFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.EntryCountFieldNumber = 2  [static]
```

Field number for the "entry_count" field.

#### 7.5.4.4 EntryIdsFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.EntryIdsFieldNumber = 11  [static]
```

Field number for the "entry_ids" field.

#### 7.5.4.5 EntrySizesFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.EntrySizesFieldNumber = 13  [static]
```

Field number for the "entry_sizes" field.

#### 7.5.4.6 FailedEnrollmentCountFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.FailedEnrollmentCountFieldNumber = 4  [static]
```

Field number for the "failed_enrollment_count" field.

#### 7.5.4.7 ModalitiesFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.ModalitiesFieldNumber = 9  [static]
```

Field number for the "modalities" field.

#### 7.5.4.8 NameFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.NameFieldNumber = 1  [static]
```

Field number for the "name" field.

#### 7.5.4.9 TemplateCountFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.TemplateCountFieldNumber = 3  [static]
```

Field number for the "template_count" field.

#### 7.5.4.10 TemplatesPerEntryFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.TemplatesPerEntryFieldNumber = 12  [static]
```

Field number for the "templates_per_entry" field.

#### 7.5.4.11 TotalDatabaseSizeFieldNumber

```
const int briar.BriarGrpc.BriarDatabaseInfo.TotalDatabaseSizeFieldNumber = 5  [static]
```

Field number for the "total_database_size" field.

### 7.5.5 Property Documentation

#### 7.5.5.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.BriarDatabaseInfo.Attributes
[get]
```

OPTIONAL: other attributes that may be custom to a performers

#### 7.5.5.2 AverageEntrySize

```
float briar.BriarGrpc.BriarDatabaseInfo.AverageEntrySize  [get], [set]
```

REQUIRED FOR EVALUATION: average size of an entry in KB

#### 7.5.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarDatabaseInfo.Descriptor  [static], [get]
```

#### 7.5.5.4 EntryCount

```
long briar.BriarGrpc.BriarDatabaseInfo.EntryCount  [get], [set]
```

REQUIRED: number of entries in the database

#### 7.5.5.5 EntryIds

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarDatabaseInfo.EntryIds  [get]
```

REQUIRED FOR EVALUATION: Returns a list of all entries (as denoted by their appropriate "entryId" from signature set) contained within the database

#### 7.5.5.6 EntrySizes

```
pbc.RepeatedField<float> briar.BriarGrpc.BriarDatabaseInfo.EntrySizes  [get]
```

REQUIRED FOR EVALUATION: return the stored size of each entry in the database (KB) in the same order as entry_ids

#### 7.5.5.7 FailedEnrollmentCount

```
long briar.BriarGrpc.BriarDatabaseInfo.FailedEnrollmentCount  [get], [set]
```

REQUIRED: number of failed enrollments into the database

#### 7.5.5.8 Modalities

```
pbc.RepeatedField<global.briar.BriarGrpc.BiometricModality> briar.BriarGrpc.BriarDatabase↩
Info.Modalities  [get]
```

OPTIONAL: modality of the database (could be multiple if the database includes multiple modalities)

#### 7.5.5.9 Name

```
string briar.BriarGrpc.BriarDatabaseInfo.Name  [get], [set]
```

REQUIRED: database name

#### 7.5.5.10 Parser

```
pb.MessageParser<BriarDatabaseInfo> briar.BriarGrpc.BriarDatabaseInfo.Parser  [static], [get]
```

#### 7.5.5.11 TemplateCount

```
long briar.BriarGrpc.BriarDatabaseInfo.TemplateCount  [get], [set]
```

REQUIRED: number of unique templates in the database (could be larger than number of entries)

#### 7.5.5.12 TemplatesPerEntry

```
pbc.RepeatedField<int> briar.BriarGrpc.BriarDatabaseInfo.TemplatesPerEntry  [get]
```

OPTIONAL : Returns the number of templates used to generate a each entry.

Should be in the same order as "entry_ids"

#### 7.5.5.13 TotalDatabaseSize

```
float briar.BriarGrpc.BriarDatabaseInfo.TotalDatabaseSize  [get], [set]
```

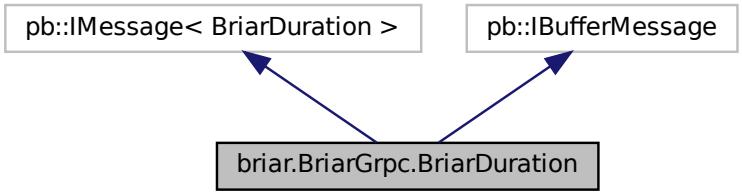
REQUIRED FOR EVALUATION: size of database in KB

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

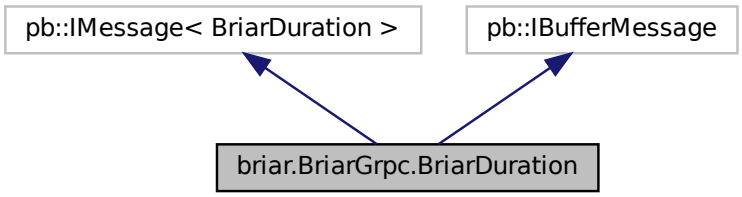
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.6 briar.BriarGrpc.BriarDuration Class Reference

Inheritance diagram for briar.BriarGrpc.BriarDuration:




Collaboration diagram for briar.BriarGrpc.BriarDuration:




### Public Member Functions

- BriarDuration ()
- BriarDuration (BriarDuration other)
- int CalculateSize ()
- BriarDuration Clone ()
- bool Equals (BriarDuration other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarDuration other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int EndFieldNumber = 2

  *Field number for the "end" field.*
- const int StartFieldNumber = 1

  *Field number for the "start" field.*

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- double End `[get, set]`

  *start time of process in Seconds Since the Epoch (SSTE)*
- static pb::MessageParser< BriarDuration > Parser `[get]`
- double Start `[get, set]`

  *start time of process in Seconds Since the Epoch (SSTE)*

## 7.6.1 Constructor & Destructor Documentation

#### 7.6.1.1 BriarDuration() [1/2]

```
briar.BriarGrpc.BriarDuration.BriarDuration ( )  [inline]
```

#### 7.6.1.2 BriarDuration() [2/2]

```
briar.BriarGrpc.BriarDuration.BriarDuration (
            BriarDuration other )  [inline]
```

## 7.6.2 Member Function Documentation

#### 7.6.2.1 CalculateSize()

```
int briar.BriarGrpc.BriarDuration.CalculateSize ( )  [inline]
```

#### 7.6.2.2 Clone()

```
BriarDuration briar.BriarGrpc.BriarDuration.Clone ( )  [inline]
```

#### 7.6.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarDuration.Equals (
            BriarDuration other )  [inline]
```

#### 7.6.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarDuration.Equals (
            object other )  [inline]
```

#### 7.6.2.5 GetHashCode()

```
override int briar.BriarGrpc.BriarDuration.GetHashCode ( )  [inline]
```

#### 7.6.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarDuration.MergeFrom (
            BriarDuration other )  [inline]
```

#### 7.6.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarDuration.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.6.2.8 ToString()

```
override string briar.BriarGrpc.BriarDuration.ToString ( )  [inline]
```

#### 7.6.2.9 WriteTo()

```
void briar.BriarGrpc.BriarDuration.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.6.3 Member Data Documentation

#### 7.6.3.1 EndFieldNumber

```
const int briar.BriarGrpc.BriarDuration.EndFieldNumber = 2  [static]
```

Field number for the "end" field.

#### 7.6.3.2 StartFieldNumber

```
const int briar.BriarGrpc.BriarDuration.StartFieldNumber = 1  [static]
```

Field number for the "start" field.

### 7.6.4 Property Documentation

#### 7.6.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarDuration.Descriptor  [static], [get]
```

#### 7.6.4.2 End

```
double briar.BriarGrpc.BriarDuration.End  [get], [set]
```

start time of process in Seconds Since the Epoch (SSTE)

#### 7.6.4.3 Parser

```
pb.MessageParser<BriarDuration> briar.BriarGrpc.BriarDuration.Parser  [static], [get]
```

#### 7.6.4.4 Start

```
double briar.BriarGrpc.BriarDuration.Start  [get], [set]
```

start time of process in Seconds Since the Epoch (SSTE)

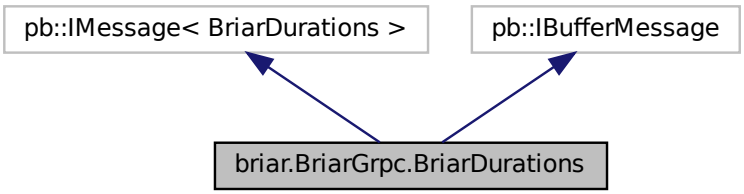
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

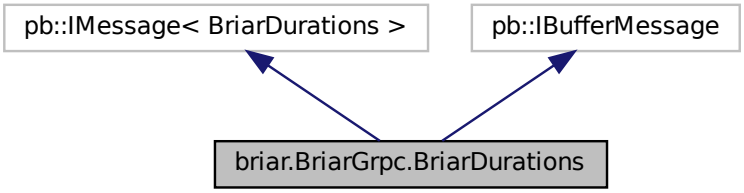
## 7.7 briar.BriarGrpc.BriarDurations Class Reference

Data structure to contain timing information for BRIAR functions.

Inheritance diagram for briar.BriarGrpc.BriarDurations:




Collaboration diagram for briar.BriarGrpc.BriarDurations:




### Public Member Functions

- BriarDurations ()
- BriarDurations (BriarDurations other)
- int CalculateSize ()
- BriarDurations Clone ()
- bool Equals (BriarDurations other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarDurations other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ClientDurationFileLevelFieldNumber = 1

  *Field number for the "client_duration_file_level" field.*
- const int ClientDurationFrameLevelFieldNumber = 2

  *Field number for the "client_duration_frame_level" field.*
- const int GrpcInboundTransferDurationFieldNumber = 4

  *Field number for the "grpc_inbound_transfer_duration" field.*
- const int GrpcOutboundTransferDurationFieldNumber = 3

  *Field number for the "grpc_outbound_transfer_duration" field.*
- const int ServiceDurationFieldNumber = 5

  *Field number for the "service_duration" field.*
- const int SubDurationsFieldNumber = 6

  *Field number for the "sub_durations" field.*
- const int TotalDurationFieldNumber = 7

  *Field number for the "total_duration" field.*

## Properties

- global::briar.BriarGrpc.BriarDuration ClientDurationFileLevel `[get, set]`

  *This will always be populated with the duration taken by the BRIAR API client for the file-level operations*
- global::briar.BriarGrpc.BriarDuration ClientDurationFrameLevel `[get, set]`

  *This will always be populated with the duration taken by the BRIAR API client for the frame-level operations*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDuration GrpcInboundTransferDuration `[get, set]`

  *This will always be populated by the duration taken to perform the inbound API data response across the gRPC channel*
- global::briar.BriarGrpc.BriarDuration GrpcOutboundTransferDuration `[get, set]`

  *This will always be populated by the duration taken to perform the outbound API request across the gRPC channel*
- static pb::MessageParser< BriarDurations > Parser `[get]`
- global::briar.BriarGrpc.BriarDuration ServiceDuration `[get, set]`
- pbc::MapField< string, global::briar.BriarGrpc.BriarDuration > SubDurations `[get]`

  *A list of timings of subroutines within a function*
- global::briar.BriarGrpc.BriarDuration TotalDuration `[get, set]`

  *The total time in microseconds it took to execute the function*

### 7.7.1 Detailed Description

Data structure to contain timing information for BRIAR functions.

All timing information is in microseconds

### 7.7.2 Constructor & Destructor Documentation

#### 7.7.2.1 BriarDurations() [1/2]

```
briar.BriarGrpc.BriarDurations.BriarDurations ( )  [inline]
```

#### 7.7.2.2 BriarDurations() [2/2]

```
briar.BriarGrpc.BriarDurations.BriarDurations (
            BriarDurations other )  [inline]
```

### 7.7.3 Member Function Documentation

#### 7.7.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarDurations.CalculateSize ( )  [inline]
```

#### 7.7.3.2 Clone()

```
BriarDurations briar.BriarGrpc.BriarDurations.Clone ( )  [inline]
```

#### 7.7.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarDurations.Equals (
            BriarDurations other )  [inline]
```

#### 7.7.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarDurations.Equals (
            object other )  [inline]
```

#### 7.7.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarDurations.GetHashCode ( )  [inline]
```

#### 7.7.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarDurations.MergeFrom (
            BriarDurations other )  [inline]
```

#### 7.7.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarDurations.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.7.3.8 ToString()

```
override string briar.BriarGrpc.BriarDurations.ToString ( )  [inline]
```

#### 7.7.3.9 WriteTo()

```
void briar.BriarGrpc.BriarDurations.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.7.4 Member Data Documentation

#### 7.7.4.1 ClientDurationFileLevelFieldNumber

```
const int briar.BriarGrpc.BriarDurations.ClientDurationFileLevelFieldNumber = 1  [static]
```

Field number for the "client_duration_file_level" field.

#### 7.7.4.2 ClientDurationFrameLevelFieldNumber

```
const int briar.BriarGrpc.BriarDurations.ClientDurationFrameLevelFieldNumber = 2  [static]
```

Field number for the "client_duration_frame_level" field.

#### 7.7.4.3 GrpcInboundTransferDurationFieldNumber

```
const int briar.BriarGrpc.BriarDurations.GrpcInboundTransferDurationFieldNumber = 4  [static]
```

Field number for the "grpc_inbound_transfer_duration" field.

#### 7.7.4.4 GrpcOutboundTransferDurationFieldNumber

```
const int briar.BriarGrpc.BriarDurations.GrpcOutboundTransferDurationFieldNumber = 3  [static]
```

Field number for the "grpc_outbound_transfer_duration" field.

#### 7.7.4.5 ServiceDurationFieldNumber

```
const int briar.BriarGrpc.BriarDurations.ServiceDurationFieldNumber = 5  [static]
```

Field number for the "service_duration" field.

#### 7.7.4.6 SubDurationsFieldNumber

```
const int briar.BriarGrpc.BriarDurations.SubDurationsFieldNumber = 6  [static]
```

Field number for the "sub_durations" field.

#### 7.7.4.7 TotalDurationFieldNumber

```
const int briar.BriarGrpc.BriarDurations.TotalDurationFieldNumber = 7  [static]
```

Field number for the "total_duration" field.

### 7.7.5 Property Documentation

#### 7.7.5.1 ClientDurationFileLevel

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.ClientDurationFileLevel
[get], [set]
```

This will always be populated with the duration taken by the BRIAR API client for the file-level operations

#### 7.7.5.2 ClientDurationFrameLevel

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.ClientDurationFrameLevel
[get], [set]
```

This will always be populated with the duration taken by the BRIAR API client for the frame-level operations

#### 7.7.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarDurations.Descriptor  [static], [get]
```

#### 7.7.5.4 GrpcInboundTransferDuration

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.GrpcInboundTransfer↩
Duration  [get], [set]
```

This will always be populated by the duration taken to perform the inbound API data response across the gRPC channel

#### 7.7.5.5 GrpcOutboundTransferDuration

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.GrpcOutboundTransfer↩
Duration  [get], [set]
```

This will always be populated by the duration taken to perform the outbound API request across the gRPC channel

#### 7.7.5.6 Parser

```
pb.MessageParser<BriarDurations> briar.BriarGrpc.BriarDurations.Parser  [static], [get]
```

#### 7.7.5.7 ServiceDuration

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.ServiceDuration  [get],
[set]
```

#### 7.7.5.8 SubDurations

```
pbc.MapField<string, global.briar.BriarGrpc.BriarDuration> briar.BriarGrpc.BriarDurations.↩
SubDurations [get]
```

A list of timings of subroutines within a function

#### 7.7.5.9 TotalDuration

```
global.briar.BriarGrpc.BriarDuration briar.BriarGrpc.BriarDurations.TotalDuration [get], [set]
```

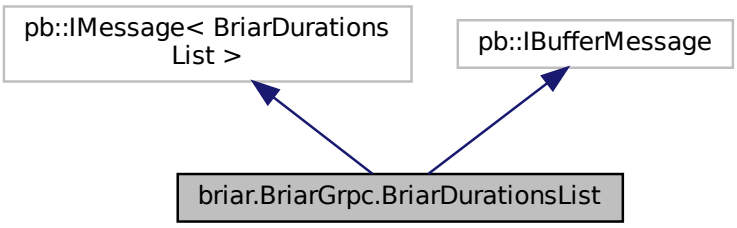
The total time in microseconds it took to execute the function

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

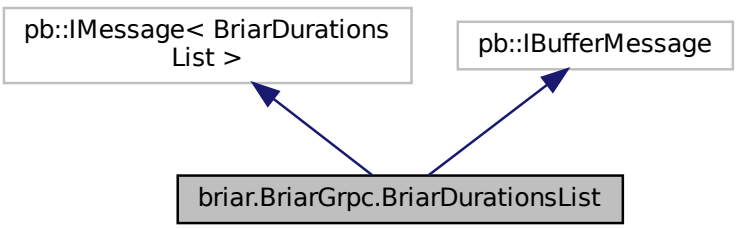
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.8 briar.BriarGrpc.BriarDurationsList Class Reference

Inheritance diagram for briar.BriarGrpc.BriarDurationsList:




Collaboration diagram for briar.BriarGrpc.BriarDurationsList:



## Public Member Functions

- BriarDurationsList ()
- BriarDurationsList (BriarDurationsList other)
- int CalculateSize ()
- BriarDurationsList Clone ()
- bool Equals (BriarDurationsList other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarDurationsList other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsListFieldNumber = 1

  *Field number for the "durations_list" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.BriarDurations > DurationsList `[get]`
- static pb::MessageParser< BriarDurationsList > Parser `[get]`

### 7.8.1 Constructor & Destructor Documentation

#### 7.8.1.1 BriarDurationsList() [1/2]

```
briar.BriarGrpc.BriarDurationsList.BriarDurationsList ( )  [inline]
```

#### 7.8.1.2 BriarDurationsList() [2/2]

```
briar.BriarGrpc.BriarDurationsList.BriarDurationsList (
            BriarDurationsList other )  [inline]
```

### 7.8.2 Member Function Documentation

#### 7.8.2.1 CalculateSize()

```
int briar.BriarGrpc.BriarDurationsList.CalculateSize ( )  [inline]
```

#### 7.8.2.2 Clone()

```
BriarDurationsList briar.BriarGrpc.BriarDurationsList.Clone ( )  [inline]
```

#### 7.8.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarDurationsList.Equals (
            BriarDurationsList other )  [inline]
```

#### 7.8.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarDurationsList.Equals (
            object other )  [inline]
```

#### 7.8.2.5 GetHashCode()

```
override int briar.BriarGrpc.BriarDurationsList.GetHashCode ( )  [inline]
```

#### 7.8.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarDurationsList.MergeFrom (
            BriarDurationsList other )  [inline]
```

#### 7.8.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarDurationsList.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.8.2.8 ToString()

```
override string briar.BriarGrpc.BriarDurationsList.ToString ( )  [inline]
```

#### 7.8.2.9 WriteTo()

```
void briar.BriarGrpc.BriarDurationsList.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.8.3 Member Data Documentation

#### 7.8.3.1 DurationsListFieldNumber

```
const int briar.BriarGrpc.BriarDurationsList.DurationsListFieldNumber = 1  [static]
```

Field number for the "durations_list" field.

### 7.8.4 Property Documentation

#### 7.8.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarDurationsList.Descriptor  [static], [get]
```

#### 7.8.4.2 DurationsList

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarDurations> briar.BriarGrpc.BriarDurationsList.↩
DurationsList  [get]
```

#### 7.8.4.3 Parser

```
pb.MessageParser<BriarDurationsList> briar.BriarGrpc.BriarDurationsList.Parser  [static],
[get]
```

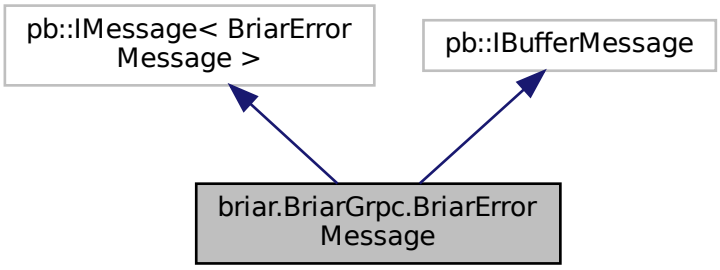
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

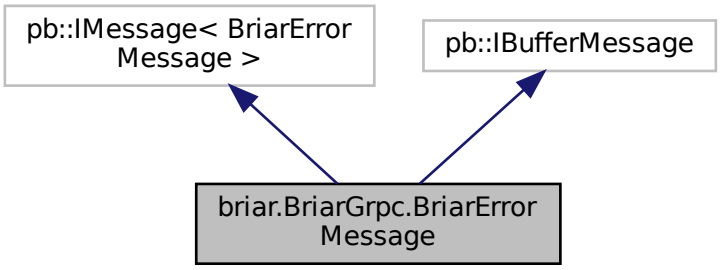
## 7.9 briar.BriarGrpc.BriarErrorMessage Class Reference

Human readable Error message with code

Inheritance diagram for briar.BriarGrpc.BriarErrorMessage:




Collaboration diagram for briar.BriarGrpc.BriarErrorMessage:




### Public Member Functions

- BriarErrorMessage ()
- BriarErrorMessage (BriarErrorMessage other)
- int CalculateSize ()
- BriarErrorMessage Clone ()
- bool Equals (BriarErrorMessage other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarErrorMessage other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ErrorCodeFieldNumber = 1

  *Field number for the "error_code" field.*
- const int ErrorMessageFieldNumber = 2

  *Field number for the "error_message" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- int ErrorCode `[get, set]`

  *Error Code*
- string ErrorMessage `[get, set]`

  *Human readable string*
- static pb::MessageParser< BriarErrorMessage > Parser `[get]`

### 7.9.1 Detailed Description

Human readable Error message with code

### 7.9.2 Constructor & Destructor Documentation

#### 7.9.2.1 BriarErrorMessage() [1/2]

```
briar.BriarGrpc.BriarErrorMessage.BriarErrorMessage ( )  [inline]
```

#### 7.9.2.2 BriarErrorMessage() [2/2]

```
briar.BriarGrpc.BriarErrorMessage.BriarErrorMessage (
            BriarErrorMessage other )  [inline]
```

### 7.9.3 Member Function Documentation

#### 7.9.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarErrorMessage.CalculateSize ( )  [inline]
```

#### 7.9.3.2 Clone()

```
BriarErrorMessage briar.BriarGrpc.BriarErrorMessage.Clone ( )  [inline]
```

#### 7.9.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarErrorMessage.Equals (
            BriarErrorMessage other )  [inline]
```

#### 7.9.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarErrorMessage.Equals (
            object other )  [inline]
```

#### 7.9.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarErrorMessage.GetHashCode ( )  [inline]
```

#### 7.9.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarErrorMessage.MergeFrom (
            BriarErrorMessage other )  [inline]
```

#### 7.9.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarErrorMessage.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.9.3.8 ToString()

```
override string briar.BriarGrpc.BriarErrorMessage.ToString ( )  [inline]
```

#### 7.9.3.9 WriteTo()

```
void briar.BriarGrpc.BriarErrorMessage.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.9.4 Member Data Documentation

#### 7.9.4.1 ErrorCodeFieldNumber

```
const int briar.BriarGrpc.BriarErrorMessage.ErrorCodeFieldNumber = 1  [static]
```

Field number for the "error_code" field.

#### 7.9.4.2 ErrorMessageFieldNumber

```
const int briar.BriarGrpc.BriarErrorMessage.ErrorMessageFieldNumber = 2  [static]
```

Field number for the "error_message" field.

### 7.9.5 Property Documentation

#### 7.9.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarErrorMessage.Descriptor  [static], [get]
```

#### 7.9.5.2 ErrorCode

```
int briar.BriarGrpc.BriarErrorMessage.ErrorCode  [get], [set]
```

Error Code

#### 7.9.5.3 ErrorMessage

```
string briar.BriarGrpc.BriarErrorMessage.ErrorMessage  [get], [set]
```

Human readable string

#### 7.9.5.4 Parser

```
pb.MessageParser<BriarErrorMessage> briar.BriarGrpc.BriarErrorMessage.Parser  [static], [get]
```

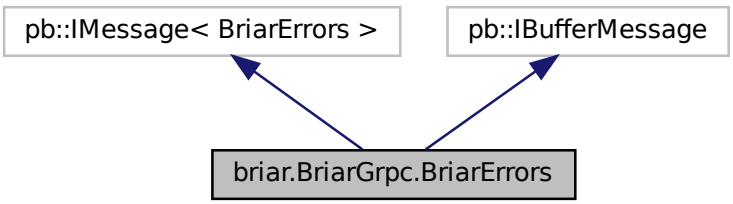
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarError.cs

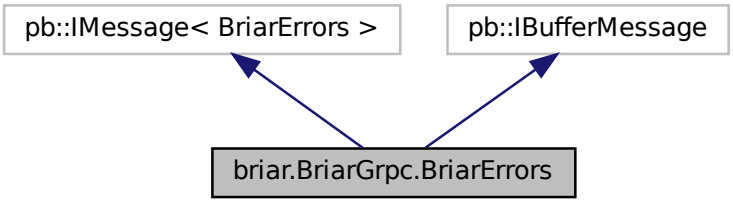
## 7.10 briar.BriarGrpc.BriarErrors Class Reference

List of errors

Inheritance diagram for briar.BriarGrpc.BriarErrors:




Collaboration diagram for briar.BriarGrpc.BriarErrors:




### Public Member Functions

- BriarErrors ()
- BriarErrors (BriarErrors other)
- int CalculateSize ()
- BriarErrors Clone ()
- bool Equals (BriarErrors other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarErrors other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ErrorsFieldNumber = 1

  *Field number for the "errors" field.*
- const int LengthFieldNumber = 2

  *Field number for the "length" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.BriarError > Errors `[get]`

  *Error codes*
- int Length `[get, set]`

  *Number of Error codes*
- static pb::MessageParser< BriarErrors > Parser `[get]`

### 7.10.1 Detailed Description

List of errors

### 7.10.2 Constructor & Destructor Documentation

#### 7.10.2.1 BriarErrors() [1/2]

```
briar.BriarGrpc.BriarErrors.BriarErrors ( )  [inline]
```

#### 7.10.2.2 BriarErrors() [2/2]

```
briar.BriarGrpc.BriarErrors.BriarErrors (
            BriarErrors other )  [inline]
```

### 7.10.3 Member Function Documentation

#### 7.10.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarErrors.CalculateSize ( )  [inline]
```

#### 7.10.3.2 Clone()

```
BriarErrors briar.BriarGrpc.BriarErrors.Clone ( )  [inline]
```

#### 7.10.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarErrors.Equals (
            BriarErrors other )  [inline]
```

#### 7.10.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarErrors.Equals (
            object other )  [inline]
```

#### 7.10.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarErrors.GetHashCode ( )  [inline]
```

#### 7.10.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarErrors.MergeFrom (
            BriarErrors other )  [inline]
```

#### 7.10.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarErrors.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.10.3.8 ToString()

```
override string briar.BriarGrpc.BriarErrors.ToString ( )  [inline]
```

#### 7.10.3.9 WriteTo()

```
void briar.BriarGrpc.BriarErrors.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.10.4 Member Data Documentation

#### 7.10.4.1 ErrorsFieldNumber

```
const int briar.BriarGrpc.BriarErrors.ErrorsFieldNumber = 1  [static]
```

Field number for the "errors" field.

#### 7.10.4.2 LengthFieldNumber

```
const int briar.BriarGrpc.BriarErrors.LengthFieldNumber = 2  [static]
```

Field number for the "length" field.

### 7.10.5 Property Documentation

#### 7.10.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarErrors.Descriptor  [static], [get]
```

#### 7.10.5.2 Errors

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarError> briar.BriarGrpc.BriarErrors.Errors  [get]
```

Error codes

#### 7.10.5.3 Length

```
int briar.BriarGrpc.BriarErrors.Length  [get], [set]
```

Number of Error codes

#### 7.10.5.4 Parser

```
pb.MessageParser<BriarErrors> briar.BriarGrpc.BriarErrors.Parser  [static], [get]
```

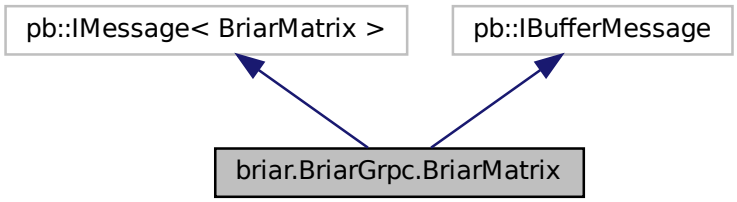
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarError.cs

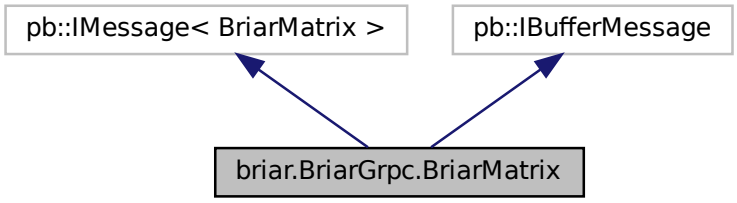
## 7.11 briar.BriarGrpc.BriarMatrix Class Reference

message to hold a vector of vectors

Inheritance diagram for briar.BriarGrpc.BriarMatrix:




Collaboration diagram for briar.BriarGrpc.BriarMatrix:




### Public Member Functions

- BriarMatrix ()
- BriarMatrix (BriarMatrix other)
- int CalculateSize ()
- BriarMatrix Clone ()
- bool Equals (BriarMatrix other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarMatrix other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ColumnAttributesFieldNumber = 7

  *Field number for the "column_attributes" field.*
- const int ColumnHeadersFieldNumber = 1

  *Field number for the "column_headers" field.*
- const int ColumnHeadersIntegerFieldNumber = 3

  *Field number for the "column_headers_integer" field.*
- const int ColumnSourcesFieldNumber = 5

  *Field number for the "column_sources" field.*
- const int RowAttributesFieldNumber = 8

  *Field number for the "row_attributes" field.*
- const int RowHeadersFieldNumber = 2

  *Field number for the "row_headers" field.*
- const int RowHeadersIntegerFieldNumber = 4

  *Field number for the "row_headers_integer" field.*
- const int RowsFieldNumber = 9

  *Field number for the "rows" field.*
- const int RowSourcesFieldNumber = 6

  *Field number for the "row_sources" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > ColumnAttributes `[get]`
- pbc::RepeatedField< string > ColumnHeaders `[get]`

  *Optional: headers for each column*
- pbc::RepeatedField< int > ColumnHeadersInteger `[get]`

  *Optional: integer headers for each column*
- pbc::RepeatedField< string > ColumnSources `[get]`

  *Optional: sources for each column*
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< BriarMatrix > Parser `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > RowAttributes `[get]`
- pbc::RepeatedField< string > RowHeaders `[get]`

  *Optional: headers for each row*
- pbc::RepeatedField< int > RowHeadersInteger `[get]`

  *Optional: integer headers for each row*
- pbc::RepeatedField< global::briar.BriarGrpc.BriarVector > Rows `[get]`

  *arbitrary length array of vectors to store row*
- pbc::RepeatedField< string > RowSources `[get]`

  *Optional: sources for each row*

### 7.11.1 Detailed Description

message to hold a vector of vectors

### 7.11.2 Constructor & Destructor Documentation

#### 7.11.2.1 BriarMatrix() [1/2]

```
briar.BriarGrpc.BriarMatrix.BriarMatrix ( )  [inline]
```

#### 7.11.2.2 BriarMatrix() [2/2]

```
briar.BriarGrpc.BriarMatrix.BriarMatrix (
            BriarMatrix other )  [inline]
```

### 7.11.3 Member Function Documentation

#### 7.11.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarMatrix.CalculateSize ( )  [inline]
```

#### 7.11.3.2 Clone()

```
BriarMatrix briar.BriarGrpc.BriarMatrix.Clone ( )  [inline]
```

#### 7.11.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarMatrix.Equals (
            BriarMatrix other )  [inline]
```

#### 7.11.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarMatrix.Equals (
            object other )  [inline]
```

#### 7.11.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarMatrix.GetHashCode ( )  [inline]
```

#### 7.11.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarMatrix.MergeFrom (
            BriarMatrix other )  [inline]
```

#### 7.11.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarMatrix.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.11.3.8 ToString()

```
override string briar.BriarGrpc.BriarMatrix.ToString ( )  [inline]
```

#### 7.11.3.9 WriteTo()

```
void briar.BriarGrpc.BriarMatrix.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.11.4 Member Data Documentation

#### 7.11.4.1 ColumnAttributesFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.ColumnAttributesFieldNumber = 7  [static]
```

Field number for the "column_attributes" field.

#### 7.11.4.2 ColumnHeadersFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.ColumnHeadersFieldNumber = 1  [static]
```

Field number for the "column_headers" field.

#### 7.11.4.3 ColumnHeadersIntegerFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.ColumnHeadersIntegerFieldNumber = 3  [static]
```

Field number for the "column_headers_integer" field.

#### 7.11.4.4 ColumnSourcesFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.ColumnSourcesFieldNumber = 5  [static]
```

Field number for the "column_sources" field.

#### 7.11.4.5 RowAttributesFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.RowAttributesFieldNumber = 8  [static]
```

Field number for the "row_attributes" field.

#### 7.11.4.6 RowHeadersFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.RowHeadersFieldNumber = 2  [static]
```

Field number for the "row_headers" field.

#### 7.11.4.7 RowHeadersIntegerFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.RowHeadersIntegerFieldNumber = 4  [static]
```

Field number for the "row_headers_integer" field.

#### 7.11.4.8 RowsFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.RowsFieldNumber = 9  [static]
```

Field number for the "rows" field.

#### 7.11.4.9 RowSourcesFieldNumber

```
const int briar.BriarGrpc.BriarMatrix.RowSourcesFieldNumber = 6  [static]
```

Field number for the "row_sources" field.

### 7.11.5 Property Documentation

#### 7.11.5.1 ColumnAttributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.BriarMatrix.ColumnAttributes
[get]
```

#### 7.11.5.2 ColumnHeaders

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarMatrix.ColumnHeaders  [get]
```

Optional: headers for each column

#### 7.11.5.3 ColumnHeadersInteger

```
pbc.RepeatedField<int> briar.BriarGrpc.BriarMatrix.ColumnHeadersInteger  [get]
```

Optional: integer headers for each column

#### 7.11.5.4 ColumnSources

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarMatrix.ColumnSources  [get]
```

Optional: sources for each column

#### 7.11.5.5 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarMatrix.Descriptor  [static], [get]
```

#### 7.11.5.6 Parser

```
pb.MessageParser<BriarMatrix> briar.BriarGrpc.BriarMatrix.Parser  [static], [get]
```

#### 7.11.5.7 RowAttributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.BriarMatrix.RowAttributes
[get]
```

#### 7.11.5.8 RowHeaders

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarMatrix.RowHeaders  [get]
```

Optional: headers for each row

#### 7.11.5.9 RowHeadersInteger

```
pbc.RepeatedField<int> briar.BriarGrpc.BriarMatrix.RowHeadersInteger  [get]
```

Optional: integer headers for each row

#### 7.11.5.10 Rows

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarVector> briar.BriarGrpc.BriarMatrix.Rows  [get]
```

arbitrary length array of vectors to store row

#### 7.11.5.11 RowSources

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarMatrix.RowSources  [get]
```

Optional: sources for each row

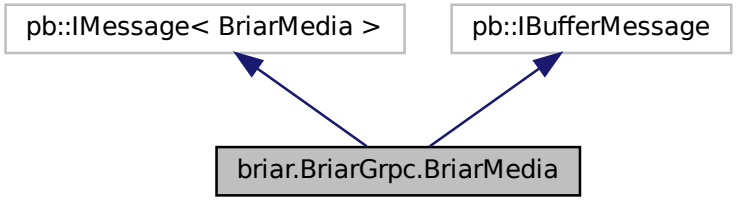
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

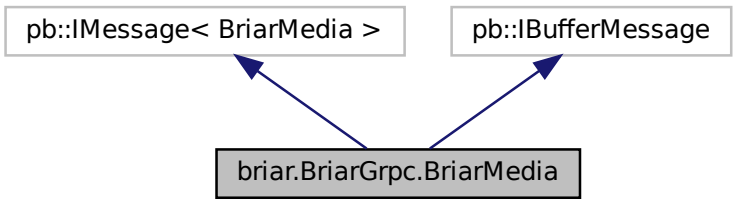
## 7.12 briar.BriarGrpc.BriarMedia Class Reference

Media

Inheritance diagram for briar.BriarGrpc.BriarMedia:




Collaboration diagram for briar.BriarGrpc.BriarMedia:




### Classes

- class **Types**

  *Container for nested types declared in the BriarMedia message type.*

### Public Member Functions

- BriarMedia ()
- BriarMedia (BriarMedia other)
- int CalculateSize ()
- BriarMedia Clone ()
- bool Equals (BriarMedia other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarMedia other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ChannelsFieldNumber = 3

  *Field number for the "channels" field.*
- const int DataFieldNumber = 13

  *Field number for the "data" field.*
- const int DatetimeFieldNumber = 17

  *Field number for the "datetime" field.*
- const int DescriptionFieldNumber = 16

  *Field number for the "description" field.*
- const int FrameCountFieldNumber = 4

  *Field number for the "frame_count" field.*
- const int FrameEndFieldNumber = 6

  *Field number for the "frame_end" field.*
- const int FrameNumberFieldNumber = 10

  *Field number for the "frame_number" field.*
- const int FrameRateFieldNumber = 7

  *Field number for the "frame_rate" field.*
- const int FrameStartFieldNumber = 5

  *Field number for the "frame_start" field.*
- const int HeightFieldNumber = 2

  *Field number for the "height" field.*
- const int IsCroppedFieldNumber = 18

  *Field number for the "isCropped" field.*
- const int MetadataFieldNumber = 19

  *Field number for the "metadata" field.*
- const int SegmentIdFieldNumber = 8

  *Field number for the "segment_id" field.*
- const int SegmentTotalFieldNumber = 9

  *Field number for the "segment_total" field.*
- const int ServersideSourceFieldNumber = 15

  *Field number for the "serverside_source" field.*
- const int SourceFieldNumber = 14

  *Field number for the "source" field.*
- const int SourceTypeFieldNumber = 12

  *Field number for the "source_type" field.*
- const int TypeFieldNumber = 11

  *Field number for the "type" field.*
- const int WidthFieldNumber = 1

  *Field number for the "width" field.*

## Properties

- int Channels `[get, set]`

  *Number of color layers*
- pb::ByteString Data `[get, set]`

  *Array of bytes containing media data.*
- string Datetime `[get, set]`

  *Optional: timestamp for tracking purposes*
- string Description `[get, set]`

*Human friendly String to document image*

- static pbr::MessageDescriptor Descriptor `[get]`
- int FrameCount `[get, set]`

  *Number of frames in this media message*
- int FrameEnd `[get, set]`

  *End frame of media*
- int FrameNumber `[get, set]`

  *If this is a single frame of a video, this denotes the frame number*
- float FrameRate `[get, set]`

  *Framerate in frames/second*
- int FrameStart `[get, set]`

  *Start frame of media*
- int Height `[get, set]`

  *Height of img in px*
- bool IsCropped `[get, set]`

  *Optional: A boolean to specify if the given media file is pre-cropped or full*
- pbc::RepeatedField< global::briar.BriarGrpc.MediaMetadata > Metadata `[get]`

  *Optional metadata for the entire media stream;*
- static pb::MessageParser< BriarMedia > Parser `[get]`
- int SegmentId `[get, set]`

  *A number identifying the segment in a stream of media*
- int SegmentTotal `[get, set]`

  *A number specifying the total number of segments to expect.*
- string ServersideSource `[get, set]`

  *A string describing the media location if it presides on the server side (i.e.*
- string Source `[get, set]`

  *A string describing the source of the media (url,filepath,etc.)*
- global::briar.BriarGrpc.BriarMedia.Types.DataType SourceType `[get, set]`

  *Data type of the source of the media (e.g.*
- global::briar.BriarGrpc.BriarMedia.Types.DataType Type `[get, set]`

  *Data type of the media data*
- int Width `[get, set]`

  *Width of img in px*

## 7.12.1 Detailed Description

Media

## 7.12.2 Constructor & Destructor Documentation

### 7.12.2.1 BriarMedia() `[1/2]`

```
briar.BriarGrpc.BriarMedia.BriarMedia ( )  [inline]
```

#### 7.12.2.2 BriarMedia() [2/2]

```
briar.BriarGrpc.BriarMedia.BriarMedia (
            BriarMedia other )  [inline]
```

### 7.12.3 Member Function Documentation

#### 7.12.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarMedia.CalculateSize ( )  [inline]
```

#### 7.12.3.2 Clone()

```
BriarMedia briar.BriarGrpc.BriarMedia.Clone ( )  [inline]
```

#### 7.12.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarMedia.Equals (
            BriarMedia other )  [inline]
```

#### 7.12.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarMedia.Equals (
            object other )  [inline]
```

#### 7.12.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarMedia.GetHashCode ( )  [inline]
```

#### 7.12.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarMedia.MergeFrom (
            BriarMedia other )  [inline]
```

#### 7.12.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarMedia.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.12.3.8 ToString()

```
override string briar.BriarGrpc.BriarMedia.ToString ( )  [inline]
```

#### 7.12.3.9 WriteTo()

```
void briar.BriarGrpc.BriarMedia.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.12.4 Member Data Documentation

#### 7.12.4.1 ChannelsFieldNumber

```
const int briar.BriarGrpc.BriarMedia.ChannelsFieldNumber = 3  [static]
```

Field number for the "channels" field.

#### 7.12.4.2 DataFieldNumber

```
const int briar.BriarGrpc.BriarMedia.DataFieldNumber = 13  [static]
```

Field number for the "data" field.

#### 7.12.4.3 DatetimeFieldNumber

```
const int briar.BriarGrpc.BriarMedia.DatetimeFieldNumber = 17  [static]
```

Field number for the "datetime" field.

#### 7.12.4.4 DescriptionFieldNumber

```
const int briar.BriarGrpc.BriarMedia.DescriptionFieldNumber = 16  [static]
```

Field number for the "description" field.

#### 7.12.4.5 FrameCountFieldNumber

```
const int briar.BriarGrpc.BriarMedia.FrameCountFieldNumber = 4  [static]
```

Field number for the "frame_count" field.

#### 7.12.4.6 FrameEndFieldNumber

```
const int briar.BriarGrpc.BriarMedia.FrameEndFieldNumber = 6  [static]
```

Field number for the "frame_end" field.

#### 7.12.4.7 FrameNumberFieldNumber

```
const int briar.BriarGrpc.BriarMedia.FrameNumberFieldNumber = 10  [static]
```

Field number for the "frame_number" field.

#### 7.12.4.8 FrameRateFieldNumber

```
const int briar.BriarGrpc.BriarMedia.FrameRateFieldNumber = 7  [static]
```

Field number for the "frame_rate" field.

#### 7.12.4.9 FrameStartFieldNumber

```
const int briar.BriarGrpc.BriarMedia.FrameStartFieldNumber = 5  [static]
```

Field number for the "frame_start" field.

#### 7.12.4.10 HeightFieldNumber

```
const int briar.BriarGrpc.BriarMedia.HeightFieldNumber = 2  [static]
```

Field number for the "height" field.

#### 7.12.4.11 IsCroppedFieldNumber

```
const int briar.BriarGrpc.BriarMedia.IsCroppedFieldNumber = 18  [static]
```

Field number for the "isCropped" field.

#### 7.12.4.12 MetadataFieldNumber

```
const int briar.BriarGrpc.BriarMedia.MetadataFieldNumber = 19  [static]
```

Field number for the "metadata" field.

#### 7.12.4.13 SegmentIdFieldNumber

```
const int briar.BriarGrpc.BriarMedia.SegmentIdFieldNumber = 8  [static]
```

Field number for the "segment_id" field.

#### 7.12.4.14 SegmentTotalFieldNumber

```
const int briar.BriarGrpc.BriarMedia.SegmentTotalFieldNumber = 9  [static]
```

Field number for the "segment_total" field.

#### 7.12.4.15 ServersideSourceFieldNumber

```
const int briar.BriarGrpc.BriarMedia.ServersideSourceFieldNumber = 15  [static]
```

Field number for the "serverside_source" field.

#### 7.12.4.16 SourceFieldNumber

```
const int briar.BriarGrpc.BriarMedia.SourceFieldNumber = 14  [static]
```

Field number for the "source" field.

#### 7.12.4.17 SourceTypeFieldNumber

```
const int briar.BriarGrpc.BriarMedia.SourceTypeFieldNumber = 12  [static]
```

Field number for the "source_type" field.

#### 7.12.4.18 TypeFieldNumber

```
const int briar.BriarGrpc.BriarMedia.TypeFieldNumber = 11  [static]
```

Field number for the "type" field.

#### 7.12.4.19 WidthFieldNumber

```
const int briar.BriarGrpc.BriarMedia.WidthFieldNumber = 1  [static]
```

Field number for the "width" field.

### 7.12.5 Property Documentation

#### 7.12.5.1 Channels

```
int briar.BriarGrpc.BriarMedia.Channels  [get], [set]
```

Number of color layers

#### 7.12.5.2 Data

```
pb.ByteString briar.BriarGrpc.BriarMedia.Data  [get], [set]
```

Array of bytes containing media data.

If raw color data it should be in RGB/RGBA order.

#### 7.12.5.3 Datetime

```
string briar.BriarGrpc.BriarMedia.Datetime  [get], [set]
```

Optional: timestamp for tracking purposes

#### 7.12.5.4 Description

```
string briar.BriarGrpc.BriarMedia.Description  [get], [set]
```

Human friendly String to document image

#### 7.12.5.5 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarMedia.Descriptor  [static], [get]
```

#### 7.12.5.6 FrameCount

```
int briar.BriarGrpc.BriarMedia.FrameCount  [get], [set]
```

Number of frames in this media message

#### 7.12.5.7 FrameEnd

```
int briar.BriarGrpc.BriarMedia.FrameEnd  [get], [set]
```

End frame of media

#### 7.12.5.8 FrameNumber

```
int briar.BriarGrpc.BriarMedia.FrameNumber  [get], [set]
```

If this is a single frame of a video, this denotes the frame number

#### 7.12.5.9 FrameRate

```
float briar.BriarGrpc.BriarMedia.FrameRate  [get], [set]
```

Framerate in frames/second

#### 7.12.5.10 FrameStart

```
int briar.BriarGrpc.BriarMedia.FrameStart  [get], [set]
```

Start frame of media

#### 7.12.5.11 Height

```
int briar.BriarGrpc.BriarMedia.Height  [get], [set]
```

Height of img in px

#### 7.12.5.12 IsCropped

```
bool briar.BriarGrpc.BriarMedia.IsCropped  [get], [set]
```

Optional: A boolean to specify if the given media file is pre-cropped or full

#### 7.12.5.13 Metadata

```
pbc.RepeatedField<global.briar.BriarGrpc.MediaMetadata> briar.BriarGrpc.BriarMedia.Metadata
[get]
```

Optional metadata for the entire media stream;

#### 7.12.5.14 Parser

```
pb.MessageParser<BriarMedia> briar.BriarGrpc.BriarMedia.Parser  [static], [get]
```

#### 7.12.5.15 SegmentId

```
int briar.BriarGrpc.BriarMedia.SegmentId  [get], [set]
```

A number identifying the segment in a stream of media

#### 7.12.5.16 SegmentTotal

```
int briar.BriarGrpc.BriarMedia.SegmentTotal  [get], [set]
```

A number specifying the total number of segments to expect.

A value of -1 indicates a continuous stream with an unknown end.

#### 7.12.5.17 ServersideSource

```
string briar.BriarGrpc.BriarMedia.ServersideSource  [get], [set]
```

A string describing the media location if it presides on the server side (i.e.

in a location that the performer's algorithm can access directly)

#### 7.12.5.18 Source

```
string briar.BriarGrpc.BriarMedia.Source  [get], [set]
```

A string describing the source of the media (url,filepath,etc.)

#### 7.12.5.19 SourceType

```
global.briar.BriarGrpc.BriarMedia.Types.DataType briar.BriarGrpc.BriarMedia.SourceType  [get],
[set]
```

Data type of the source of the media (e.g.

if this is a frame of a video)

#### 7.12.5.20 Type

```
global.briar.BriarGrpc.BriarMedia.Types.DataType briar.BriarGrpc.BriarMedia.Type  [get], [set]
```

Data type of the media data

#### 7.12.5.21 Width

```
int briar.BriarGrpc.BriarMedia.Width  [get], [set]
```

Width of img in px

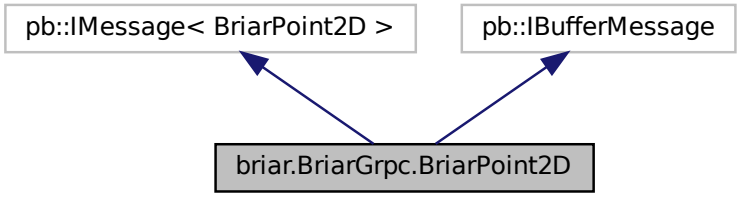
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

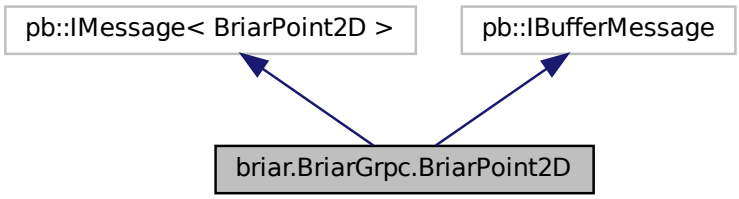
## 7.13 briar.BriarGrpc.BriarPoint2D Class Reference

message to hold a point

Inheritance diagram for briar.BriarGrpc.BriarPoint2D:




Collaboration diagram for briar.BriarGrpc.BriarPoint2D:




### Public Member Functions

- BriarPoint2D ()
- BriarPoint2D (BriarPoint2D other)
- int CalculateSize ()
- BriarPoint2D Clone ()
- bool Equals (BriarPoint2D other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarPoint2D other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int XFieldNumber = 1

  *Field number for the "x" field.*
- const int YFieldNumber = 2

  *Field number for the "y" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< BriarPoint2D > Parser `[get]`
- float X `[get, set]`
- float Y `[get, set]`

### 7.13.1 Detailed Description

message to hold a point

### 7.13.2 Constructor & Destructor Documentation

#### 7.13.2.1 BriarPoint2D() [1/2]

```
briar.BriarGrpc.BriarPoint2D.BriarPoint2D ( )  [inline]
```

#### 7.13.2.2 BriarPoint2D() [2/2]

```
briar.BriarGrpc.BriarPoint2D.BriarPoint2D (
            BriarPoint2D other )  [inline]
```

### 7.13.3 Member Function Documentation

#### 7.13.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarPoint2D.CalculateSize ( )  [inline]
```

#### 7.13.3.2 Clone()

```
BriarPoint2D briar.BriarGrpc.BriarPoint2D.Clone ( )  [inline]
```

#### 7.13.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarPoint2D.Equals (
            BriarPoint2D other )  [inline]
```

#### 7.13.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarPoint2D.Equals (
            object other )  [inline]
```

#### 7.13.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarPoint2D.GetHashCode ( )  [inline]
```

#### 7.13.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarPoint2D.MergeFrom (
            BriarPoint2D other )  [inline]
```

#### 7.13.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarPoint2D.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.13.3.8 ToString()

```
override string briar.BriarGrpc.BriarPoint2D.ToString ( )  [inline]
```

#### 7.13.3.9 WriteTo()

```
void briar.BriarGrpc.BriarPoint2D.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.13.4 Member Data Documentation

#### 7.13.4.1 XFieldNumber

```
const int briar.BriarGrpc.BriarPoint2D.XFieldNumber = 1  [static]
```

Field number for the "x" field.

#### 7.13.4.2 YFieldNumber

```
const int briar.BriarGrpc.BriarPoint2D.YFieldNumber = 2  [static]
```

Field number for the "y" field.

### 7.13.5 Property Documentation

#### 7.13.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarPoint2D.Descriptor  [static], [get]
```

#### 7.13.5.2 Parser

```
pb.MessageParser<BriarPoint2D> briar.BriarGrpc.BriarPoint2D.Parser  [static], [get]
```

#### 7.13.5.3 X

```
float briar.BriarGrpc.BriarPoint2D.X  [get], [set]
```

#### 7.13.5.4 Y

```
float briar.BriarGrpc.BriarPoint2D.Y  [get], [set]
```

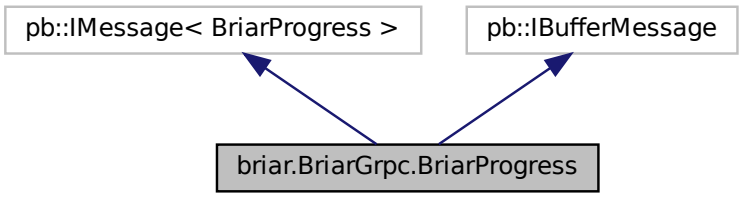
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

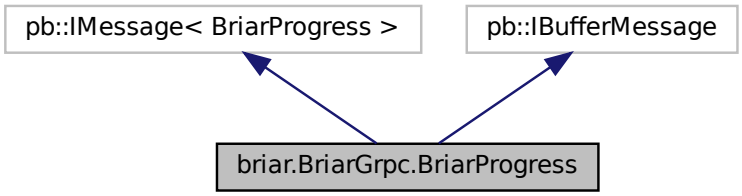
## 7.14 briar.BriarGrpc.BriarProgress Class Reference

message that contains progress

Inheritance diagram for briar.BriarGrpc.BriarProgress:




Collaboration diagram for briar.BriarGrpc.BriarProgress:




### Public Member Functions

- BriarProgress ()
- BriarProgress (BriarProgress other)
- int CalculateSize ()
- BriarProgress Clone ()
- bool Equals (BriarProgress other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarProgress other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int CurrentStepFieldNumber = 1

  *Field number for the "currentStep" field.*
- const int TotalStepsFieldNumber = 2

  *Field number for the "totalSteps" field.*

## Properties

- long CurrentStep `[get, set]`

  *The current step that the process is on*
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< BriarProgress > Parser `[get]`
- long TotalSteps `[get, set]`

  *The total steps that the process has to complete (i.e.*

### 7.14.1 Detailed Description

message that contains progress

### 7.14.2 Constructor & Destructor Documentation

#### 7.14.2.1 BriarProgress() [1/2]

```
briar.BriarGrpc.BriarProgress.BriarProgress ( )  [inline]
```

#### 7.14.2.2 BriarProgress() [2/2]

```
briar.BriarGrpc.BriarProgress.BriarProgress (
            BriarProgress other )  [inline]
```

### 7.14.3 Member Function Documentation

#### 7.14.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarProgress.CalculateSize ( )  [inline]
```

#### 7.14.3.2 Clone()

```
BriarProgress briar.BriarGrpc.BriarProgress.Clone ( )  [inline]
```

#### 7.14.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarProgress.Equals (
            BriarProgress other )  [inline]
```

#### 7.14.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarProgress.Equals (
            object other )  [inline]
```

#### 7.14.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarProgress.GetHashCode ( )  [inline]
```

#### 7.14.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarProgress.MergeFrom (
            BriarProgress other )  [inline]
```

#### 7.14.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarProgress.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.14.3.8 ToString()

```
override string briar.BriarGrpc.BriarProgress.ToString ( )  [inline]
```

#### 7.14.3.9 WriteTo()

```
void briar.BriarGrpc.BriarProgress.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.14.4 Member Data Documentation

#### 7.14.4.1 CurrentStepFieldNumber

```
const int briar.BriarGrpc.BriarProgress.CurrentStepFieldNumber = 1  [static]
```

Field number for the "currentStep" field.

#### 7.14.4.2 TotalStepsFieldNumber

```
const int briar.BriarGrpc.BriarProgress.TotalStepsFieldNumber = 2  [static]
```

Field number for the "totalSteps" field.

### 7.14.5 Property Documentation

#### 7.14.5.1 CurrentStep

```
long briar.BriarGrpc.BriarProgress.CurrentStep  [get], [set]
```

The current step that the process is on

#### 7.14.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarProgress.Descriptor  [static], [get]
```

#### 7.14.5.3 Parser

```
pb.MessageParser<BriarProgress> briar.BriarGrpc.BriarProgress.Parser  [static], [get]
```

#### 7.14.5.4 TotalSteps

```
long briar.BriarGrpc.BriarProgress.TotalSteps  [get], [set]
```

The total steps that the process has to complete (i.e.

frames in a video)

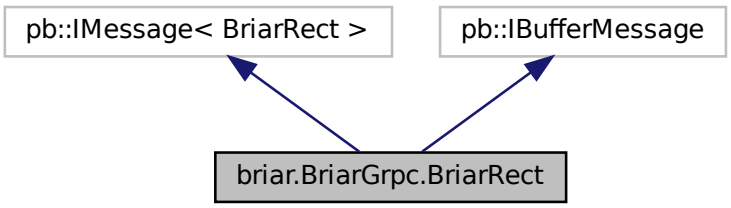
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

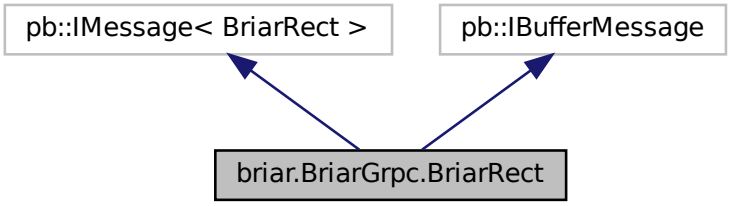
## 7.15 briar.BriarGrpc.BriarRect Class Reference

TODO optionally break this out into briar_geometry.proto message to hold rectangle

Inheritance diagram for briar.BriarGrpc.BriarRect:




Collaboration diagram for briar.BriarGrpc.BriarRect:



### Public Member Functions

- BriarRect ()
- BriarRect (BriarRect other)
- int CalculateSize ()
- BriarRect Clone ()
- bool Equals (BriarRect other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarRect other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int HeightFieldNumber = 4

  *Field number for the "height" field.*
- const int WidthFieldNumber = 3

  *Field number for the "width" field.*
- const int XFieldNumber = 1

  *Field number for the "x" field.*
- const int YFieldNumber = 2

  *Field number for the "y" field.*

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- int Height `[get, set]`

  *y distance to lower right corner*
- static pb::MessageParser< BriarRect > Parser `[get]`
- int Width `[get, set]`

  *x distance to lower right corner*
- int X `[get, set]`

  *Upper left corner*
- int Y `[get, set]`

  *Upper left corner*

## 7.15.1 Detailed Description

TODO optionally break this out into briar_geometry.proto message to hold rectangle

## 7.15.2 Constructor & Destructor Documentation

#### 7.15.2.1 BriarRect() [1/2]

```
briar.BriarGrpc.BriarRect.BriarRect ( )  [inline]
```

#### 7.15.2.2 BriarRect() [2/2]

```
briar.BriarGrpc.BriarRect.BriarRect (
            BriarRect other )  [inline]
```

### 7.15.3 Member Function Documentation

#### 7.15.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarRect.CalculateSize ( )  [inline]
```

#### 7.15.3.2 Clone()

```
BriarRect briar.BriarGrpc.BriarRect.Clone ( )  [inline]
```

#### 7.15.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarRect.Equals (
            BriarRect other )  [inline]
```

#### 7.15.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarRect.Equals (
            object other )  [inline]
```

#### 7.15.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarRect.GetHashCode ( )  [inline]
```

#### 7.15.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarRect.MergeFrom (
            BriarRect other )  [inline]
```

#### 7.15.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarRect.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.15.3.8 ToString()

```
override string briar.BriarGrpc.BriarRect.ToString ( )  [inline]
```

#### 7.15.3.9 WriteTo()

```
void briar.BriarGrpc.BriarRect.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.15.4 Member Data Documentation

#### 7.15.4.1 HeightFieldNumber

```
const int briar.BriarGrpc.BriarRect.HeightFieldNumber = 4  [static]
```

Field number for the "height" field.

#### 7.15.4.2 WidthFieldNumber

```
const int briar.BriarGrpc.BriarRect.WidthFieldNumber = 3  [static]
```

Field number for the "width" field.

#### 7.15.4.3 XFieldNumber

```
const int briar.BriarGrpc.BriarRect.XFieldNumber = 1  [static]
```

Field number for the "x" field.

#### 7.15.4.4 YFieldNumber

```
const int briar.BriarGrpc.BriarRect.YFieldNumber = 2  [static]
```

Field number for the "y" field.

### 7.15.5 Property Documentation

#### 7.15.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarRect.Descriptor  [static], [get]
```

#### 7.15.5.2 Height

```
int briar.BriarGrpc.BriarRect.Height  [get], [set]
```

y distance to lower right corner

#### 7.15.5.3 Parser

```
pb.MessageParser<BriarRect> briar.BriarGrpc.BriarRect.Parser  [static], [get]
```

#### 7.15.5.4 Width

```
int briar.BriarGrpc.BriarRect.Width  [get], [set]
```

x distance to lower right corner

#### 7.15.5.5 X

```
int briar.BriarGrpc.BriarRect.X  [get], [set]
```

Upper left corner

#### 7.15.5.6 Y

```
int briar.BriarGrpc.BriarRect.Y  [get], [set]
```

Upper left corner

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

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.16 briar.BriarGrpc.BRIARService.BRIARServiceBase Class Reference

Base class for server-side implementations of BRIARService

### Public Member Functions

- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpoint (global::briar.BriarGrpc.DatabaseCheckpointRequest request, grpc::ServerCallContext context)

  *OPTIONAL will save a database's progress without finalizing*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpoint_subject (global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request, grpc::ServerCallContext context)

  *OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.*
- virtual global::System.Threading.Tasks.Task database_compute_search (global::briar.BriarGrpc.SearchDatabaseRequest request, grpc::IServerStreamWriter< global::briar.BriarGrpc.SearchDatabaseReply > responseStream, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size Probe Database X Search Rank.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.VerifyDatabaseReply > database_compute_verify (global::briar.BriarGrpc.VerifyDatabaseRequest request, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseCreateReply > database_create (global::briar.BriarGrpc.DatabaseCreateRequest request, grpc::ServerCallContext context)

  *REQUIRED Create and initialize a database on the server.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseDeleteReply > database_delete (global::briar.BriarGrpc.DatabaseDeleteRequest request, grpc::ServerCallContext context)

  *REQUIRED Delete a database on the server.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseFinalizeReply > database_finalize (global::briar.BriarGrpc.DatabaseFinalizeRequest request, grpc::ServerCallContext context)

*REQUIRED Called after all individuals have been enrolled.*

- virtual global::System.Threading.Tasks.Task database_has_entries (grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseHasEntryRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseHasEntryReply > responseStream, grpc::ServerCallContext context)
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseHasEntryReply > database_has_entry (global::briar.BriarGrpc.DatabaseHasEntryRequest request, grpc::ServerCallContext context)
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseInfoReply > database_info (global::briar.BriarGrpc.DatabaseInfoRequest request, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseInsertReply > database_insert (global::briar.BriarGrpc.DatabaseInsertRequest request, grpc::ServerCallContext context)

  *OPTIONAL Clients can insert templates directly into a database for database management purposes.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseListReply > database_list (global::briar.BriarGrpc.DatabaseListRequest request, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseListentriesReply > database_list_entries (global::briar.BriarGrpc.DatabaseListEntriesRequest request, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseLoadReply > database_load (global::briar.BriarGrpc.DatabaseLoadRequest request, grpc::ServerCallContext context)

  *REQUIRED Load database by name onto the server running the service.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseMergeReply > database_merge (global::briar.BriarGrpc.DatabaseMergeRequest request, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.*
- virtual global::System.Threading.Tasks.Task database_move_entries (grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseMoveEntryRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseMoveEntryReply > responseStream, grpc::ServerCallContext context)
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseMoveEntryReply > database_move_entry (global::briar.BriarGrpc.DatabaseMoveEntryRequest request, grpc::ServerCallContext context)
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.Empty > database_refresh (global::briar.BriarGrpc.Empty request, grpc::ServerCallContext context)

  *REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseRemoveTmplsReply > database_remove_templates (global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request, grpc::ServerCallContext context)

  *REQUIRED Templates and associated records are deleted from a database.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.DatabaseRenameReply > database_rename (global::briar.BriarGrpc.DatabaseRenameRequest request, grpc::ServerCallContext context)

  *REQUIRED Rename a database on the server.*
- virtual global::System.Threading.Tasks.Task database_retrieve (grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseRetrieveRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseRetrieveReply > responseStream, grpc::ServerCallContext context)

  *OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.*
- virtual global::System.Threading.Tasks.Task detect (grpc::IAsyncStreamReader< global::briar.BriarGrpc.DetectRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.DetectReply > responseStream, grpc::ServerCallContext context)

  *REQUIRED Run detection on a media.*
- virtual global::System.Threading.Tasks.Task enhance (grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnhanceRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.EnhanceReply > responseStream, grpc::ServerCallContext context)

  *OPTIONAL Enhance a media stream.*

- virtual global::System.Threading.Tasks.Task enroll (grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnrollRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream, grpc::ServerCallContext context)

  *REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database*
- virtual global::System.Threading.Tasks.Task enroll_subject (grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnrollRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream, grpc::ServerCallContext context)

  *DEPRECATED for use only with legacy systems*
- virtual global::System.Threading.Tasks.Task extract (grpc::IAsyncStreamReader< global::briar.BriarGrpc.ExtractRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.ExtractReply > responseStream, grpc::ServerCallContext context)

  *REQUIRED Run feature extraction on the provided detection.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.BriarServiceConfigurationReply > get_service_configuration (global::briar.BriarGrpc.BriarServiceConfigurationRequest request, grpc::ServerCallContext context)
- virtual global::System.Threading.Tasks.Task search (grpc::IAsyncStreamReader< global::briar.BriarGrpc.SearchRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.SearchReply > responseStream, grpc::ServerCallContext context)

  *REQUIRED Use provided template ids to search a database for that person.*
- virtual global::System.Threading.Tasks.Task sigset_enroll_custom (global::briar.BriarGrpc.EnrollCustomRequest request, grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream, grpc::ServerCallContext context)

  *OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.StatusReply > status (global::briar.BriarGrpc.StatusRequest request, grpc::ServerCallContext context)

  *REQUIRED Check service status.*
- virtual global::System.Threading.Tasks.Task track (grpc::IAsyncStreamReader< global::briar.BriarGrpc.TrackRequest > requestStream, grpc::IServerStreamWriter< global::briar.BriarGrpc.TrackReply > responseStream, grpc::ServerCallContext context)

  *OPTIONAL To run tracking on video media.*
- virtual global::System.Threading.Tasks.Task< global::briar.BriarGrpc.VerifyReply > verify (grpc::IAsyncStreamReader< global::briar.BriarGrpc.VerifyRequest > requestStream, grpc::ServerCallContext context)

  *REQUIRED Compare two template ids and verify if they are the same person.*

### 7.16.1 Detailed Description

Base class for server-side implementations of BRIARService

### 7.16.2 Member Function Documentation

#### 7.16.2.1 database_checkpoint()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseCheckpointReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_checkpoint (
            global::briar.BriarGrpc.DatabaseCheckpointRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL will save a database's progress without finalizing

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.2 database_checkpoint_subject()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseCheckpointReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_checkpoint_subject (
            global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.3 database_compute_search()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
database_compute_search (
            global::briar.BriarGrpc.SearchDatabaseRequest request,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.SearchDatabaseReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size ProbeDatabase X Search Rank.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.4 database_compute_verify()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.VerifyDatabaseReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_compute_verify (
            global::briar.BriarGrpc.VerifyDatabaseRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.5 database_create()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseCreateReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_create (
            global::briar.BriarGrpc.DatabaseCreateRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Create and initialize a database on the server.

This should prepare the database to receive enrollment requests.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.6 database_delete()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseDeleteReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_delete (
            global::briar.BriarGrpc.DatabaseDeleteRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Delete a database on the server.

This should remove the database and remove associated storage.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.7 database_finalize()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseFinalizeReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_finalize (
            global::briar.BriarGrpc.DatabaseFinalizeRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Called after all individuals have been enrolled.

Conduct any analysis of the database entries as needed or optimize for fast verification or search.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.8 database_has_entries()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
database_has_entries (
```

```
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseHasEntryRequest > request↩
Stream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseHasEntryReply > response↩
Stream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

#### 7.16.2.9 database_has_entry()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseHasEntryReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_has_entry (
            global::briar.BriarGrpc.DatabaseHasEntryRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

#### 7.16.2.10 database_info()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseInfoReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_info (
            global::briar.BriarGrpc.DatabaseInfoRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.11 database_insert()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseInsertReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_insert (
            global::briar.BriarGrpc.DatabaseInsertRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL Clients can insert templates directly into a database for database management purposes.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.12 database_list()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseListReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_list (
            global::briar.BriarGrpc.DatabaseListRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.13 database_list_entries()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseListentriesReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_list_entries (
            global::briar.BriarGrpc.DatabaseListEntriesRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.14 database_load()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseLoadReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_load (
```

```
            global::briar.BriarGrpc.DatabaseLoadRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Load database by name onto the server running the service.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.15 database_merge()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseMergeReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_merge (
            global::briar.BriarGrpc.DatabaseMergeRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.16 database_move_entries()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
database_move_entries (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseMoveEntryRequest >
requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseMoveEntryReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

#### 7.16.2.17 database_move_entry()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseMoveEntryReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_move_entry (
            global::briar.BriarGrpc.DatabaseMoveEntryRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

#### 7.16.2.18 database_refresh()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.Empty> briar.BriarGrpc.↩
BRIARService.BRIARServiceBase.database_refresh (
            global::briar.BriarGrpc.Empty request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.19 database_remove_templates()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseRemoveTmplsReply>
briar.BriarGrpc.BRIARService.BRIARServiceBase.database_remove_templates (
            global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Templates and associated records are deleted from a database.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.20 database_rename()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.DatabaseRenameReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceBase.database_rename (
            global::briar.BriarGrpc.DatabaseRenameRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Rename a database on the server.

This should rename the database.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.21 database_retrieve()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
database_retrieve (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.DatabaseRetrieveRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.DatabaseRetrieveReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.22 detect()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
detect (
```

```
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.DetectRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.DetectReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Run detection on a media.

Optionally this can also run attribute classification and template extraction. Implementation should be similar to enroll but with nothing stored in a database.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.23 enhance()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
enhance (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnhanceRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.EnhanceReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL Enhance a media stream.

This takes a media stream as an input and return a media stream of enhanced video.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.24 enroll()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
enroll (
```

```
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnrollRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.25 enroll_subject()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
enroll_subject (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.EnrollRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

DEPRECATED for use only with legacy systems

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.26 extract()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
extract (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.ExtractRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.ExtractReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Run feature extraction on the provided detection.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.27 get_service_configuration()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.BriarServiceConfiguration↩
Reply> briar.BriarGrpc.BRIARService.BRIARServiceBase.get_service_configuration (
            global::briar.BriarGrpc.BriarServiceConfigurationRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

#### 7.16.2.28 search()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
search (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.SearchRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.SearchReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Use provided template ids to search a database for that person.

Return a rank ordered list of results with scores.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.29 sigset_enroll_custom()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.↩
sigset_enroll_custom (
```

```
            global::briar.BriarGrpc.EnrollCustomRequest request,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.EnrollReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.30 status()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.StatusReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceBase.status (
            global::briar.BriarGrpc.StatusRequest request,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Check service status.

After connecting clients should typically call this function to insure that the service is in the READY state.

**Parameters**

| | |
|---|---|
| *request* | The request received from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

#### 7.16.2.31 track()

```
virtual global.System.Threading.Tasks.Task briar.BriarGrpc.BRIARService.BRIARServiceBase.track
(
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.TrackRequest > requestStream,
            grpc::IServerStreamWriter< global::briar.BriarGrpc.TrackReply > responseStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

OPTIONAL To run tracking on video media.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *responseStream* | Used for sending responses back to the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

A task indicating completion of the handler.

#### 7.16.2.32 verify()

```
virtual global.System.Threading.Tasks.Task<global.briar.BriarGrpc.VerifyReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceBase.verify (
            grpc::IAsyncStreamReader< global::briar.BriarGrpc.VerifyRequest > requestStream,
            grpc::ServerCallContext context )  [inline], [virtual]
```

REQUIRED Compare two template ids and verify if they are the same person.

**Parameters**

| | |
|---|---|
| *requestStream* | Used for reading requests from the client. |
| *context* | The context of the server-side call handler being invoked. |

**Returns**

The response to send back to the client (wrapped by a task).

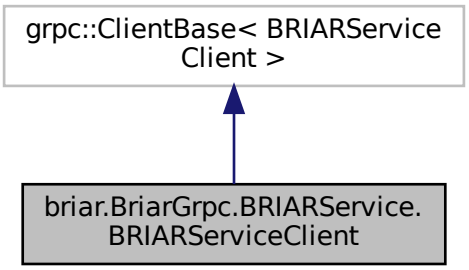
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/briar/briar_grpc/BriarServiceGrpc.cs

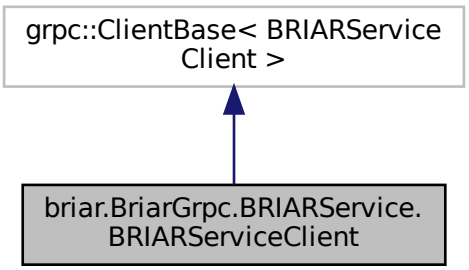
## 7.17 briar.BriarGrpc.BRIARService.BRIARServiceClient Class Reference

Client for BRIARService

Inheritance diagram for briar.BriarGrpc.BRIARService.BRIARServiceClient:




Collaboration diagram for briar.BriarGrpc.BRIARService.BRIARServiceClient:




## Public Member Functions

- BRIARServiceClient (grpc::CallInvoker callInvoker)

  *Creates a new client for BRIARService that uses a custom* `CallInvoker`.
- BRIARServiceClient (grpc::ChannelBase channel)

  *Creates a new client for BRIARService*
- virtual global::briar.BriarGrpc.DatabaseCheckpointReply database_checkpoint (global::briar.BriarGrpc.↩ DatabaseCheckpointRequest request, grpc::CallOptions options)

  *OPTIONAL will save a database's progress without finalizing*
- virtual global::briar.BriarGrpc.DatabaseCheckpointReply database_checkpoint (global::briar.Briar↩ Grpc.DatabaseCheckpointRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *OPTIONAL will save a database's progress without finalizing*
- virtual global::briar.BriarGrpc.DatabaseCheckpointReply database_checkpoint_subject (global::briar.Briar↩ Grpc.DatabaseCheckpointSubjectRequest request, grpc::CallOptions options)

*OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.*

- virtual global::briar.BriarGrpc.DatabaseCheckpointReply database_checkpoint_subject (global::briar.Briar↩ Grpc.DatabaseCheckpointSubjectRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpoint_subjectAsync (global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request, grpc::CallOptions options)

  *OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpoint_subjectAsync (global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellation↩ Token=default(global::System.Threading.CancellationToken))

  *OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpointAsync (global::briar.BriarGrpc.DatabaseCheckpointRequest request, grpc::CallOptions options)

  *OPTIONAL will save a database's progress without finalizing*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCheckpointReply > database_checkpointAsync (global::briar.BriarGrpc.DatabaseCheckpointRequest request, grpc::Metadata headers=null, global::↩ System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global↩ ::System.Threading.CancellationToken))

  *OPTIONAL will save a database's progress without finalizing*
- virtual grpc::AsyncServerStreamingCall< global::briar.BriarGrpc.SearchDatabaseReply > database_compute_search (global::briar.BriarGrpc.SearchDatabaseRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size Probe↩ Database X Search Rank.*
- virtual grpc::AsyncServerStreamingCall< global::briar.BriarGrpc.SearchDatabaseReply > database_compute_search (global::briar.BriarGrpc.SearchDatabaseRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size Probe↩ Database X Search Rank.*
- virtual global::briar.BriarGrpc.VerifyDatabaseReply database_compute_verify (global::briar.BriarGrpc.↩ VerifyDatabaseRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.*
- virtual global::briar.BriarGrpc.VerifyDatabaseReply database_compute_verify (global::briar.BriarGrpc.↩ VerifyDatabaseRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.↩ CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.VerifyDatabaseReply > database_compute_verifyAsync (global::briar.BriarGrpc.VerifyDatabaseRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.VerifyDatabaseReply > database_compute_verifyAsync (global::briar.BriarGrpc.VerifyDatabaseRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.*

- virtual global::briar.BriarGrpc.DatabaseCreateReply database_create (global::briar.BriarGrpc.Database↩ CreateRequest request, grpc::CallOptions options)

  *REQUIRED Create and initialize a database on the server.*
- virtual global::briar.BriarGrpc.DatabaseCreateReply database_create (global::briar.BriarGrpc.Database↩ CreateRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Create and initialize a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCreateReply > database_createAsync (global::briar.BriarGrpc.DatabaseCreateRequest request, grpc::CallOptions options)

  *REQUIRED Create and initialize a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseCreateReply > database_createAsync (global::briar.BriarGrpc.DatabaseCreateRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED Create and initialize a database on the server.*
- virtual global::briar.BriarGrpc.DatabaseDeleteReply database_delete (global::briar.BriarGrpc.Database↩ DeleteRequest request, grpc::CallOptions options)

  *REQUIRED Delete a database on the server.*
- virtual global::briar.BriarGrpc.DatabaseDeleteReply database_delete (global::briar.BriarGrpc.Database↩ DeleteRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Delete a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseDeleteReply > database_deleteAsync (global::briar.BriarGrpc.DatabaseDeleteRequest request, grpc::CallOptions options)

  *REQUIRED Delete a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseDeleteReply > database_deleteAsync (global::briar.BriarGrpc.DatabaseDeleteRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED Delete a database on the server.*
- virtual global::briar.BriarGrpc.DatabaseFinalizeReply database_finalize (global::briar.BriarGrpc.Database↩ FinalizeRequest request, grpc::CallOptions options)

  *REQUIRED Called after all individuals have been enrolled.*
- virtual global::briar.BriarGrpc.DatabaseFinalizeReply database_finalize (global::briar.BriarGrpc.Database↩ FinalizeRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Called after all individuals have been enrolled.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseFinalizeReply > database_finalizeAsync (global::briar.BriarGrpc.DatabaseFinalizeRequest request, grpc::CallOptions options)

  *REQUIRED Called after all individuals have been enrolled.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseFinalizeReply > database_finalizeAsync (global::briar.BriarGrpc.DatabaseFinalizeRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED Called after all individuals have been enrolled.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseHasEntryRequest, global::briar.↩ BriarGrpc.DatabaseHasEntryReply > database_has_entries (grpc::CallOptions options)
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseHasEntryRequest, global↩ ::briar.BriarGrpc.DatabaseHasEntryReply > database_has_entries (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellation↩ Token=default(global::System.Threading.CancellationToken))

- virtual global::briar.BriarGrpc.DatabaseHasEntryReply database_has_entry (global::briar.BriarGrpc.↩ DatabaseHasEntryRequest request, grpc::CallOptions options)
- virtual global::briar.BriarGrpc.DatabaseHasEntryReply database_has_entry (global::briar.BriarGrpc.↩ DatabaseHasEntryRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.↩ CancellationToken))
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseHasEntryReply > database_has_entryAsync (global::briar.BriarGrpc.DatabaseHasEntryRequest request, grpc::CallOptions options)
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseHasEntryReply > database_has_entryAsync (global::briar.BriarGrpc.DatabaseHasEntryRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))
- virtual global::briar.BriarGrpc.DatabaseInfoReply database_info (global::briar.BriarGrpc.DatabaseInfo↩ Request request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.*
- virtual global::briar.BriarGrpc.DatabaseInfoReply database_info (global::briar.BriarGrpc.DatabaseInfo↩ Request request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.↩ Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseInfoReply > database_infoAsync (global↩ ::briar.BriarGrpc.DatabaseInfoRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseInfoReply > database_infoAsync (global↩ ::briar.BriarGrpc.DatabaseInfoRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.*
- virtual global::briar.BriarGrpc.DatabaseInsertReply database_insert (global::briar.BriarGrpc.Database↩ InsertRequest request, grpc::CallOptions options)

  *OPTIONAL Clients can insert templates directly into a database for database management purposes.*
- virtual global::briar.BriarGrpc.DatabaseInsertReply database_insert (global::briar.BriarGrpc.Database↩ InsertRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::↩ System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *OPTIONAL Clients can insert templates directly into a database for database management purposes.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseInsertReply > database_insertAsync (global::briar.BriarGrpc.DatabaseInsertRequest request, grpc::CallOptions options)

  *OPTIONAL Clients can insert templates directly into a database for database management purposes.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseInsertReply > database_insertAsync (global::briar.BriarGrpc.DatabaseInsertRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *OPTIONAL Clients can insert templates directly into a database for database management purposes.*
- virtual global::briar.BriarGrpc.DatabaseListReply database_list (global::briar.BriarGrpc.DatabaseListRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.*
- virtual global::briar.BriarGrpc.DatabaseListReply database_list (global::briar.BriarGrpc.DatabaseList↩ Request request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.↩ Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.*
- virtual global::briar.BriarGrpc.DatabaseListentriesReply database_list_entries (global::briar.BriarGrpc.↩ DatabaseListEntriesRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.*

- virtual global::briar.BriarGrpc.DatabaseListentriesReply database_list_entries (global::briar.BriarGrpc.↩ DatabaseListEntriesRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseListentriesReply > database_list_entriesAsync (global::briar.BriarGrpc.DatabaseListEntriesRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseListentriesReply > database_list_entriesAsync (global::briar.BriarGrpc.DatabaseListEntriesRequest request, grpc::Metadata headers=null, global::↩ System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global↩ ::System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseListReply > database_listAsync (global↩ ::briar.BriarGrpc.DatabaseListRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseListReply > database_listAsync (global↩ ::briar.BriarGrpc.DatabaseListRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.*
- virtual global::briar.BriarGrpc.DatabaseLoadReply database_load (global::briar.BriarGrpc.DatabaseLoad↩ Request request, grpc::CallOptions options)

  *REQUIRED Load database by name onto the server running the service.*
- virtual global::briar.BriarGrpc.DatabaseLoadReply database_load (global::briar.BriarGrpc.DatabaseLoad↩ Request request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.↩ Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED Load database by name onto the server running the service.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseLoadReply > database_loadAsync (global↩ ::briar.BriarGrpc.DatabaseLoadRequest request, grpc::CallOptions options)

  *REQUIRED Load database by name onto the server running the service.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseLoadReply > database_loadAsync (global↩ ::briar.BriarGrpc.DatabaseLoadRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))

  *REQUIRED Load database by name onto the server running the service.*
- virtual global::briar.BriarGrpc.DatabaseMergeReply database_merge (global::briar.BriarGrpc.Database↩ MergeRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.*
- virtual global::briar.BriarGrpc.DatabaseMergeReply database_merge (global::briar.BriarGrpc.Database↩ MergeRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseMergeReply > database_mergeAsync (global::briar.BriarGrpc.DatabaseMergeRequest request, grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseMergeReply > database_mergeAsync (global::briar.BriarGrpc.DatabaseMergeRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseMoveEntryRequest, global↩ ::briar.BriarGrpc.DatabaseMoveEntryReply > database_move_entries (grpc::CallOptions options)

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseMoveEntryRequest, global::briar.BriarGrpc.DatabaseMoveEntryReply > database_move_entries (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))
- virtual global::briar.BriarGrpc.DatabaseMoveEntryReply database_move_entry (global::briar.BriarGrpc.DatabaseMoveEntryRequest request, grpc::CallOptions options)
- virtual global::briar.BriarGrpc.DatabaseMoveEntryReply database_move_entry (global::briar.BriarGrpc.DatabaseMoveEntryRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseMoveEntryReply > database_move_entryAsync (global::briar.BriarGrpc.DatabaseMoveEntryRequest request, grpc::CallOptions options)
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseMoveEntryReply > database_move_entryAsync (global::briar.BriarGrpc.DatabaseMoveEntryRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))
- virtual global::briar.BriarGrpc.Empty database_refresh (global::briar.BriarGrpc.Empty request, grpc::CallOptions options)

  *REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see*
- virtual global::briar.BriarGrpc.Empty database_refresh (global::briar.BriarGrpc.Empty request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.Empty > database_refreshAsync (global::briar.BriarGrpc.Empty request, grpc::CallOptions options)

  *REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.Empty > database_refreshAsync (global::briar.BriarGrpc.Empty request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see*
- virtual global::briar.BriarGrpc.DatabaseRemoveTmplsReply database_remove_templates (global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request, grpc::CallOptions options)

  *REQUIRED Templates and associated records are deleted from a database.*
- virtual global::briar.BriarGrpc.DatabaseRemoveTmplsReply database_remove_templates (global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED Templates and associated records are deleted from a database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseRemoveTmplsReply > database_remove_templatesAsync (global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request, grpc::CallOptions options)

  *REQUIRED Templates and associated records are deleted from a database.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseRemoveTmplsReply > database_remove_templatesAsync (global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED Templates and associated records are deleted from a database.*
- virtual global::briar.BriarGrpc.DatabaseRenameReply database_rename (global::briar.BriarGrpc.DatabaseRenameRequest request, grpc::CallOptions options)

  *REQUIRED Rename a database on the server.*

- virtual global::briar.BriarGrpc.DatabaseRenameReply database_rename (global::briar.BriarGrpc.Database↩ RenameRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Rename a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseRenameReply > database_renameAsync (global::briar.BriarGrpc.DatabaseRenameRequest request, grpc::CallOptions options)

  *REQUIRED Rename a database on the server.*
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.DatabaseRenameReply > database_renameAsync (global::briar.BriarGrpc.DatabaseRenameRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *REQUIRED Rename a database on the server.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseRetrieveRequest, global::briar.↩ BriarGrpc.DatabaseRetrieveReply > database_retrieve (grpc::CallOptions options)

  *OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DatabaseRetrieveRequest, global::briar.↩ BriarGrpc.DatabaseRetrieveReply > database_retrieve (grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global↩ ::System.Threading.CancellationToken))

  *OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DetectRequest, global::briar.BriarGrpc.↩ DetectReply > detect (grpc::CallOptions options)

  *REQUIRED Run detection on a media.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.DetectRequest, global::briar.BriarGrpc.↩ DetectReply > detect (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::↩ System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Run detection on a media.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnhanceRequest, global::briar.Briar↩ Grpc.EnhanceReply > enhance (grpc::CallOptions options)

  *OPTIONAL Enhance a media stream.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnhanceRequest, global::briar.Briar↩ Grpc.EnhanceReply > enhance (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.↩ CancellationToken))

  *OPTIONAL Enhance a media stream.*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnrollRequest, global::briar.BriarGrpc.↩ EnrollReply > enroll (grpc::CallOptions options)

  *REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnrollRequest, global::briar.BriarGrpc.↩ EnrollReply > enroll (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::↩ System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnrollRequest, global::briar.BriarGrpc.↩ EnrollReply > enroll_subject (grpc::CallOptions options)

  *DEPRECATED for use only with legacy systems*
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.EnrollRequest, global::briar.BriarGrpc.↩ EnrollReply > enroll_subject (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.↩ CancellationToken))

*DEPRECATED for use only with legacy systems*

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.ExtractRequest, global::briar.BriarGrpc.↩ ExtractReply > extract (grpc::CallOptions options)

  *REQUIRED Run feature extraction on the provided detection.*

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.ExtractRequest, global::briar.BriarGrpc.↩ ExtractReply > extract (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Run feature extraction on the provided detection.*

- virtual global::briar.BriarGrpc.BriarServiceConfigurationReply get_service_configuration (global::briar.Briar↩ Grpc.BriarServiceConfigurationRequest request, grpc::CallOptions options)
- virtual global::briar.BriarGrpc.BriarServiceConfigurationReply get_service_configuration (global::briar.Briar↩ Grpc.BriarServiceConfigurationRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::System.↩ Threading.CancellationToken))
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.BriarServiceConfigurationReply > get_service_configurationAsync (global::briar.BriarGrpc.BriarServiceConfigurationRequest request, grpc::CallOptions options)
- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.BriarServiceConfigurationReply > get_service_configurationAsync (global::briar.BriarGrpc.BriarServiceConfigurationRequest request, grpc::Metadata headers=null, global::↩ System.DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global↩ ::System.Threading.CancellationToken))
- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.SearchRequest, global::briar.BriarGrpc.↩ SearchReply > search (grpc::CallOptions options)

  *REQUIRED Use provided template ids to search a database for that person.*

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.SearchRequest, global::briar.BriarGrpc.↩ SearchReply > search (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Use provided template ids to search a database for that person.*

- virtual grpc::AsyncServerStreamingCall< global::briar.BriarGrpc.EnrollReply > sigset_enroll_custom (global::briar.BriarGrpc.EnrollCustomRequest request, grpc::CallOptions options)

  *OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE*

- virtual grpc::AsyncServerStreamingCall< global::briar.BriarGrpc.EnrollReply > sigset_enroll_custom (global::briar.BriarGrpc.EnrollCustomRequest request, grpc::Metadata headers=null, global::System.↩ DateTime? deadline=null, global::System.Threading.CancellationToken cancellationToken=default(global::↩ System.Threading.CancellationToken))

  *OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE*

- virtual global::briar.BriarGrpc.StatusReply status (global::briar.BriarGrpc.StatusRequest request, grpc::Call↩ Options options)

  *REQUIRED Check service status.*

- virtual global::briar.BriarGrpc.StatusReply status (global::briar.BriarGrpc.StatusRequest request, grpc::↩ Metadata headers=null, global::System.DateTime? deadline=null, global::System.Threading.Cancellation↩ Token cancellationToken=default(global::System.Threading.CancellationToken))

  *REQUIRED Check service status.*

- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.StatusReply > statusAsync (global::briar.BriarGrpc.↩ StatusRequest request, grpc::CallOptions options)

  *REQUIRED Check service status.*

- virtual grpc::AsyncUnaryCall< global::briar.BriarGrpc.StatusReply > statusAsync (global::briar.BriarGrpc.↩ StatusRequest request, grpc::Metadata headers=null, global::System.DateTime? deadline=null, global↩ ::System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Check service status.*

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.TrackRequest, global::briar.BriarGrpc.↩ TrackReply > track (grpc::CallOptions options)

  *OPTIONAL To run tracking on video media.*

- virtual grpc::AsyncDuplexStreamingCall< global::briar.BriarGrpc.TrackRequest, global::briar.BriarGrpc.↩ TrackReply > track (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::↩ System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *OPTIONAL To run tracking on video media.*
- virtual grpc::AsyncClientStreamingCall< global::briar.BriarGrpc.VerifyRequest, global::briar.BriarGrpc.↩ VerifyReply > verify (grpc::CallOptions options)

  *REQUIRED Compare two template ids and verify if they are the same person.*
- virtual grpc::AsyncClientStreamingCall< global::briar.BriarGrpc.VerifyRequest, global::briar.BriarGrpc.↩ VerifyReply > verify (grpc::Metadata headers=null, global::System.DateTime? deadline=null, global::↩ System.Threading.CancellationToken cancellationToken=default(global::System.Threading.Cancellation↩ Token))

  *REQUIRED Compare two template ids and verify if they are the same person.*

## Protected Member Functions

- BRIARServiceClient ()

  *Protected parameterless constructor to allow creation of test doubles.*
- BRIARServiceClient (ClientBaseConfiguration configuration)

  *Protected constructor to allow creation of configured clients.*
- override BRIARServiceClient NewInstance (ClientBaseConfiguration configuration)

  *Creates a new instance of client from given `ClientBaseConfiguration`.*

### 7.17.1 Detailed Description

Client for BRIARService

### 7.17.2 Constructor & Destructor Documentation

#### 7.17.2.1 BRIARServiceClient() [1/4]

```
briar.BriarGrpc.BRIARService.BRIARServiceClient.BRIARServiceClient (
            grpc::ChannelBase channel )  [inline]
```

Creates a new client for BRIARService

**Parameters**

| | |
|---|---|
| *channel* | The channel to use to make remote calls. |

#### 7.17.2.2 BRIARServiceClient() [2/4]

```
briar.BriarGrpc.BRIARService.BRIARServiceClient.BRIARServiceClient (
            grpc::CallInvoker callInvoker )  [inline]
```

Creates a new client for BRIARService that uses a custom `CallInvoker`.

**Parameters**

| | |
|---|---|
| *callInvoker* | The callInvoker to use to make remote calls. |

#### 7.17.2.3 BRIARServiceClient() [3/4]

```
briar.BriarGrpc.BRIARService.BRIARServiceClient.BRIARServiceClient ( )  [inline], [protected]
```

Protected parameterless constructor to allow creation of test doubles.

#### 7.17.2.4 BRIARServiceClient() [4/4]

```
briar.BriarGrpc.BRIARService.BRIARServiceClient.BRIARServiceClient (
            ClientBaseConfiguration configuration )  [inline], [protected]
```

Protected constructor to allow creation of configured clients.

**Parameters**

| | |
|---|---|
| *configuration* | The client configuration. |

### 7.17.3 Member Function Documentation

#### 7.17.3.1 database_checkpoint() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseCheckpointReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_checkpoint (
            global::briar.BriarGrpc.DatabaseCheckpointRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL will save a database's progress without finalizing

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.2 database_checkpoint() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseCheckpointReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_checkpoint (
            global::briar.BriarGrpc.DatabaseCheckpointRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL will save a database's progress without finalizing

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.3 database_checkpoint_subject() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseCheckpointReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_checkpoint_subject (
            global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.4 database_checkpoint_subject() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseCheckpointReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_checkpoint_subject (
            global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime? deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) ) [inline], [virtual]
```

OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.5 database_checkpoint_subjectAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCheckpointReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_checkpoint_subjectAsync (
            global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request,
            grpc::CallOptions options ) [inline], [virtual]
```

OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.6 database_checkpoint_subjectAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCheckpointReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_checkpoint_subjectAsync (
```

```
            global::briar.BriarGrpc.DatabaseCheckpointSubjectRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime? deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) ) [inline], [virtual]
```

OPTIONAL will signal to your algorithm that the media for a specific subject is finished, and possible finalization can be run.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.7 database_checkpointAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCheckpointReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_checkpointAsync (
            global::briar.BriarGrpc.DatabaseCheckpointRequest request,
            grpc::CallOptions options ) [inline], [virtual]
```

OPTIONAL will save a database's progress without finalizing

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.8 database_checkpointAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCheckpointReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_checkpointAsync (
            global::briar.BriarGrpc.DatabaseCheckpointRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime? deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) ) [inline], [virtual]
```

OPTIONAL will save a database's progress without finalizing

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.9 database_compute_search() [1/2]

```
virtual grpc.AsyncServerStreamingCall<global.briar.BriarGrpc.SearchDatabaseReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceClient.database_compute_search (
            global::briar.BriarGrpc.SearchDatabaseRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size ProbeDatabase X Search Rank.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.10 database_compute_search() [2/2]

```
virtual grpc.AsyncServerStreamingCall<global.briar.BriarGrpc.SearchDatabaseReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceClient.database_compute_search (
            global::briar.BriarGrpc.SearchDatabaseRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a set of search results of size ProbeDatabase X Search Rank.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.11 database_compute_verify() [1/2]

```
virtual global.briar.BriarGrpc.VerifyDatabaseReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_compute_verify (
            global::briar.BriarGrpc.VerifyDatabaseRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.12 database_compute_verify() [2/2]

```
virtual global.briar.BriarGrpc.VerifyDatabaseReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_compute_verify (
            global::briar.BriarGrpc.VerifyDatabaseRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.13 database_compute_verifyAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.VerifyDatabaseReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_compute_verifyAsync (
            global::briar.BriarGrpc.VerifyDatabaseRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.14 database_compute_verifyAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.VerifyDatabaseReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_compute_verifyAsync (
            global::briar.BriarGrpc.VerifyDatabaseRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Given two database names compute a score matrix of size databaseA X databaseB.

The matrix may be used for testing, analysis, client side clustering, etc. This may needed to be implemented to support evaluations in the future.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.15 database_create() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseCreateReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_create (
            global::briar.BriarGrpc.DatabaseCreateRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Create and initialize a database on the server.

This should prepare the database to receive enrollment requests.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.16 database_create() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseCreateReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_create (
            global::briar.BriarGrpc.DatabaseCreateRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Create and initialize a database on the server.

This should prepare the database to receive enrollment requests.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.17 database_createAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCreateReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_createAsync (
            global::briar.BriarGrpc.DatabaseCreateRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Create and initialize a database on the server.

This should prepare the database to receive enrollment requests.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.18 database_createAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseCreateReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_createAsync (
            global::briar.BriarGrpc.DatabaseCreateRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Create and initialize a database on the server.

This should prepare the database to receive enrollment requests.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.19 database_delete() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseDeleteReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_delete (
            global::briar.BriarGrpc.DatabaseDeleteRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Delete a database on the server.

This should remove the database and remove associated storage.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.20 database_delete() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseDeleteReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_delete (
            global::briar.BriarGrpc.DatabaseDeleteRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Delete a database on the server.

This should remove the database and remove associated storage.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.21 database_deleteAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseDeleteReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_deleteAsync (
            global::briar.BriarGrpc.DatabaseDeleteRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Delete a database on the server.

This should remove the database and remove associated storage.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.22 database_deleteAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseDeleteReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_deleteAsync (
            global::briar.BriarGrpc.DatabaseDeleteRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Delete a database on the server.

This should remove the database and remove associated storage.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.23 database_finalize() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseFinalizeReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_finalize (
            global::briar.BriarGrpc.DatabaseFinalizeRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Called after all individuals have been enrolled.

Conduct any analysis of the database entries as needed or optimize for fast verification or search.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.24 database_finalize() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseFinalizeReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_finalize (
            global::briar.BriarGrpc.DatabaseFinalizeRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Called after all individuals have been enrolled.

Conduct any analysis of the database entries as needed or optimize for fast verification or search.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.25 database_finalizeAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseFinalizeReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_finalizeAsync (
            global::briar.BriarGrpc.DatabaseFinalizeRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Called after all individuals have been enrolled.

Conduct any analysis of the database entries as needed or optimize for fast verification or search.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.26 database_finalizeAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseFinalizeReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_finalizeAsync (
            global::briar.BriarGrpc.DatabaseFinalizeRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Called after all individuals have been enrolled.

Conduct any analysis of the database entries as needed or optimize for fast verification or search.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.27 database_has_entries() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseHasEntryRequest, global.↩
briar.BriarGrpc.DatabaseHasEntryReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_has_entries (
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.28 database_has_entries() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseHasEntryRequest, global.↩
briar.BriarGrpc.DatabaseHasEntryReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_has_entries (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.29 database_has_entry() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseHasEntryReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_has_entry (
            global::briar.BriarGrpc.DatabaseHasEntryRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.30 database_has_entry() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseHasEntryReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_has_entry (
            global::briar.BriarGrpc.DatabaseHasEntryRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.31 database_has_entryAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseHasEntryReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_has_entryAsync (
            global::briar.BriarGrpc.DatabaseHasEntryRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.32 database_has_entryAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseHasEntryReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_has_entryAsync (
            global::briar.BriarGrpc.DatabaseHasEntryRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.33 database_info() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseInfoReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_info (
            global::briar.BriarGrpc.DatabaseInfoRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.34 database_info() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseInfoReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_info (
            global::briar.BriarGrpc.DatabaseInfoRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.35 database_infoAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseInfoReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_infoAsync (
            global::briar.BriarGrpc.DatabaseInfoRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.36 database_infoAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseInfoReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_infoAsync (
            global::briar.BriarGrpc.DatabaseInfoRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Return the associated summary information of a specific database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.37 database_insert() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseInsertReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_insert (
            global::briar.BriarGrpc.DatabaseInsertRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL Clients can insert templates directly into a database for database management purposes.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.38 database_insert() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseInsertReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_insert (
            global::briar.BriarGrpc.DatabaseInsertRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL Clients can insert templates directly into a database for database management purposes.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.39 database_insertAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseInsertReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_insertAsync (
            global::briar.BriarGrpc.DatabaseInsertRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL Clients can insert templates directly into a database for database management purposes.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.40 database_insertAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseInsertReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_insertAsync (
            global::briar.BriarGrpc.DatabaseInsertRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL Clients can insert templates directly into a database for database management purposes.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.41 database_list() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseListReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_list (
```

```
        global::briar.BriarGrpc.DatabaseListRequest request,
        grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.42 database_list() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseListReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_list (
            global::briar.BriarGrpc.DatabaseListRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.43 database_list_entries() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseListentriesReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_list_entries (
            global::briar.BriarGrpc.DatabaseListEntriesRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.44 database_list_entries() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseListentriesReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_list_entries (
            global::briar.BriarGrpc.DatabaseListEntriesRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.45 database_list_entriesAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseListentriesReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceClient.database_list_entriesAsync (
            global::briar.BriarGrpc.DatabaseListEntriesRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.46 database_list_entriesAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseListentriesReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceClient.database_list_entriesAsync (
            global::briar.BriarGrpc.DatabaseListEntriesRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the enrollments and associated metadata in the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.47 database_listAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseListReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_listAsync (
            global::briar.BriarGrpc.DatabaseListRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.48 database_listAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseListReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_listAsync (
```

```
            global::briar.BriarGrpc.DatabaseListRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION List the names of the galleries on this service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.49 database_load() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseLoadReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_load (
            global::briar.BriarGrpc.DatabaseLoadRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Load database by name onto the server running the service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.50 database_load() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseLoadReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_load (
            global::briar.BriarGrpc.DatabaseLoadRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Load database by name onto the server running the service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.51 database_loadAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseLoadReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_loadAsync (
            global::briar.BriarGrpc.DatabaseLoadRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Load database by name onto the server running the service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.52 database_loadAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseLoadReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_loadAsync (
            global::briar.BriarGrpc.DatabaseLoadRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Load database by name onto the server running the service.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.53 database_merge() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseMergeReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_merge (
            global::briar.BriarGrpc.DatabaseMergeRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.54 database_merge() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseMergeReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_merge (
            global::briar.BriarGrpc.DatabaseMergeRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.55 database_mergeAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseMergeReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_mergeAsync (
            global::briar.BriarGrpc.DatabaseMergeRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.56 database_mergeAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseMergeReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_mergeAsync (
            global::briar.BriarGrpc.DatabaseMergeRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Merge a set of databases into a single database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.57 database_move_entries() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseMoveEntryRequest, global.↩
briar.BriarGrpc.DatabaseMoveEntryReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_move_entries (
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.58 database_move_entries() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseMoveEntryRequest, global.↩
briar.BriarGrpc.DatabaseMoveEntryReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_move_entries (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.59 database_move_entry() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseMoveEntryReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_move_entry (
            global::briar.BriarGrpc.DatabaseMoveEntryRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.60 database_move_entry() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseMoveEntryReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_move_entry (
            global::briar.BriarGrpc.DatabaseMoveEntryRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.61 database_move_entryAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseMoveEntryReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_move_entryAsync (
            global::briar.BriarGrpc.DatabaseMoveEntryRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.62 database_move_entryAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseMoveEntryReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_move_entryAsync (
            global::briar.BriarGrpc.DatabaseMoveEntryRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.63 database_refresh() [1/2]

```
virtual global.briar.BriarGrpc.Empty briar.BriarGrpc.BRIARService.BRIARServiceClient.database↩
_refresh (
            global::briar.BriarGrpc.Empty request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.64 database_refresh() [2/2]

```
virtual global.briar.BriarGrpc.Empty briar.BriarGrpc.BRIARService.BRIARServiceClient.database↩
_refresh (
            global::briar.BriarGrpc.Empty request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.65 database_refreshAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.Empty> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_refreshAsync (
```

```
            global::briar.BriarGrpc.Empty request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.66 database_refreshAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.Empty> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.database_refreshAsync (
            global::briar.BriarGrpc.Empty request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED explicit call to refresh the database list within the service, in case new databases were created by a parallel service that this one does not see

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.67 database_remove_templates() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseRemoveTmplsReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_remove_templates (
            global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Templates and associated records are deleted from a database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.68 database_remove_templates() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseRemoveTmplsReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_remove_templates (
            global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Templates and associated records are deleted from a database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.69 database_remove_templatesAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseRemoveTmplsReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceClient.database_remove_templatesAsync (
            global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Templates and associated records are deleted from a database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.70 database_remove_templatesAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseRemoveTmplsReply> briar.Briar↩
Grpc.BRIARService.BRIARServiceClient.database_remove_templatesAsync (
            global::briar.BriarGrpc.DatabaseRemoveTmplsRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Templates and associated records are deleted from a database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.71 database_rename() [1/2]

```
virtual global.briar.BriarGrpc.DatabaseRenameReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_rename (
            global::briar.BriarGrpc.DatabaseRenameRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Rename a database on the server.

This should rename the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.72 database_rename() [2/2]

```
virtual global.briar.BriarGrpc.DatabaseRenameReply briar.BriarGrpc.BRIARService.BRIARService↩
Client.database_rename (
            global::briar.BriarGrpc.DatabaseRenameRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Rename a database on the server.

This should rename the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.73 database_renameAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseRenameReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_renameAsync (
            global::briar.BriarGrpc.DatabaseRenameRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Rename a database on the server.

This should rename the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.74 database_renameAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.DatabaseRenameReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.database_renameAsync (
            global::briar.BriarGrpc.DatabaseRenameRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Rename a database on the server.

This should rename the database.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.75 database_retrieve() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseRetrieveRequest, global.↩
briar.BriarGrpc.DatabaseRetrieveReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_retrieve (
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.76 database_retrieve() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DatabaseRetrieveRequest, global.↩
briar.BriarGrpc.DatabaseRetrieveReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
database_retrieve (
```

```
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL Clients can retrieve templates with metadata from a database for client side storage, processing, backup, or for database management.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.77 detect() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DetectRequest, global.briar.↩
BriarGrpc.DetectReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.detect (
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Run detection on a media.

Optionally this can also run attribute classification and template extraction. Implementation should be similar to enroll but with nothing stored in a database.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.78 detect() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.DetectRequest, global.briar.↩
BriarGrpc.DetectReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.detect (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Run detection on a media.

Optionally this can also run attribute classification and template extraction. Implementation should be similar to enroll but with nothing stored in a database.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.79 enhance() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnhanceRequest, global.briar.↩
BriarGrpc.EnhanceReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enhance (
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL Enhance a media stream.

This takes a media stream as an input and return a media stream of enhanced video.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.80 enhance() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnhanceRequest, global.briar.↩
BriarGrpc.EnhanceReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enhance (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL Enhance a media stream.

This takes a media stream as an input and return a media stream of enhanced video.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.81 enroll() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnrollRequest, global.briar.↩
BriarGrpc.EnrollReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enroll (
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.82 enroll() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnrollRequest, global.briar.↩
BriarGrpc.EnrollReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enroll (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED FOR PHASE 1 EVALUATION Detect and extracts templates from media and enrolls the results in a database

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.83 enroll_subject() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnrollRequest, global.briar.↩
BriarGrpc.EnrollReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enroll_subject (
            grpc::CallOptions options )  [inline], [virtual]
```

DEPRECATED for use only with legacy systems

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.84 enroll_subject() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.EnrollRequest, global.briar.↩
BriarGrpc.EnrollReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.enroll_subject (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

DEPRECATED for use only with legacy systems

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.85 extract() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.ExtractRequest, global.briar.↩
BriarGrpc.ExtractReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.extract (
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Run feature extraction on the provided detection.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.86 extract() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.ExtractRequest, global.briar.↩
BriarGrpc.ExtractReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.extract (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Run feature extraction on the provided detection.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.87 get_service_configuration() [1/2]

```
virtual global.briar.BriarGrpc.BriarServiceConfigurationReply briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.get_service_configuration (
            global::briar.BriarGrpc.BriarServiceConfigurationRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.88 get_service_configuration() [2/2]

```
virtual global.briar.BriarGrpc.BriarServiceConfigurationReply briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.get_service_configuration (
            global::briar.BriarGrpc.BriarServiceConfigurationRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.89 get_service_configurationAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.BriarServiceConfigurationReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceClient.get_service_configurationAsync (
            global::briar.BriarGrpc.BriarServiceConfigurationRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

#### 7.17.3.90 get_service_configurationAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.BriarServiceConfigurationReply> briar.↩
BriarGrpc.BRIARService.BRIARServiceClient.get_service_configurationAsync (
            global::briar.BriarGrpc.BriarServiceConfigurationRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

#### 7.17.3.91 NewInstance()

```
override BRIARServiceClient briar.BriarGrpc.BRIARService.BRIARServiceClient.NewInstance (
            ClientBaseConfiguration configuration )  [inline], [protected]
```

Creates a new instance of client from given `ClientBaseConfiguration`.

#### 7.17.3.92 search() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.SearchRequest, global.briar.↩
BriarGrpc.SearchReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.search (
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Use provided template ids to search a database for that person.

Return a rank ordered list of results with scores.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.93 search() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.SearchRequest, global.briar.↩
BriarGrpc.SearchReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.search (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Use provided template ids to search a database for that person.

Return a rank ordered list of results with scores.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.94 sigset_enroll_custom() [1/2]

```
virtual grpc.AsyncServerStreamingCall<global.briar.BriarGrpc.EnrollReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.sigset_enroll_custom (
            global::briar.BriarGrpc.EnrollCustomRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.95 sigset_enroll_custom() [2/2]

```
virtual grpc.AsyncServerStreamingCall<global.briar.BriarGrpc.EnrollReply> briar.BriarGrpc.↩
BRIARService.BRIARServiceClient.sigset_enroll_custom (
```

```
            global::briar.BriarGrpc.EnrollCustomRequest request,
            grpc::Metadata headers = null,
            global::System.DateTime? deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) ) [inline], [virtual]
```

OPTIONAL FOR PHASE 1 EVALUATION, NOT FOR GENERAL PURPOSE USE

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.96 status() [1/2]

```
virtual global.briar.BriarGrpc.StatusReply briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
status (
            global::briar.BriarGrpc.StatusRequest request,
            grpc::CallOptions options ) [inline], [virtual]
```

REQUIRED Check service status.

After connecting clients should typically call this function to insure that the service is in the READY state.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The response received from the server.

#### 7.17.3.97 status() [2/2]

```
virtual global.briar.BriarGrpc.StatusReply briar.BriarGrpc.BRIARService.BRIARServiceClient.↩
status (
            global::briar.BriarGrpc.StatusRequest request,
            grpc::Metadata headers = null,
```

```
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Check service status.

After connecting clients should typically call this function to insure that the service is in the READY state.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The response received from the server.

#### 7.17.3.98 statusAsync() [1/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.StatusReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.statusAsync (
            global::briar.BriarGrpc.StatusRequest request,
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Check service status.

After connecting clients should typically call this function to insure that the service is in the READY state.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.99 statusAsync() [2/2]

```
virtual grpc.AsyncUnaryCall<global.briar.BriarGrpc.StatusReply> briar.BriarGrpc.BRIARService.↩
BRIARServiceClient.statusAsync (
            global::briar.BriarGrpc.StatusRequest request,
            grpc::Metadata headers = null,
```

```
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Check service status.

After connecting clients should typically call this function to insure that the service is in the READY state.

**Parameters**

| | |
|---|---|
| *request* | The request to send to the server. |
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.100 track() [1/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.TrackRequest, global.briar.↩
BriarGrpc.TrackReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.track (
            grpc::CallOptions options )  [inline], [virtual]
```

OPTIONAL To run tracking on video media.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.101 track() [2/2]

```
virtual grpc.AsyncDuplexStreamingCall<global.briar.BriarGrpc.TrackRequest, global.briar.↩
BriarGrpc.TrackReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.track (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

OPTIONAL To run tracking on video media.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

The call object.

#### 7.17.3.102 verify() [1/2]

```
virtual grpc.AsyncClientStreamingCall<global.briar.BriarGrpc.VerifyRequest, global.briar.↩
BriarGrpc.VerifyReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.verify (
            grpc::CallOptions options )  [inline], [virtual]
```

REQUIRED Compare two template ids and verify if they are the same person.

**Parameters**

| | |
|---|---|
| *options* | The options for the call. |

**Returns**

The call object.

#### 7.17.3.103 verify() [2/2]

```
virtual grpc.AsyncClientStreamingCall<global.briar.BriarGrpc.VerifyRequest, global.briar.↩
BriarGrpc.VerifyReply> briar.BriarGrpc.BRIARService.BRIARServiceClient.verify (
            grpc::Metadata headers = null,
            global::System.DateTime?  deadline = null,
            global::System.Threading.CancellationToken cancellationToken = default(global:↩
:System.Threading.CancellationToken) )  [inline], [virtual]
```

REQUIRED Compare two template ids and verify if they are the same person.

**Parameters**

| | |
|---|---|
| *headers* | The initial metadata to send with the call. This parameter is optional. |
| *deadline* | An optional deadline for the call. The call will be cancelled if deadline is hit. |
| *cancellationToken* | An optional token for canceling the call. |

**Returns**

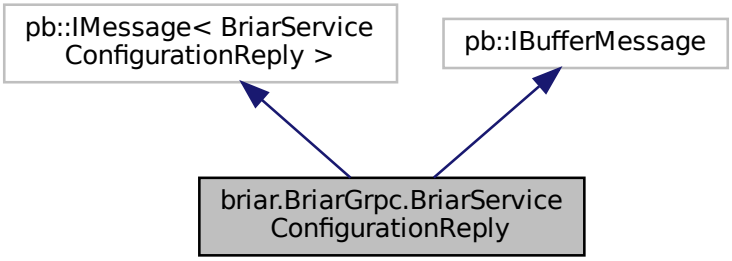
The call object.

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

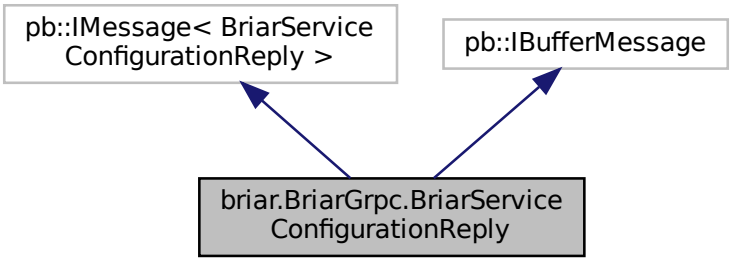
- /home/qdb/git/briar-api/lib/csharp/briar/briar_grpc/BriarServiceGrpc.cs

## 7.18 briar.BriarGrpc.BriarServiceConfigurationReply Class Reference

Inheritance diagram for briar.BriarGrpc.BriarServiceConfigurationReply:




Collaboration diagram for briar.BriarGrpc.BriarServiceConfigurationReply:




### Public Member Functions

- BriarServiceConfigurationReply ()
- BriarServiceConfigurationReply (BriarServiceConfigurationReply other)
- int CalculateSize ()
- BriarServiceConfigurationReply Clone ()

- bool Equals (BriarServiceConfigurationReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarServiceConfigurationReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int BasePortFieldNumber = 5

  *Field number for the "base_port" field.*
- const int NumberOfProcessesPerPortFieldNumber = 2

  *Field number for the "number_of_processes_per_port" field.*
- const int NumberOfServicePortsFieldNumber = 1

  *Field number for the "number_of_service_ports" field.*
- const int NumberOfThreadsPerProcessFieldNumber = 3

  *Field number for the "number_of_threads_per_process" field.*
- const int PortListFieldNumber = 6

  *Field number for the "port_list" field.*
- const int ReportingProcessNumberFieldNumber = 4

  *Field number for the "reporting_process_number" field.*

## Properties

- string BasePort `[get, set]`

  *REQUIRED: the base port we should use as point-of-contact for main API calls.*
- static pbr::MessageDescriptor Descriptor `[get]`
- int NumberOfProcessesPerPort `[get, set]`

  *REQUIRED: the amount of simultaneous processes that are running on each port (python processes dont share resources, they fork them)*
- int NumberOfServicePorts `[get, set]`

  *REQUIRED: the amount of different addresses your system will be using (e.g.*
- int NumberOfThreadsPerProcess `[get, set]`

  *REQUIRED: the amount of simultaneous threads running within each process (python threads do usually share reesources, but are constrained by the GIL)*
- static pb::MessageParser< BriarServiceConfigurationReply > Parser `[get]`
- pbc::RepeatedField< string > PortList `[get]`

  *Required: the list of ports that are running your services.*
- int ReportingProcessNumber `[get, set]`

  *REQUIRED: the process PID that is reporting this request*

### 7.18.1 Constructor & Destructor Documentation

#### 7.18.1.1 BriarServiceConfigurationReply() [1/2]

```
briar.BriarGrpc.BriarServiceConfigurationReply.BriarServiceConfigurationReply ( )  [inline]
```

#### 7.18.1.2 BriarServiceConfigurationReply() [2/2]

```
briar.BriarGrpc.BriarServiceConfigurationReply.BriarServiceConfigurationReply (
            BriarServiceConfigurationReply other )  [inline]
```

### 7.18.2 Member Function Documentation

#### 7.18.2.1 CalculateSize()

```
int briar.BriarGrpc.BriarServiceConfigurationReply.CalculateSize ( )  [inline]
```

#### 7.18.2.2 Clone()

```
BriarServiceConfigurationReply briar.BriarGrpc.BriarServiceConfigurationReply.Clone ( )  [inline]
```

#### 7.18.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarServiceConfigurationReply.Equals (
            BriarServiceConfigurationReply other )  [inline]
```

#### 7.18.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarServiceConfigurationReply.Equals (
            object other )  [inline]
```

#### 7.18.2.5 GetHashCode()

```
override int briar.BriarGrpc.BriarServiceConfigurationReply.GetHashCode ( )  [inline]
```

#### 7.18.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarServiceConfigurationReply.MergeFrom (
            BriarServiceConfigurationReply other )  [inline]
```

#### 7.18.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarServiceConfigurationReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.18.2.8 ToString()

```
override string briar.BriarGrpc.BriarServiceConfigurationReply.ToString ( )  [inline]
```

#### 7.18.2.9 WriteTo()

```
void briar.BriarGrpc.BriarServiceConfigurationReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.18.3 Member Data Documentation

#### 7.18.3.1 BasePortFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.BasePortFieldNumber = 5  [static]
```

Field number for the "base_port" field.

#### 7.18.3.2 NumberOfProcessesPerPortFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfProcessesPerPortFieldNumber =
2  [static]
```

Field number for the "number_of_processes_per_port" field.

#### 7.18.3.3 NumberOfServicePortsFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfServicePortsFieldNumber = 1
[static]
```

Field number for the "number_of_service_ports" field.

#### 7.18.3.4 NumberOfThreadsPerProcessFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfThreadsPerProcessFieldNumber
= 3  [static]
```

Field number for the "number_of_threads_per_process" field.

#### 7.18.3.5 PortListFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.PortListFieldNumber = 6  [static]
```

Field number for the "port_list" field.

#### 7.18.3.6 ReportingProcessNumberFieldNumber

```
const int briar.BriarGrpc.BriarServiceConfigurationReply.ReportingProcessNumberFieldNumber = 4
[static]
```

Field number for the "reporting_process_number" field.

### 7.18.4 Property Documentation

#### 7.18.4.1 BasePort

```
string briar.BriarGrpc.BriarServiceConfigurationReply.BasePort  [get], [set]
```

REQUIRED: the base port we should use as point-of-contact for main API calls.

If you have a single service, this is your services port

#### 7.18.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarServiceConfigurationReply.Descriptor [static],
[get]
```

#### 7.18.4.3 NumberOfProcessesPerPort

```
int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfProcessesPerPort [get], [set]
```

REQUIRED: the amount of simultaneous processes that are running on each port (python processes dont share resources, they fork them)

#### 7.18.4.4 NumberOfServicePorts

```
int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfServicePorts [get], [set]
```

REQUIRED: the amount of different addresses your system will be using (e.g.

2 if using localhost:50051 and 50052)

#### 7.18.4.5 NumberOfThreadsPerProcess

```
int briar.BriarGrpc.BriarServiceConfigurationReply.NumberOfThreadsPerProcess [get], [set]
```

REQUIRED: the amount of simultaneous threads running within each process (python threads do usually share reesources, but are constrained by the GIL)

#### 7.18.4.6 Parser

```
pb.MessageParser<BriarServiceConfigurationReply> briar.BriarGrpc.BriarServiceConfiguration↩
Reply.Parser [static], [get]
```

#### 7.18.4.7 PortList

```
pbc.RepeatedField<string> briar.BriarGrpc.BriarServiceConfigurationReply.PortList [get]
```

Required: the list of ports that are running your services.

If you have a single service, this will contain just the base port.

#### 7.18.4.8 ReportingProcessNumber

```
int briar.BriarGrpc.BriarServiceConfigurationReply.ReportingProcessNumber  [get], [set]
```

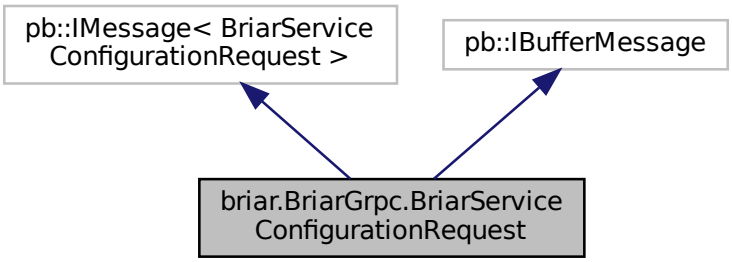
REQUIRED: the process PID that is reporting this request

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

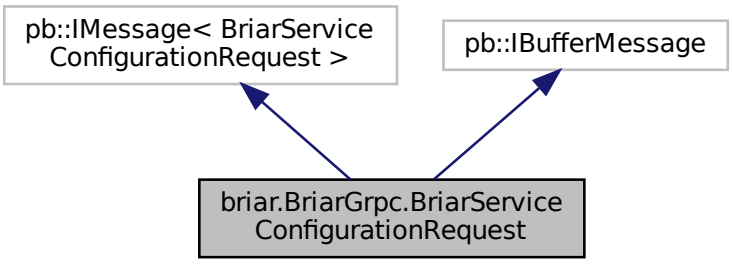
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.19 briar.BriarGrpc.BriarServiceConfigurationRequest Class Reference

Inheritance diagram for briar.BriarGrpc.BriarServiceConfigurationRequest:




Collaboration diagram for briar.BriarGrpc.BriarServiceConfigurationRequest:



## Public Member Functions

- BriarServiceConfigurationRequest ()
- BriarServiceConfigurationRequest (BriarServiceConfigurationRequest other)
- int CalculateSize ()
- BriarServiceConfigurationRequest Clone ()
- bool Equals (BriarServiceConfigurationRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarServiceConfigurationRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< BriarServiceConfigurationRequest > Parser `[get]`

### 7.19.1 Constructor & Destructor Documentation

#### 7.19.1.1 BriarServiceConfigurationRequest() [1/2]

```
briar.BriarGrpc.BriarServiceConfigurationRequest.BriarServiceConfigurationRequest ( )  [inline]
```

#### 7.19.1.2 BriarServiceConfigurationRequest() [2/2]

```
briar.BriarGrpc.BriarServiceConfigurationRequest.BriarServiceConfigurationRequest (
            BriarServiceConfigurationRequest other )  [inline]
```

### 7.19.2 Member Function Documentation

#### 7.19.2.1 CalculateSize()

```
int briar.BriarGrpc.BriarServiceConfigurationRequest.CalculateSize ( )  [inline]
```

#### 7.19.2.2 Clone()

```
BriarServiceConfigurationRequest briar.BriarGrpc.BriarServiceConfigurationRequest.Clone ( )
[inline]
```

#### 7.19.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarServiceConfigurationRequest.Equals (
            BriarServiceConfigurationRequest other )  [inline]
```

#### 7.19.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarServiceConfigurationRequest.Equals (
            object other )  [inline]
```

#### 7.19.2.5 GetHashCode()

```
override int briar.BriarGrpc.BriarServiceConfigurationRequest.GetHashCode ( )  [inline]
```

#### 7.19.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarServiceConfigurationRequest.MergeFrom (
            BriarServiceConfigurationRequest other )  [inline]
```

#### 7.19.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarServiceConfigurationRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.19.2.8 ToString()

```
override string briar.BriarGrpc.BriarServiceConfigurationRequest.ToString ( )  [inline]
```

#### 7.19.2.9 WriteTo()

```
void briar.BriarGrpc.BriarServiceConfigurationRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.19.3 Property Documentation

#### 7.19.3.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarServiceConfigurationRequest.Descriptor  [static],
[get]
```

#### 7.19.3.2 Parser

```
pb.MessageParser<BriarServiceConfigurationRequest> briar.BriarGrpc.BriarServiceConfiguration↩
Request.Parser  [static], [get]
```

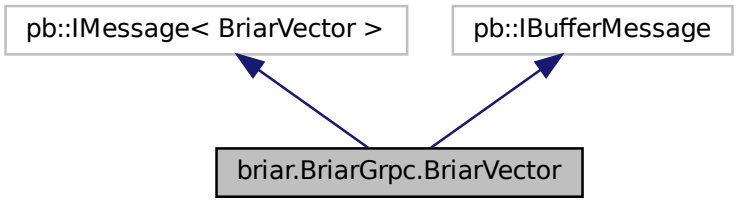
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

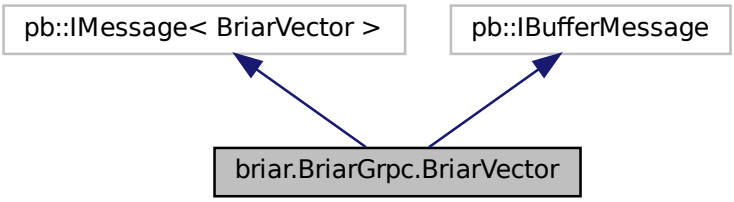
## 7.20 briar.BriarGrpc.BriarVector Class Reference

message to hold a vector

Inheritance diagram for briar.BriarGrpc.BriarVector:



Collaboration diagram for briar.BriarGrpc.BriarVector:




## Public Member Functions

- BriarVector ()
- BriarVector (BriarVector other)
- int CalculateSize ()
- BriarVector Clone ()
- bool Equals (BriarVector other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (BriarVector other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DataFieldNumber = 1

  *Field number for the "data" field.*

## Properties

- pbc::RepeatedField< float > Data `[get]`

  *arbitrary length array to store vector*
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< BriarVector > Parser `[get]`

### 7.20.1 Detailed Description

message to hold a vector

### 7.20.2 Constructor & Destructor Documentation

#### 7.20.2.1 BriarVector() [1/2]

```
briar.BriarGrpc.BriarVector.BriarVector ( )  [inline]
```

#### 7.20.2.2 BriarVector() [2/2]

```
briar.BriarGrpc.BriarVector.BriarVector (
            BriarVector other )  [inline]
```

### 7.20.3 Member Function Documentation

#### 7.20.3.1 CalculateSize()

```
int briar.BriarGrpc.BriarVector.CalculateSize ( )  [inline]
```

#### 7.20.3.2 Clone()

```
BriarVector briar.BriarGrpc.BriarVector.Clone ( )  [inline]
```

#### 7.20.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.BriarVector.Equals (
            BriarVector other )  [inline]
```

#### 7.20.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.BriarVector.Equals (
            object other )  [inline]
```

#### 7.20.3.5 GetHashCode()

```
override int briar.BriarGrpc.BriarVector.GetHashCode ( )  [inline]
```

#### 7.20.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.BriarVector.MergeFrom (
            BriarVector other )  [inline]
```

#### 7.20.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.BriarVector.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.20.3.8 ToString()

```
override string briar.BriarGrpc.BriarVector.ToString ( )  [inline]
```

#### 7.20.3.9 WriteTo()

```
void briar.BriarGrpc.BriarVector.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.20.4 Member Data Documentation

#### 7.20.4.1 DataFieldNumber

```
const int briar.BriarGrpc.BriarVector.DataFieldNumber = 1  [static]
```

Field number for the "data" field.

### 7.20.5 Property Documentation

#### 7.20.5.1 Data

```
pbc.RepeatedField<float> briar.BriarGrpc.BriarVector.Data  [get]
```

arbitrary length array to store vector

#### 7.20.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.BriarVector.Descriptor  [static], [get]
```

#### 7.20.5.3 Parser

```
pb.MessageParser<BriarVector> briar.BriarGrpc.BriarVector.Parser  [static], [get]
```

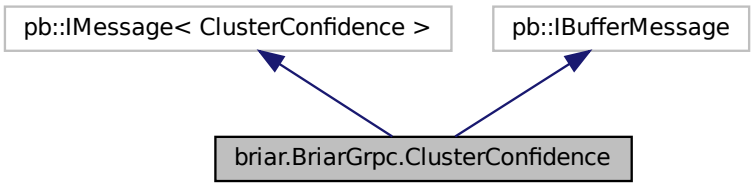
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

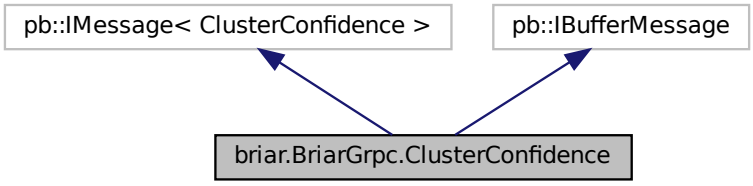
## 7.21 briar.BriarGrpc.ClusterConfidence Class Reference

A messageure to represent a list of cluster confidence objects.

Inheritance diagram for briar.BriarGrpc.ClusterConfidence:




Collaboration diagram for briar.BriarGrpc.ClusterConfidence:



## Public Member Functions

- int CalculateSize ()
- ClusterConfidence Clone ()
- ClusterConfidence ()
- ClusterConfidence (ClusterConfidence other)
- bool Equals (ClusterConfidence other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (ClusterConfidence other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ConfidencesFieldNumber = 1

  *Field number for the "confidences" field.*

## Properties

- double Confidences `[get, set]`

  *Confidence of the cluster*
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< ClusterConfidence > Parser `[get]`

### 7.21.1 Detailed Description

A messageure to represent a list of cluster confidence objects.

### 7.21.2 Constructor & Destructor Documentation

#### 7.21.2.1 ClusterConfidence() [1/2]

```
briar.BriarGrpc.ClusterConfidence.ClusterConfidence ( )  [inline]
```

#### 7.21.2.2 ClusterConfidence() [2/2]

```
briar.BriarGrpc.ClusterConfidence.ClusterConfidence (
            ClusterConfidence other )  [inline]
```

## 7.21.3 Member Function Documentation

### 7.21.3.1 CalculateSize()

```
int briar.BriarGrpc.ClusterConfidence.CalculateSize ( )  [inline]
```

### 7.21.3.2 Clone()

```
ClusterConfidence briar.BriarGrpc.ClusterConfidence.Clone ( )  [inline]
```

### 7.21.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.ClusterConfidence.Equals (
            ClusterConfidence other )  [inline]
```

### 7.21.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ClusterConfidence.Equals (
            object other )  [inline]
```

### 7.21.3.5 GetHashCode()

```
override int briar.BriarGrpc.ClusterConfidence.GetHashCode ( )  [inline]
```

### 7.21.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ClusterConfidence.MergeFrom (
            ClusterConfidence other )  [inline]
```

#### 7.21.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ClusterConfidence.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.21.3.8 ToString()

```
override string briar.BriarGrpc.ClusterConfidence.ToString ( )  [inline]
```

#### 7.21.3.9 WriteTo()

```
void briar.BriarGrpc.ClusterConfidence.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.21.4 Member Data Documentation

#### 7.21.4.1 ConfidencesFieldNumber

```
const int briar.BriarGrpc.ClusterConfidence.ConfidencesFieldNumber = 1  [static]
```

Field number for the "confidences" field.

### 7.21.5 Property Documentation

#### 7.21.5.1 Confidences

```
double briar.BriarGrpc.ClusterConfidence.Confidences  [get], [set]
```

Confidence of the cluster

#### 7.21.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ClusterConfidence.Descriptor  [static], [get]
```

#### 7.21.5.3 Parser

```
pb.MessageParser<ClusterConfidence> briar.BriarGrpc.ClusterConfidence.Parser  [static], [get]
```

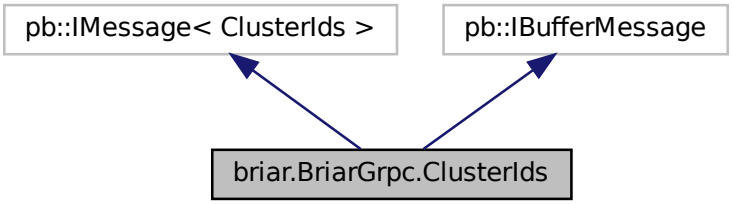
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

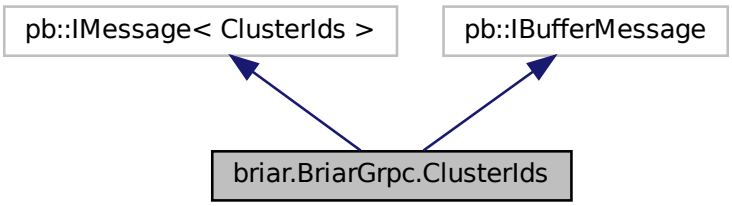
## 7.22 briar.BriarGrpc.ClusterIds Class Reference

A message to represent a list of cluster ids objects.

Inheritance diagram for briar.BriarGrpc.ClusterIds:




Collaboration diagram for briar.BriarGrpc.ClusterIds:




### Public Member Functions

- int CalculateSize ()
- ClusterIds Clone ()
- ClusterIds ()
- ClusterIds (ClusterIds other)
- bool Equals (ClusterIds other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (ClusterIds other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int IdsFieldNumber = 1

  *Field number for the "ids" field.*

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< string > Ids `[get]`

  *List of ids to cluster*
- static pb::MessageParser< ClusterIds > Parser `[get]`

## 7.22.1 Detailed Description

A message to represent a list of cluster ids objects.

## 7.22.2 Constructor & Destructor Documentation

### 7.22.2.1 ClusterIds() [1/2]

```
briar.BriarGrpc.ClusterIds.ClusterIds ( )  [inline]
```

### 7.22.2.2 ClusterIds() [2/2]

```
briar.BriarGrpc.ClusterIds.ClusterIds (
            ClusterIds other )  [inline]
```

## 7.22.3 Member Function Documentation

### 7.22.3.1 CalculateSize()

```
int briar.BriarGrpc.ClusterIds.CalculateSize ( )  [inline]
```

#### 7.22.3.2 Clone()

```
ClusterIds briar.BriarGrpc.ClusterIds.Clone ( )  [inline]
```

#### 7.22.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.ClusterIds.Equals (
            ClusterIds other )  [inline]
```

#### 7.22.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ClusterIds.Equals (
            object other )  [inline]
```

#### 7.22.3.5 GetHashCode()

```
override int briar.BriarGrpc.ClusterIds.GetHashCode ( )  [inline]
```

#### 7.22.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ClusterIds.MergeFrom (
            ClusterIds other )  [inline]
```

#### 7.22.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ClusterIds.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.22.3.8 ToString()

```
override string briar.BriarGrpc.ClusterIds.ToString ( )  [inline]
```

#### 7.22.3.9 WriteTo()

```
void briar.BriarGrpc.ClusterIds.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.22.4 Member Data Documentation

#### 7.22.4.1 IdsFieldNumber

```
const int briar.BriarGrpc.ClusterIds.IdsFieldNumber = 1  [static]
```

Field number for the "ids" field.

### 7.22.5 Property Documentation

#### 7.22.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ClusterIds.Descriptor  [static], [get]
```

#### 7.22.5.2 Ids

```
pbc.RepeatedField<string> briar.BriarGrpc.ClusterIds.Ids  [get]
```

List of ids to cluster

#### 7.22.5.3 Parser

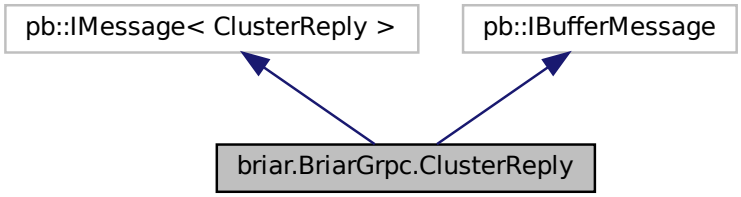
```
pb.MessageParser<ClusterIds> briar.BriarGrpc.ClusterIds.Parser  [static], [get]
```

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

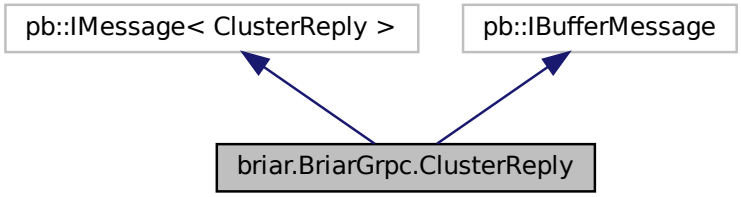
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.23 briar.BriarGrpc.ClusterReply Class Reference

Inheritance diagram for briar.BriarGrpc.ClusterReply:




Collaboration diagram for briar.BriarGrpc.ClusterReply:




### Public Member Functions

- int CalculateSize ()
- ClusterReply Clone ()
- ClusterReply ()
- ClusterReply (ClusterReply other)
- bool Equals (ClusterReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (ClusterReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ClusterConfidencesFieldNumber = 2

  *Field number for the "cluster_confidences" field.*
- const int ClusterIdsFieldNumber = 1

  *Field number for the "cluster_ids" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 4

  *Field number for the "errors" field.*
- const int ProgressFieldNumber = 5

  *Field number for the "progress" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.ClusterConfidence > ClusterConfidences `[get]`

  *UNIMPLEMENTED: List of the cluster confidences*
- pbc::RepeatedField< global::briar.BriarGrpc.ClusterIds > ClusterIds `[get]`

  *UNIMPLEMENTED:List of clustered ids*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *UNIMPLEMENTED: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *UNIMPLEMENTED: Indicate any errors or warnings.*
- static pb::MessageParser< ClusterReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *UNIMPLEMENTED:: provides progress updates for progress bar display.*

### 7.23.1 Constructor & Destructor Documentation

#### 7.23.1.1 ClusterReply() [1/2]

```
briar.BriarGrpc.ClusterReply.ClusterReply ( )  [inline]
```

#### 7.23.1.2 ClusterReply() [2/2]

```
briar.BriarGrpc.ClusterReply.ClusterReply (
            ClusterReply other )  [inline]
```

### 7.23.2 Member Function Documentation

#### 7.23.2.1 CalculateSize()

```
int briar.BriarGrpc.ClusterReply.CalculateSize ( )  [inline]
```

#### 7.23.2.2 Clone()

```
ClusterReply briar.BriarGrpc.ClusterReply.Clone ( )  [inline]
```

#### 7.23.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.ClusterReply.Equals (
            ClusterReply other )  [inline]
```

#### 7.23.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ClusterReply.Equals (
            object other )  [inline]
```

#### 7.23.2.5 GetHashCode()

```
override int briar.BriarGrpc.ClusterReply.GetHashCode ( )  [inline]
```

#### 7.23.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ClusterReply.MergeFrom (
            ClusterReply other )  [inline]
```

#### 7.23.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ClusterReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.23.2.8 ToString()

```
override string briar.BriarGrpc.ClusterReply.ToString ( )  [inline]
```

#### 7.23.2.9 WriteTo()

```
void briar.BriarGrpc.ClusterReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.23.3 Member Data Documentation

#### 7.23.3.1 ClusterConfidencesFieldNumber

```
const int briar.BriarGrpc.ClusterReply.ClusterConfidencesFieldNumber = 2  [static]
```

Field number for the "cluster_confidences" field.

#### 7.23.3.2 ClusterIdsFieldNumber

```
const int briar.BriarGrpc.ClusterReply.ClusterIdsFieldNumber = 1  [static]
```

Field number for the "cluster_ids" field.

#### 7.23.3.3 DurationsFieldNumber

```
const int briar.BriarGrpc.ClusterReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.23.3.4 ErrorsFieldNumber

```
const int briar.BriarGrpc.ClusterReply.ErrorsFieldNumber = 4  [static]
```

Field number for the "errors" field.

#### 7.23.3.5 ProgressFieldNumber

```
const int briar.BriarGrpc.ClusterReply.ProgressFieldNumber = 5  [static]
```

Field number for the "progress" field.

### 7.23.4 Property Documentation

#### 7.23.4.1 ClusterConfidences

```
pbc.RepeatedField<global.briar.BriarGrpc.ClusterConfidence> briar.BriarGrpc.ClusterReply.↩
ClusterConfidences  [get]
```

UNIMPLEMENTED: List of the cluster confidences

#### 7.23.4.2 ClusterIds

```
pbc.RepeatedField<global.briar.BriarGrpc.ClusterIds> briar.BriarGrpc.ClusterReply.ClusterIds
[get]
```

UNIMPLEMENTED:List of clustered ids

#### 7.23.4.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ClusterReply.Descriptor  [static], [get]
```

#### 7.23.4.4 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.ClusterReply.Durations  [get], [set]
```

UNIMPLEMENTED: Log the time needed to complete the request on the server

#### 7.23.4.5 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.ClusterReply.Errors  [get], [set]
```

UNIMPLEMENTED: Indicate any errors or warnings.

#### 7.23.4.6 Parser

```
pb.MessageParser<ClusterReply> briar.BriarGrpc.ClusterReply.Parser  [static], [get]
```

#### 7.23.4.7 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.ClusterReply.Progress  [get], [set]
```

UNIMPLEMENTED:: provides progress updates for progress bar display.

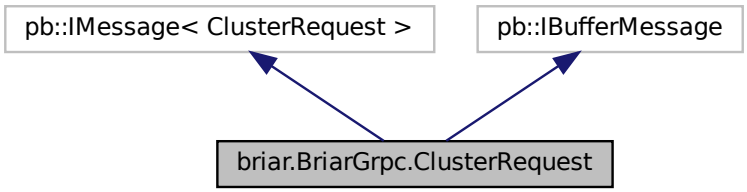
See example code for details

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

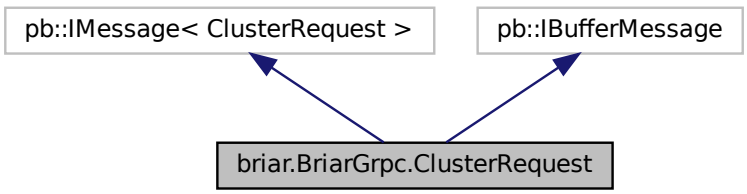
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.24 briar.BriarGrpc.ClusterRequest Class Reference

Inheritance diagram for briar.BriarGrpc.ClusterRequest:




Collaboration diagram for briar.BriarGrpc.ClusterRequest:



## Public Member Functions

- int CalculateSize ()
- ClusterRequest Clone ()
- ClusterRequest ()
- ClusterRequest (ClusterRequest other)
- bool Equals (ClusterRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (ClusterRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *UNIMPLEMENTED: Run clustering on a database of templates to group templates by person*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *UNIMPLEMENTED: Log the time needed to complete the request on the server*
- static pb::MessageParser< ClusterRequest > Parser `[get]`

### 7.24.1 Constructor & Destructor Documentation

#### 7.24.1.1 ClusterRequest() [1/2]

```
briar.BriarGrpc.ClusterRequest.ClusterRequest ( )  [inline]
```

#### 7.24.1.2 ClusterRequest() [2/2]

```
briar.BriarGrpc.ClusterRequest.ClusterRequest (
            ClusterRequest other )  [inline]
```

## 7.24.2 Member Function Documentation

### 7.24.2.1 CalculateSize()

```
int briar.BriarGrpc.ClusterRequest.CalculateSize ( )  [inline]
```

### 7.24.2.2 Clone()

```
ClusterRequest briar.BriarGrpc.ClusterRequest.Clone ( )  [inline]
```

### 7.24.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.ClusterRequest.Equals (
            ClusterRequest other )  [inline]
```

### 7.24.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ClusterRequest.Equals (
            object other )  [inline]
```

### 7.24.2.5 GetHashCode()

```
override int briar.BriarGrpc.ClusterRequest.GetHashCode ( )  [inline]
```

### 7.24.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ClusterRequest.MergeFrom (
            ClusterRequest other )  [inline]
```

#### 7.24.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ClusterRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.24.2.8 ToString()

```
override string briar.BriarGrpc.ClusterRequest.ToString ( )  [inline]
```

#### 7.24.2.9 WriteTo()

```
void briar.BriarGrpc.ClusterRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.24.3 Member Data Documentation

#### 7.24.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.ClusterRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.24.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.ClusterRequest.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

### 7.24.4 Property Documentation

#### 7.24.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.ClusterRequest.Database  [get], [set]
```

UNIMPLEMENTED: Run clustering on a database of templates to group templates by person

#### 7.24.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ClusterRequest.Descriptor  [static], [get]
```

#### 7.24.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.ClusterRequest.Durations  [get], [set]
```

UNIMPLEMENTED: Log the time needed to complete the request on the server

#### 7.24.4.4 Parser

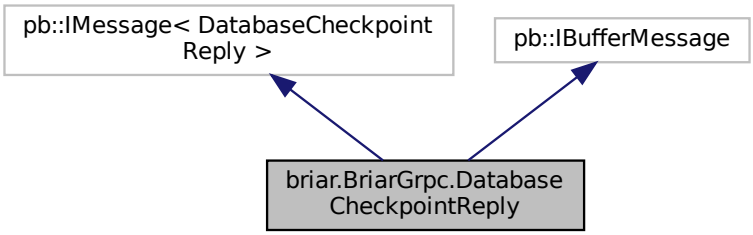
```
pb.MessageParser<ClusterRequest> briar.BriarGrpc.ClusterRequest.Parser  [static], [get]
```

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

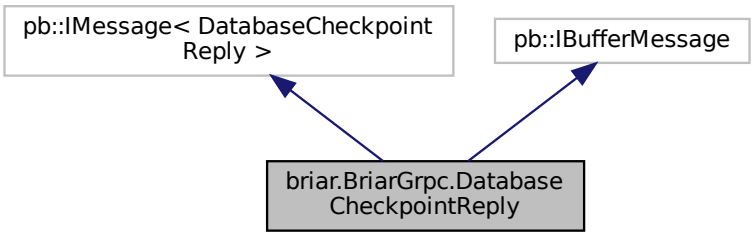
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.25 briar.BriarGrpc.DatabaseCheckpointReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseCheckpointReply:




Collaboration diagram for briar.BriarGrpc.DatabaseCheckpointReply:



## Public Member Functions

- int CalculateSize ()
- DatabaseCheckpointReply Clone ()
- DatabaseCheckpointReply ()
- DatabaseCheckpointReply (DatabaseCheckpointReply other)
- bool Equals (DatabaseCheckpointReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseCheckpointReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 4

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- bool Exists `[get, set]`

  *REQUIRED: set to true if the requested database exists and the reply is populated correctly*
- static pb::MessageParser< DatabaseCheckpointReply > Parser `[get]`

### 7.25.1 Constructor & Destructor Documentation

#### 7.25.1.1 DatabaseCheckpointReply() [1/2]

```
briar.BriarGrpc.DatabaseCheckpointReply.DatabaseCheckpointReply ( )  [inline]
```

#### 7.25.1.2 DatabaseCheckpointReply() [2/2]

```
briar.BriarGrpc.DatabaseCheckpointReply.DatabaseCheckpointReply (
            DatabaseCheckpointReply other )  [inline]
```

## 7.25.2 Member Function Documentation

### 7.25.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseCheckpointReply.CalculateSize ( )  [inline]
```

### 7.25.2.2 Clone()

```
DatabaseCheckpointReply briar.BriarGrpc.DatabaseCheckpointReply.Clone ( )  [inline]
```

### 7.25.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseCheckpointReply.Equals (
            DatabaseCheckpointReply other )  [inline]
```

### 7.25.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseCheckpointReply.Equals (
            object other )  [inline]
```

### 7.25.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseCheckpointReply.GetHashCode ( )  [inline]
```

### 7.25.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseCheckpointReply.MergeFrom (
            DatabaseCheckpointReply other )  [inline]
```

#### 7.25.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseCheckpointReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.25.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseCheckpointReply.ToString ( )  [inline]
```

#### 7.25.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseCheckpointReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.25.3 Member Data Documentation

#### 7.25.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.25.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.25.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointReply.ExistsFieldNumber = 4  [static]
```

Field number for the "exists" field.

### 7.25.4 Property Documentation

#### 7.25.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseCheckpointReply.Descriptor  [static], [get]
```

#### 7.25.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseCheckpointReply.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.25.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseCheckpointReply.Errors  [get], [set]
```

#### 7.25.4.4 Exists

```
bool briar.BriarGrpc.DatabaseCheckpointReply.Exists  [get], [set]
```

REQUIRED: set to true if the requested database exists and the reply is populated correctly

#### 7.25.4.5 Parser

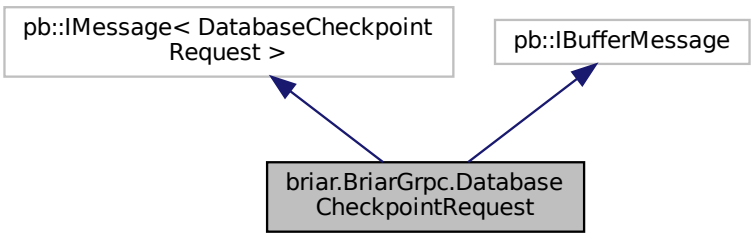
```
pb.MessageParser<DatabaseCheckpointReply> briar.BriarGrpc.DatabaseCheckpointReply.Parser
[static], [get]
```

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

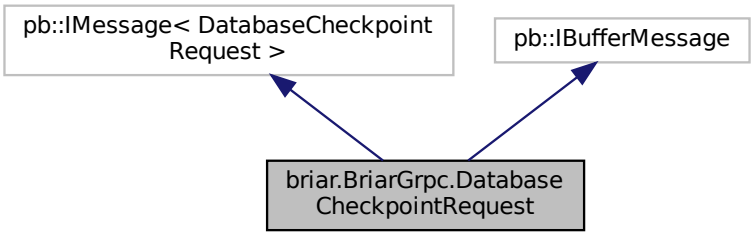
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.26 briar.BriarGrpc.DatabaseCheckpointRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseCheckpointRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseCheckpointRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseCheckpointRequest Clone ()
- DatabaseCheckpointRequest ()
- DatabaseCheckpointRequest (DatabaseCheckpointRequest other)
- bool Equals (DatabaseCheckpointRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseCheckpointRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Name of database to create*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- static pb::MessageParser< DatabaseCheckpointRequest > Parser `[get]`

### 7.26.1 Constructor & Destructor Documentation

#### 7.26.1.1 DatabaseCheckpointRequest() [1/2]

```
briar.BriarGrpc.DatabaseCheckpointRequest.DatabaseCheckpointRequest ( )  [inline]
```

#### 7.26.1.2 DatabaseCheckpointRequest() [2/2]

```
briar.BriarGrpc.DatabaseCheckpointRequest.DatabaseCheckpointRequest (
            DatabaseCheckpointRequest other )  [inline]
```

### 7.26.2 Member Function Documentation

#### 7.26.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseCheckpointRequest.CalculateSize ( )  [inline]
```

#### 7.26.2.2 Clone()

```
DatabaseCheckpointRequest briar.BriarGrpc.DatabaseCheckpointRequest.Clone ( )  [inline]
```

#### 7.26.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseCheckpointRequest.Equals (
            DatabaseCheckpointRequest other )  [inline]
```

#### 7.26.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseCheckpointRequest.Equals (
            object other )  [inline]
```

#### 7.26.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseCheckpointRequest.GetHashCode ( )  [inline]
```

#### 7.26.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseCheckpointRequest.MergeFrom (
            DatabaseCheckpointRequest other )  [inline]
```

#### 7.26.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseCheckpointRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.26.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseCheckpointRequest.ToString ( )  [inline]
```

#### 7.26.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseCheckpointRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.26.3 Member Data Documentation

#### 7.26.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.26.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointRequest.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.26.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointRequest.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

### 7.26.4 Property Documentation

#### 7.26.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseCheckpointRequest.Database  [get],
[set]
```

REQUIRED: Name of database to create

#### 7.26.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseCheckpointRequest.Descriptor  [static], [get]
```

#### 7.26.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseCheckpointRequest.Durations
[get], [set]
```

Log the time needed to complete the request on the server

#### 7.26.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseCheckpointRequest.Errors  [get],
[set]
```

#### 7.26.4.5 Parser

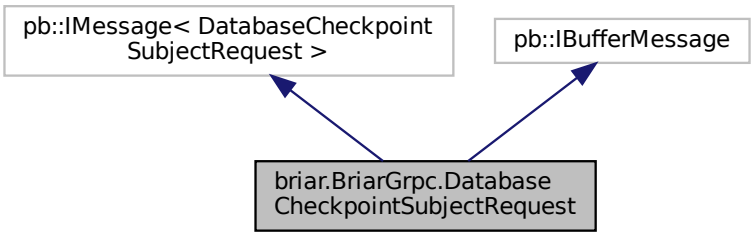
```
pb.MessageParser<DatabaseCheckpointRequest> briar.BriarGrpc.DatabaseCheckpointRequest.Parser
[static], [get]
```

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

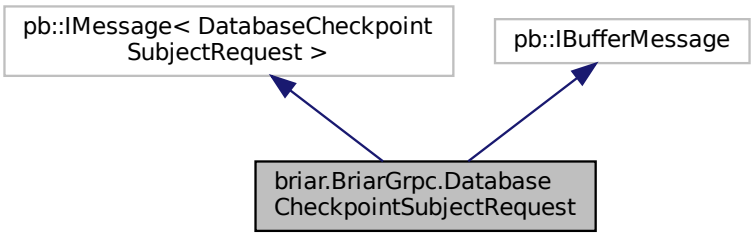
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.27 briar.BriarGrpc.DatabaseCheckpointSubjectRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseCheckpointSubjectRequest:



Collaboration diagram for briar.BriarGrpc.DatabaseCheckpointSubjectRequest:




## Public Member Functions

- int CalculateSize ()
- DatabaseCheckpointSubjectRequest Clone ()
- DatabaseCheckpointSubjectRequest ()
- DatabaseCheckpointSubjectRequest (DatabaseCheckpointSubjectRequest other)
- bool Equals (DatabaseCheckpointSubjectRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseCheckpointSubjectRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int SubjectIdFieldNumber = 2

  *Field number for the "subject_id" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Name of database to create*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- static pb::MessageParser< DatabaseCheckpointSubjectRequest > Parser `[get]`
- string SubjectId `[get, set]`

  *REQUIRED: Name of subject to finalize within database*

## 7.27.1 Constructor & Destructor Documentation

### 7.27.1.1 DatabaseCheckpointSubjectRequest() [1/2]

```
briar.BriarGrpc.DatabaseCheckpointSubjectRequest.DatabaseCheckpointSubjectRequest ( )  [inline]
```

### 7.27.1.2 DatabaseCheckpointSubjectRequest() [2/2]

```
briar.BriarGrpc.DatabaseCheckpointSubjectRequest.DatabaseCheckpointSubjectRequest (
            DatabaseCheckpointSubjectRequest other )  [inline]
```

## 7.27.2 Member Function Documentation

### 7.27.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.CalculateSize ( )  [inline]
```

### 7.27.2.2 Clone()

```
DatabaseCheckpointSubjectRequest briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Clone ( )
[inline]
```

### 7.27.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Equals (
            DatabaseCheckpointSubjectRequest other )  [inline]
```

### 7.27.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Equals (
            object other )  [inline]
```

#### 7.27.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.GetHashCode ( )  [inline]
```

#### 7.27.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseCheckpointSubjectRequest.MergeFrom (
            DatabaseCheckpointSubjectRequest other )  [inline]
```

#### 7.27.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseCheckpointSubjectRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.27.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseCheckpointSubjectRequest.ToString ( )  [inline]
```

#### 7.27.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseCheckpointSubjectRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.27.3 Member Data Documentation

#### 7.27.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.27.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.27.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.27.3.4 SubjectIdFieldNumber

```
const int briar.BriarGrpc.DatabaseCheckpointSubjectRequest.SubjectIdFieldNumber = 2  [static]
```

Field number for the "subject_id" field.

### 7.27.4 Property Documentation

#### 7.27.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Database
[get], [set]
```

REQUIRED: Name of database to create

#### 7.27.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Descriptor  [static],
[get]
```

#### 7.27.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseCheckpointSubjectRequest.↩
Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.27.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseCheckpointSubjectRequest.Errors
[get], [set]
```

#### 7.27.4.5 Parser

```
pb.MessageParser<DatabaseCheckpointSubjectRequest> briar.BriarGrpc.DatabaseCheckpointSubject↩
Request.Parser  [static], [get]
```

#### 7.27.4.6 SubjectId

```
string briar.BriarGrpc.DatabaseCheckpointSubjectRequest.SubjectId  [get], [set]
```

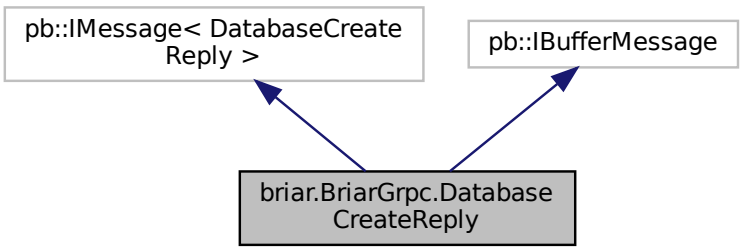
REQUIRED: Name of subject to finalize within database

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

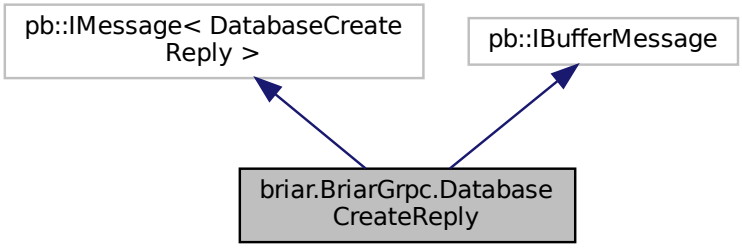
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.28 briar.BriarGrpc.DatabaseCreateReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseCreateReply:



Collaboration diagram for briar.BriarGrpc.DatabaseCreateReply:




## Public Member Functions

- int CalculateSize ()
- DatabaseCreateReply Clone ()
- DatabaseCreateReply ()
- DatabaseCreateReply (DatabaseCreateReply other)
- bool Equals (DatabaseCreateReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseCreateReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int IdsFieldNumber = 1

  *Field number for the "ids" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`

  *OPTIONAL: template IDs that new database has been created with*
- static pb::MessageParser< DatabaseCreateReply > Parser `[get]`

## 7.28.1 Constructor & Destructor Documentation

### 7.28.1.1 DatabaseCreateReply() [1/2]

```
briar.BriarGrpc.DatabaseCreateReply.DatabaseCreateReply ( )  [inline]
```

### 7.28.1.2 DatabaseCreateReply() [2/2]

```
briar.BriarGrpc.DatabaseCreateReply.DatabaseCreateReply (
            DatabaseCreateReply other )  [inline]
```

## 7.28.2 Member Function Documentation

### 7.28.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseCreateReply.CalculateSize ( )  [inline]
```

### 7.28.2.2 Clone()

```
DatabaseCreateReply briar.BriarGrpc.DatabaseCreateReply.Clone ( )  [inline]
```

### 7.28.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseCreateReply.Equals (
            DatabaseCreateReply other )  [inline]
```

### 7.28.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseCreateReply.Equals (
            object other )  [inline]
```

#### 7.28.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseCreateReply.GetHashCode ( )  [inline]
```

#### 7.28.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseCreateReply.MergeFrom (
            DatabaseCreateReply other )  [inline]
```

#### 7.28.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseCreateReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.28.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseCreateReply.ToString ( )  [inline]
```

#### 7.28.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseCreateReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.28.3 Member Data Documentation

#### 7.28.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.28.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.28.3.3 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateReply.IdsFieldNumber = 1  [static]
```

Field number for the "ids" field.

### 7.28.4 Property Documentation

#### 7.28.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseCreateReply.Descriptor  [static], [get]
```

#### 7.28.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseCreateReply.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.28.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseCreateReply.Errors  [get], [set]
```

#### 7.28.4.4 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseCreateReply.Ids  [get], [set]
```

OPTIONAL: template IDs that new database has been created with

#### 7.28.4.5 Parser

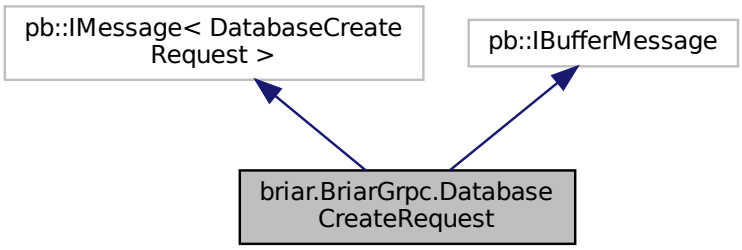
```
pb.MessageParser<DatabaseCreateReply> briar.BriarGrpc.DatabaseCreateReply.Parser [static],
[get]
```

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

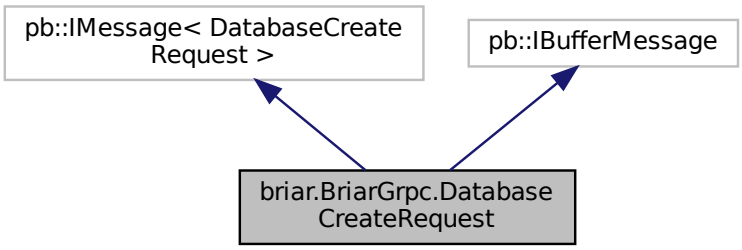
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.29 briar.BriarGrpc.DatabaseCreateRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseCreateRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseCreateRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseCreateRequest Clone ()
- DatabaseCreateRequest ()
- DatabaseCreateRequest (DatabaseCreateRequest other)

- bool Equals (DatabaseCreateRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseCreateRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int TmplsFieldNumber = 2

  *Field number for the "tmpls" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Name of database to create*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< DatabaseCreateRequest > Parser `[get]`
- global::briar.BriarGrpc.TemplateList Tmpls `[get, set]`

  *OPTIONAL: Templates to create database from*

### 7.29.1 Constructor & Destructor Documentation

#### 7.29.1.1 DatabaseCreateRequest() [1/2]

```
briar.BriarGrpc.DatabaseCreateRequest.DatabaseCreateRequest ( )  [inline]
```

#### 7.29.1.2 DatabaseCreateRequest() [2/2]

```
briar.BriarGrpc.DatabaseCreateRequest.DatabaseCreateRequest (
            DatabaseCreateRequest other )  [inline]
```

### 7.29.2 Member Function Documentation

#### 7.29.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseCreateRequest.CalculateSize ( )  [inline]
```

#### 7.29.2.2 Clone()

```
DatabaseCreateRequest briar.BriarGrpc.DatabaseCreateRequest.Clone ( )  [inline]
```

#### 7.29.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseCreateRequest.Equals (
            DatabaseCreateRequest other )  [inline]
```

#### 7.29.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseCreateRequest.Equals (
            object other )  [inline]
```

#### 7.29.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseCreateRequest.GetHashCode ( )  [inline]
```

#### 7.29.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseCreateRequest.MergeFrom (
            DatabaseCreateRequest other )  [inline]
```

#### 7.29.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseCreateRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.29.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseCreateRequest.ToString ( )  [inline]
```

#### 7.29.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseCreateRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.29.3 Member Data Documentation

#### 7.29.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.29.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateRequest.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.29.3.3 TmplsFieldNumber

```
const int briar.BriarGrpc.DatabaseCreateRequest.TmplsFieldNumber = 2  [static]
```

Field number for the "tmpls" field.

### 7.29.4 Property Documentation

#### 7.29.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseCreateRequest.Database [get], [set]
```

REQUIRED: Name of database to create

#### 7.29.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseCreateRequest.Descriptor [static], [get]
```

#### 7.29.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseCreateRequest.Durations [get], [set]
```

Log the time needed to complete the request on the server

#### 7.29.4.4 Parser

```
pb.MessageParser<DatabaseCreateRequest> briar.BriarGrpc.DatabaseCreateRequest.Parser [static], [get]
```

#### 7.29.4.5 Tmpls

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.DatabaseCreateRequest.Tmpls [get], [set]
```

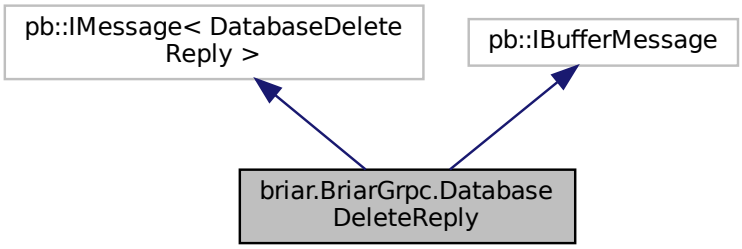
OPTIONAL: Templates to create database from

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

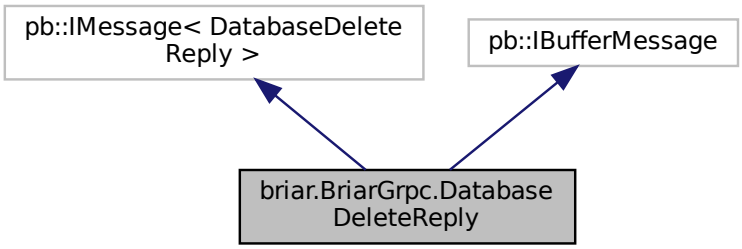
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.30 briar.BriarGrpc.DatabaseDeleteReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseDeleteReply:




Collaboration diagram for briar.BriarGrpc.DatabaseDeleteReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseDeleteReply Clone ()
- DatabaseDeleteReply ()
- DatabaseDeleteReply (DatabaseDeleteReply other)
- bool Equals (DatabaseDeleteReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseDeleteReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 1

  *Field number for the "durations" field.*
- const int EntryCountFieldNumber = 2

  *Field number for the "entry_count" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 4

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`
- long EntryCount `[get, set]`

  *REQUIRED: The number of entries deleted in the database*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *Aggregate errors which happened mid-batch*
- bool Exists `[get, set]`

  *REQUIRED: Set to false if the requested database did not exist*
- static pb::MessageParser< DatabaseDeleteReply > Parser `[get]`

### 7.30.1 Constructor & Destructor Documentation

#### 7.30.1.1 DatabaseDeleteReply() [1/2]

```
briar.BriarGrpc.DatabaseDeleteReply.DatabaseDeleteReply ( )  [inline]
```

#### 7.30.1.2 DatabaseDeleteReply() [2/2]

```
briar.BriarGrpc.DatabaseDeleteReply.DatabaseDeleteReply (
            DatabaseDeleteReply other )  [inline]
```

### 7.30.2 Member Function Documentation

#### 7.30.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseDeleteReply.CalculateSize ( )  [inline]
```

#### 7.30.2.2 Clone()

```
DatabaseDeleteReply briar.BriarGrpc.DatabaseDeleteReply.Clone ( )  [inline]
```

#### 7.30.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseDeleteReply.Equals (
            DatabaseDeleteReply other )  [inline]
```

#### 7.30.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseDeleteReply.Equals (
            object other )  [inline]
```

#### 7.30.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseDeleteReply.GetHashCode ( )  [inline]
```

#### 7.30.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseDeleteReply.MergeFrom (
            DatabaseDeleteReply other )  [inline]
```

#### 7.30.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseDeleteReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.30.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseDeleteReply.ToString ( )  [inline]
```

#### 7.30.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseDeleteReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.30.3 Member Data Documentation

#### 7.30.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteReply.DurationsFieldNumber = 1  [static]
```

Field number for the "durations" field.

#### 7.30.3.2 EntryCountFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteReply.EntryCountFieldNumber = 2  [static]
```

Field number for the "entry_count" field.

#### 7.30.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.30.3.4 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteReply.ExistsFieldNumber = 4  [static]
```

Field number for the "exists" field.

### 7.30.4 Property Documentation

#### 7.30.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseDeleteReply.Descriptor  [static], [get]
```

#### 7.30.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseDeleteReply.Durations  [get],
[set]
```

#### 7.30.4.3 EntryCount

```
long briar.BriarGrpc.DatabaseDeleteReply.EntryCount  [get], [set]
```

REQUIRED: The number of entries deleted in the database

#### 7.30.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseDeleteReply.Errors  [get], [set]
```

Aggregate errors which happened mid-batch

#### 7.30.4.5 Exists

```
bool briar.BriarGrpc.DatabaseDeleteReply.Exists  [get], [set]
```

REQUIRED: Set to false if the requested database did not exist

#### 7.30.4.6 Parser

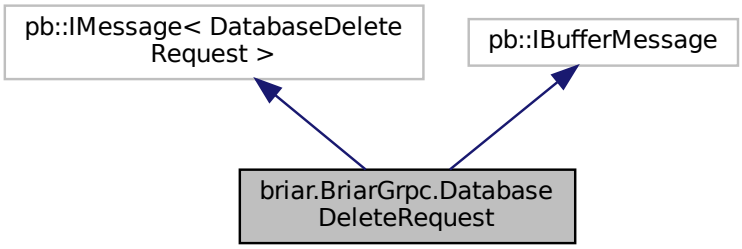
```
pb.MessageParser<DatabaseDeleteReply> briar.BriarGrpc.DatabaseDeleteReply.Parser  [static],
[get]
```

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

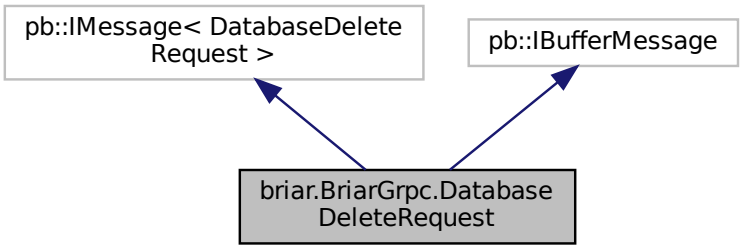
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.31 briar.BriarGrpc.DatabaseDeleteRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseDeleteRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseDeleteRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseDeleteRequest Clone ()
- DatabaseDeleteRequest ()
- DatabaseDeleteRequest (DatabaseDeleteRequest other)
- bool Equals (DatabaseDeleteRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseDeleteRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Database to remove from*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< DatabaseDeleteRequest > Parser `[get]`

### 7.31.1 Constructor & Destructor Documentation

#### 7.31.1.1 DatabaseDeleteRequest() [1/2]

```
briar.BriarGrpc.DatabaseDeleteRequest.DatabaseDeleteRequest ( )  [inline]
```

#### 7.31.1.2 DatabaseDeleteRequest() [2/2]

```
briar.BriarGrpc.DatabaseDeleteRequest.DatabaseDeleteRequest (
            DatabaseDeleteRequest other )  [inline]
```

### 7.31.2 Member Function Documentation

#### 7.31.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseDeleteRequest.CalculateSize ( )  [inline]
```

#### 7.31.2.2 Clone()

```
DatabaseDeleteRequest briar.BriarGrpc.DatabaseDeleteRequest.Clone ( )  [inline]
```

#### 7.31.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseDeleteRequest.Equals (
            DatabaseDeleteRequest other )  [inline]
```

#### 7.31.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseDeleteRequest.Equals (
            object other )  [inline]
```

#### 7.31.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseDeleteRequest.GetHashCode ( )  [inline]
```

#### 7.31.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseDeleteRequest.MergeFrom (
            DatabaseDeleteRequest other )  [inline]
```

#### 7.31.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseDeleteRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.31.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseDeleteRequest.ToString ( )  [inline]
```

#### 7.31.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseDeleteRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.31.3 Member Data Documentation

### 7.31.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

### 7.31.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseDeleteRequest.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

## 7.31.4 Property Documentation

### 7.31.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseDeleteRequest.Database  [get],
[set]
```

REQUIRED: Database to remove from

### 7.31.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseDeleteRequest.Descriptor  [static], [get]
```

### 7.31.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseDeleteRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.31.4.4 Parser

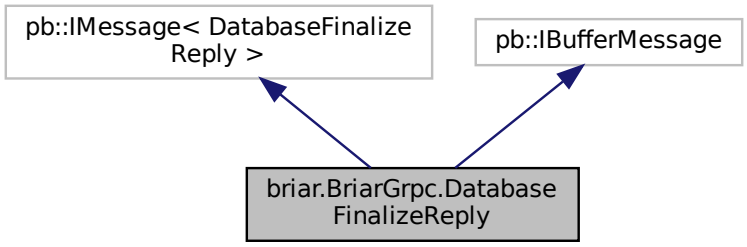
```
pb.MessageParser<DatabaseDeleteRequest> briar.BriarGrpc.DatabaseDeleteRequest.Parser [static],
[get]
```

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

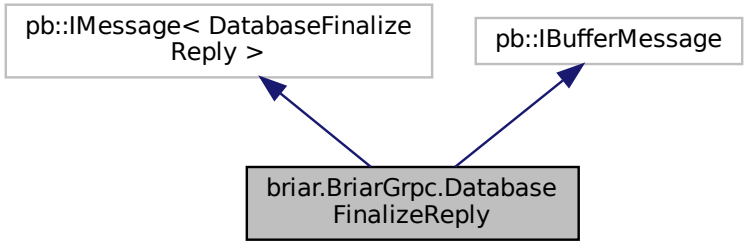
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.32 briar.BriarGrpc.DatabaseFinalizeReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseFinalizeReply:




Collaboration diagram for briar.BriarGrpc.DatabaseFinalizeReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseFinalizeReply Clone ()
- DatabaseFinalizeReply ()
- DatabaseFinalizeReply (DatabaseFinalizeReply other)

- bool Equals (DatabaseFinalizeReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseFinalizeReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 1

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 2

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 3

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *Indicate any errors or warnings.*
- bool Exists `[get, set]`

  *REQUIRED: set to true if the requested database exists and the reply is populated correctly*
- static pb::MessageParser< DatabaseFinalizeReply > Parser `[get]`

### 7.32.1 Constructor & Destructor Documentation

#### 7.32.1.1 DatabaseFinalizeReply() [1/2]

```
briar.BriarGrpc.DatabaseFinalizeReply.DatabaseFinalizeReply ( )  [inline]
```

#### 7.32.1.2 DatabaseFinalizeReply() [2/2]

```
briar.BriarGrpc.DatabaseFinalizeReply.DatabaseFinalizeReply (
            DatabaseFinalizeReply other )  [inline]
```

### 7.32.2 Member Function Documentation

#### 7.32.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseFinalizeReply.CalculateSize ( )  [inline]
```

#### 7.32.2.2 Clone()

```
DatabaseFinalizeReply briar.BriarGrpc.DatabaseFinalizeReply.Clone ( )  [inline]
```

#### 7.32.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseFinalizeReply.Equals (
            DatabaseFinalizeReply other )  [inline]
```

#### 7.32.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseFinalizeReply.Equals (
            object other )  [inline]
```

#### 7.32.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseFinalizeReply.GetHashCode ( )  [inline]
```

#### 7.32.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseFinalizeReply.MergeFrom (
            DatabaseFinalizeReply other )  [inline]
```

#### 7.32.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseFinalizeReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.32.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseFinalizeReply.ToString ( )  [inline]
```

#### 7.32.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseFinalizeReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.32.3 Member Data Documentation

#### 7.32.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseFinalizeReply.DurationsFieldNumber = 1  [static]
```

Field number for the "durations" field.

#### 7.32.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseFinalizeReply.ErrorsFieldNumber = 2  [static]
```

Field number for the "errors" field.

#### 7.32.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseFinalizeReply.ExistsFieldNumber = 3  [static]
```

Field number for the "exists" field.

### 7.32.4 Property Documentation

#### 7.32.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseFinalizeReply.Descriptor  [static], [get]
```

#### 7.32.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseFinalizeReply.Durations [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.32.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseFinalizeReply.Errors [get], [set]
```

Indicate any errors or warnings.

#### 7.32.4.4 Exists

```
bool briar.BriarGrpc.DatabaseFinalizeReply.Exists [get], [set]
```

REQUIRED: set to true if the requested database exists and the reply is populated correctly

#### 7.32.4.5 Parser

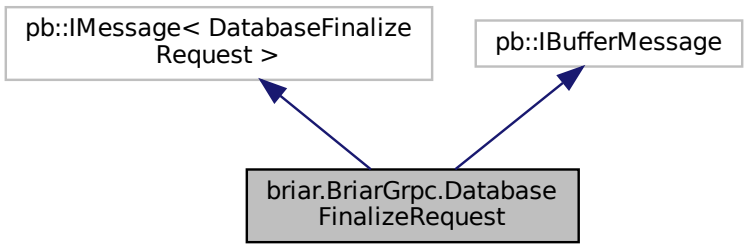
```
pb.MessageParser<DatabaseFinalizeReply> briar.BriarGrpc.DatabaseFinalizeReply.Parser [static],
[get]
```

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

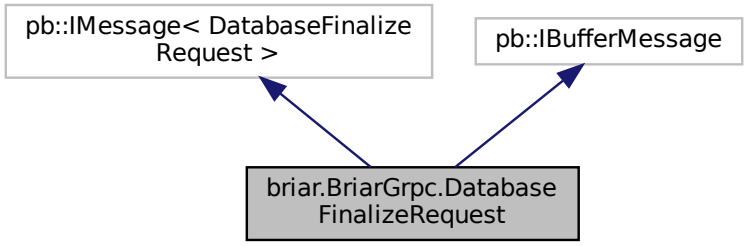
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.33 briar.BriarGrpc.DatabaseFinalizeRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseFinalizeRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseFinalizeRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseFinalizeRequest Clone ()
- DatabaseFinalizeRequest ()
- DatabaseFinalizeRequest (DatabaseFinalizeRequest other)
- bool Equals (DatabaseFinalizeRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseFinalizeRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database [get, set]

  *The database to optimize*
- static pbr::MessageDescriptor Descriptor [get]
- static pb::MessageParser< DatabaseFinalizeRequest > Parser [get]

### 7.33.1 Constructor & Destructor Documentation

#### 7.33.1.1 DatabaseFinalizeRequest() [1/2]

```
briar.BriarGrpc.DatabaseFinalizeRequest.DatabaseFinalizeRequest ( ) [inline]
```

#### 7.33.1.2 DatabaseFinalizeRequest() [2/2]

```
briar.BriarGrpc.DatabaseFinalizeRequest.DatabaseFinalizeRequest (
            DatabaseFinalizeRequest other ) [inline]
```

### 7.33.2 Member Function Documentation

#### 7.33.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseFinalizeRequest.CalculateSize ( ) [inline]
```

#### 7.33.2.2 Clone()

```
DatabaseFinalizeRequest briar.BriarGrpc.DatabaseFinalizeRequest.Clone ( ) [inline]
```

#### 7.33.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseFinalizeRequest.Equals (
            DatabaseFinalizeRequest other ) [inline]
```

#### 7.33.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseFinalizeRequest.Equals (
            object other )  [inline]
```

#### 7.33.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseFinalizeRequest.GetHashCode ( )  [inline]
```

#### 7.33.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseFinalizeRequest.MergeFrom (
            DatabaseFinalizeRequest other )  [inline]
```

#### 7.33.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseFinalizeRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.33.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseFinalizeRequest.ToString ( )  [inline]
```

#### 7.33.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseFinalizeRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.33.3 Member Data Documentation

#### 7.33.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseFinalizeRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

### 7.33.4 Property Documentation

#### 7.33.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseFinalizeRequest.Database  [get],
[set]
```

The database to optimize

#### 7.33.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseFinalizeRequest.Descriptor  [static], [get]
```

#### 7.33.4.3 Parser

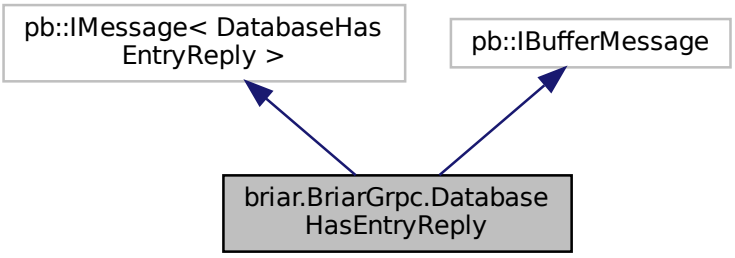
```
pb.MessageParser<DatabaseFinalizeRequest> briar.BriarGrpc.DatabaseFinalizeRequest.Parser
[static], [get]
```

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

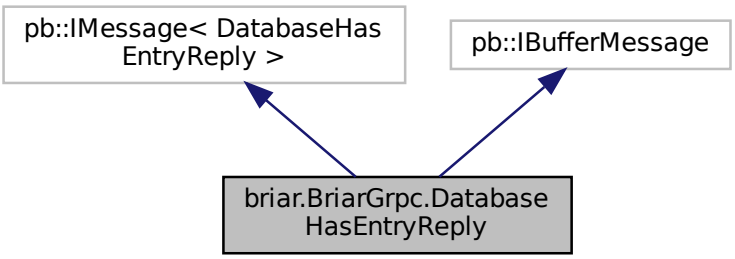
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.34 briar.BriarGrpc.DatabaseHasEntryReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseHasEntryReply:



Collaboration diagram for briar.BriarGrpc.DatabaseHasEntryReply:




## Public Member Functions

- int CalculateSize ()
- DatabaseHasEntryReply Clone ()
- DatabaseHasEntryReply ()
- DatabaseHasEntryReply (DatabaseHasEntryReply other)
- bool Equals (DatabaseHasEntryReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseHasEntryReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ExistsFieldNumber = 1

  *Field number for the "exists" field.*
- const int IsCompleteFieldNumber = 2

  *Field number for the "is_complete" field.*
- const int ProgressFieldNumber = 3

  *Field number for the "progress" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- bool Exists `[get, set]`
- bool IsComplete `[get, set]`
- static pb::MessageParser< DatabaseHasEntryReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

### 7.34.1 Constructor & Destructor Documentation

#### 7.34.1.1 DatabaseHasEntryReply() [1/2]

```
briar.BriarGrpc.DatabaseHasEntryReply.DatabaseHasEntryReply ( )  [inline]
```

#### 7.34.1.2 DatabaseHasEntryReply() [2/2]

```
briar.BriarGrpc.DatabaseHasEntryReply.DatabaseHasEntryReply (
            DatabaseHasEntryReply other )  [inline]
```

### 7.34.2 Member Function Documentation

#### 7.34.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseHasEntryReply.CalculateSize ( )  [inline]
```

#### 7.34.2.2 Clone()

```
DatabaseHasEntryReply briar.BriarGrpc.DatabaseHasEntryReply.Clone ( )  [inline]
```

#### 7.34.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseHasEntryReply.Equals (
            DatabaseHasEntryReply other )  [inline]
```

#### 7.34.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseHasEntryReply.Equals (
            object other )  [inline]
```

#### 7.34.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseHasEntryReply.GetHashCode ( )  [inline]
```

#### 7.34.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseHasEntryReply.MergeFrom (
            DatabaseHasEntryReply other )  [inline]
```

#### 7.34.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseHasEntryReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.34.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseHasEntryReply.ToString ( )  [inline]
```

#### 7.34.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseHasEntryReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.34.3 Member Data Documentation

#### 7.34.3.1 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseHasEntryReply.ExistsFieldNumber = 1  [static]
```

Field number for the "exists" field.

#### 7.34.3.2 IsCompleteFieldNumber

```
const int briar.BriarGrpc.DatabaseHasEntryReply.IsCompleteFieldNumber = 2  [static]
```

Field number for the "is_complete" field.

#### 7.34.3.3 ProgressFieldNumber

```
const int briar.BriarGrpc.DatabaseHasEntryReply.ProgressFieldNumber = 3  [static]
```

Field number for the "progress" field.

### 7.34.4 Property Documentation

#### 7.34.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseHasEntryReply.Descriptor  [static], [get]
```

#### 7.34.4.2 Exists

```
bool briar.BriarGrpc.DatabaseHasEntryReply.Exists  [get], [set]
```

#### 7.34.4.3 IsComplete

```
bool briar.BriarGrpc.DatabaseHasEntryReply.IsComplete  [get], [set]
```

#### 7.34.4.4 Parser

```
pb.MessageParser<DatabaseHasEntryReply> briar.BriarGrpc.DatabaseHasEntryReply.Parser  [static],
[get]
```

#### 7.34.4.5 Progress

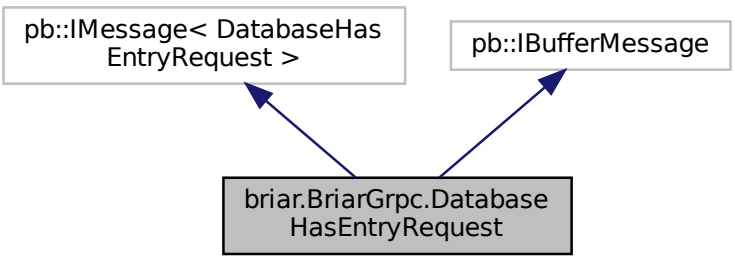
```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.DatabaseHasEntryReply.Progress  [get],
[set]
```

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

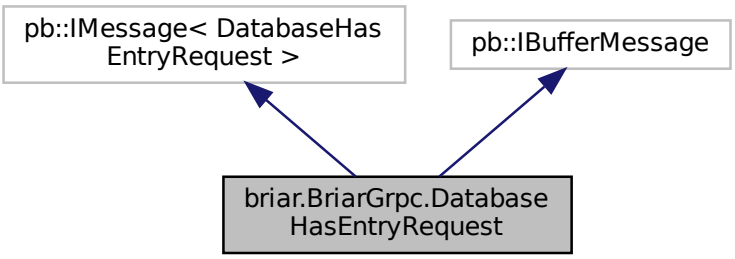
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.35 briar.BriarGrpc.DatabaseHasEntryRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseHasEntryRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseHasEntryRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseHasEntryRequest Clone ()
- DatabaseHasEntryRequest ()
- DatabaseHasEntryRequest (DatabaseHasEntryRequest other)
- bool Equals (DatabaseHasEntryRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseHasEntryRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int EntryIdFieldNumber = 3

  *Field number for the "entry_id" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`
- static pbr::MessageDescriptor Descriptor `[get]`
- string EntryId `[get, set]`
- static pb::MessageParser< DatabaseHasEntryRequest > Parser `[get]`

### 7.35.1 Constructor & Destructor Documentation

#### 7.35.1.1 DatabaseHasEntryRequest() [1/2]

```
briar.BriarGrpc.DatabaseHasEntryRequest.DatabaseHasEntryRequest ( )  [inline]
```

#### 7.35.1.2 DatabaseHasEntryRequest() [2/2]

```
briar.BriarGrpc.DatabaseHasEntryRequest.DatabaseHasEntryRequest (
            DatabaseHasEntryRequest other )  [inline]
```

### 7.35.2 Member Function Documentation

#### 7.35.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseHasEntryRequest.CalculateSize ( )  [inline]
```

#### 7.35.2.2 Clone()

```
DatabaseHasEntryRequest briar.BriarGrpc.DatabaseHasEntryRequest.Clone ( )  [inline]
```

#### 7.35.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseHasEntryRequest.Equals (
            DatabaseHasEntryRequest other )  [inline]
```

#### 7.35.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseHasEntryRequest.Equals (
            object other )  [inline]
```

#### 7.35.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseHasEntryRequest.GetHashCode ( )  [inline]
```

#### 7.35.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseHasEntryRequest.MergeFrom (
            DatabaseHasEntryRequest other )  [inline]
```

#### 7.35.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseHasEntryRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.35.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseHasEntryRequest.ToString ( )  [inline]
```

#### 7.35.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseHasEntryRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.35.3 Member Data Documentation

### 7.35.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseHasEntryRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

### 7.35.3.2 EntryIdFieldNumber

```
const int briar.BriarGrpc.DatabaseHasEntryRequest.EntryIdFieldNumber = 3  [static]
```

Field number for the "entry_id" field.

## 7.35.4 Property Documentation

### 7.35.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseHasEntryRequest.Database  [get],
[set]
```

### 7.35.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseHasEntryRequest.Descriptor  [static], [get]
```

### 7.35.4.3 EntryId

```
string briar.BriarGrpc.DatabaseHasEntryRequest.EntryId  [get], [set]
```

#### 7.35.4.4 Parser

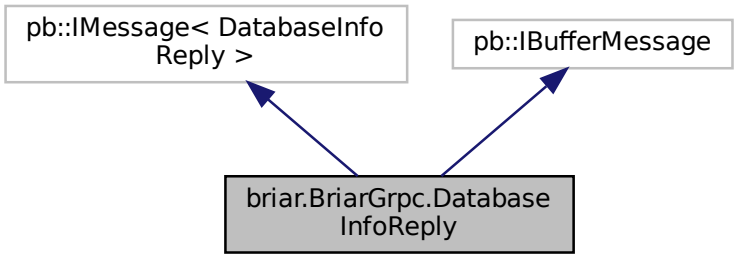
```
pb.MessageParser<DatabaseHasEntryRequest> briar.BriarGrpc.DatabaseHasEntryRequest.Parser
[static], [get]
```

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

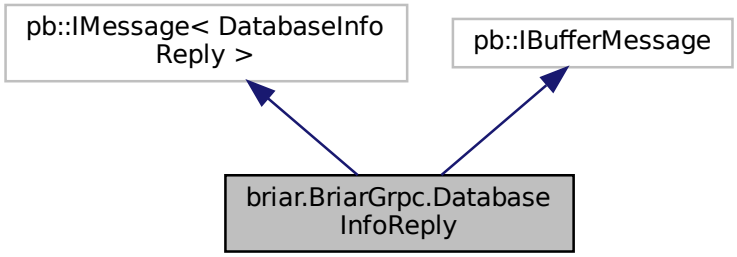
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.36 briar.BriarGrpc.DatabaseInfoReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseInfoReply:




Collaboration diagram for briar.BriarGrpc.DatabaseInfoReply:



## Public Member Functions

- int CalculateSize ()
- DatabaseInfoReply Clone ()
- DatabaseInfoReply ()
- DatabaseInfoReply (DatabaseInfoReply other)
- bool Equals (DatabaseInfoReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseInfoReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationFieldNumber = 2

  *Field number for the "duration" field.*
- const int ExistsFieldNumber = 3

  *Field number for the "exists" field.*
- const int InfoFieldNumber = 1

  *Field number for the "info" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Duration `[get, set]`

  *Log the time needed to complete the request on the server*
- bool Exists `[get, set]`

  *REQUIRED: set to true if the requested database exists and the reply is populated correctly*
- global::briar.BriarGrpc.BriarDatabaseInfo Info `[get, set]`

  *REQUIRED Contains the information about the database*
- static pb::MessageParser< DatabaseInfoReply > Parser `[get]`

### 7.36.1 Constructor & Destructor Documentation

#### 7.36.1.1 DatabaseInfoReply() [1/2]

```
briar.BriarGrpc.DatabaseInfoReply.DatabaseInfoReply ( )  [inline]
```

#### 7.36.1.2 DatabaseInfoReply() [2/2]

```
briar.BriarGrpc.DatabaseInfoReply.DatabaseInfoReply (
            DatabaseInfoReply other )  [inline]
```

## 7.36.2 Member Function Documentation

### 7.36.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseInfoReply.CalculateSize ( )  [inline]
```

### 7.36.2.2 Clone()

```
DatabaseInfoReply briar.BriarGrpc.DatabaseInfoReply.Clone ( )  [inline]
```

### 7.36.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseInfoReply.Equals (
            DatabaseInfoReply other )  [inline]
```

### 7.36.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseInfoReply.Equals (
            object other )  [inline]
```

### 7.36.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseInfoReply.GetHashCode ( )  [inline]
```

### 7.36.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseInfoReply.MergeFrom (
            DatabaseInfoReply other )  [inline]
```

#### 7.36.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseInfoReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.36.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseInfoReply.ToString ( )  [inline]
```

#### 7.36.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseInfoReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.36.3 Member Data Documentation

#### 7.36.3.1 DurationFieldNumber

```
const int briar.BriarGrpc.DatabaseInfoReply.DurationFieldNumber = 2  [static]
```

Field number for the "duration" field.

#### 7.36.3.2 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseInfoReply.ExistsFieldNumber = 3  [static]
```

Field number for the "exists" field.

#### 7.36.3.3 InfoFieldNumber

```
const int briar.BriarGrpc.DatabaseInfoReply.InfoFieldNumber = 1  [static]
```

Field number for the "info" field.

## 7.36.4 Property Documentation

### 7.36.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseInfoReply.Descriptor  [static], [get]
```

### 7.36.4.2 Duration

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseInfoReply.Duration  [get], [set]
```

Log the time needed to complete the request on the server

### 7.36.4.3 Exists

```
bool briar.BriarGrpc.DatabaseInfoReply.Exists  [get], [set]
```

REQUIRED: set to true if the requested database exists and the reply is populated correctly

### 7.36.4.4 Info

```
global.briar.BriarGrpc.BriarDatabaseInfo briar.BriarGrpc.DatabaseInfoReply.Info  [get], [set]
```

REQUIRED Contains the information about the database

### 7.36.4.5 Parser

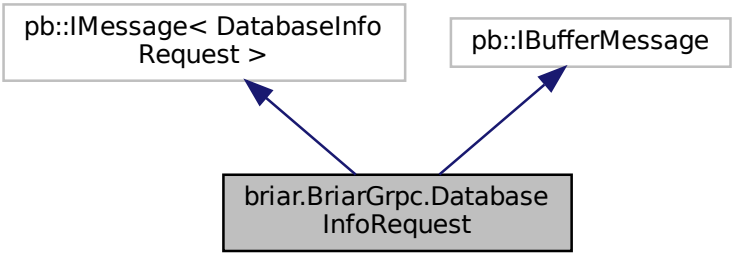
```
pb.MessageParser<DatabaseInfoReply> briar.BriarGrpc.DatabaseInfoReply.Parser  [static], [get]
```

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

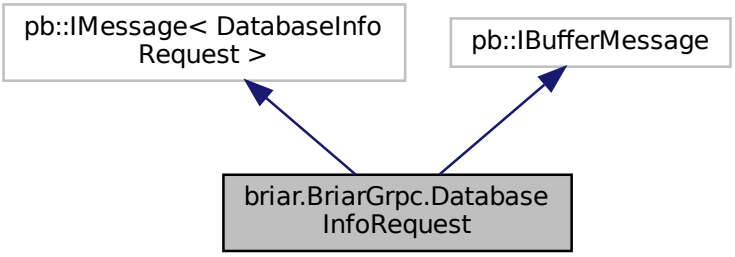
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.37 briar.BriarGrpc.DatabaseInfoRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseInfoRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseInfoRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseInfoRequest Clone ()
- DatabaseInfoRequest ()
- DatabaseInfoRequest (DatabaseInfoRequest other)
- bool Equals (DatabaseInfoRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseInfoRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseNameFieldNumber = 1

  *Field number for the "database_name" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*

## Properties

- string DatabaseName `[get, set]`

  *REQUIRED Name of the database to retrieve info for*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< DatabaseInfoRequest > Parser `[get]`

### 7.37.1 Constructor & Destructor Documentation

#### 7.37.1.1 DatabaseInfoRequest() [1/2]

```
briar.BriarGrpc.DatabaseInfoRequest.DatabaseInfoRequest ( )  [inline]
```

#### 7.37.1.2 DatabaseInfoRequest() [2/2]

```
briar.BriarGrpc.DatabaseInfoRequest.DatabaseInfoRequest (
            DatabaseInfoRequest other )  [inline]
```

### 7.37.2 Member Function Documentation

#### 7.37.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseInfoRequest.CalculateSize ( )  [inline]
```

#### 7.37.2.2 Clone()

```
DatabaseInfoRequest briar.BriarGrpc.DatabaseInfoRequest.Clone ( )  [inline]
```

#### 7.37.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseInfoRequest.Equals (
            DatabaseInfoRequest other )  [inline]
```

#### 7.37.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseInfoRequest.Equals (
            object other )  [inline]
```

#### 7.37.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseInfoRequest.GetHashCode ( )  [inline]
```

#### 7.37.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseInfoRequest.MergeFrom (
            DatabaseInfoRequest other )  [inline]
```

#### 7.37.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseInfoRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.37.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseInfoRequest.ToString ( )  [inline]
```

#### 7.37.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseInfoRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.37.3 Member Data Documentation

### 7.37.3.1 DatabaseNameFieldNumber

```
const int briar.BriarGrpc.DatabaseInfoRequest.DatabaseNameFieldNumber = 1  [static]
```

Field number for the "database_name" field.

### 7.37.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseInfoRequest.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

## 7.37.4 Property Documentation

### 7.37.4.1 DatabaseName

```
string briar.BriarGrpc.DatabaseInfoRequest.DatabaseName  [get], [set]
```

REQUIRED Name of the database to retrieve info for

### 7.37.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseInfoRequest.Descriptor  [static], [get]
```

### 7.37.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseInfoRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.37.4.4 Parser

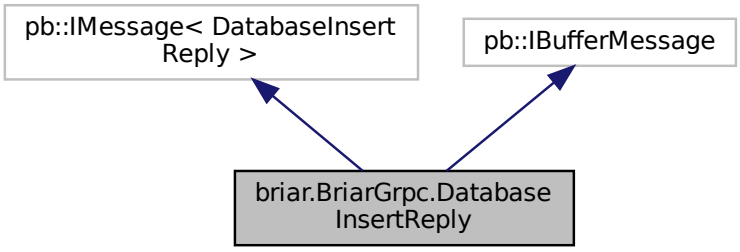
```
pb.MessageParser<DatabaseInfoRequest> briar.BriarGrpc.DatabaseInfoRequest.Parser  [static],
[get]
```

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

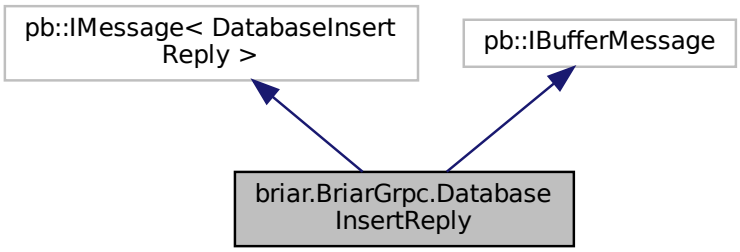
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.38 briar.BriarGrpc.DatabaseInsertReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseInsertReply:




Collaboration diagram for briar.BriarGrpc.DatabaseInsertReply:



## Public Member Functions

- int CalculateSize ()
- DatabaseInsertReply Clone ()
- DatabaseInsertReply ()
- DatabaseInsertReply (DatabaseInsertReply other)
- bool Equals (DatabaseInsertReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseInsertReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 4

  *Field number for the "exists" field.*
- const int IdsFieldNumber = 1

  *Field number for the "ids" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *OPTIONAL: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- bool Exists `[get, set]`

  *OPTIONAL: REQUIRED: Set to false if the requested database did not exist*
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`

  *OPTIONAL: Database ids of the templates*
- static pb::MessageParser< DatabaseInsertReply > Parser `[get]`

### 7.38.1 Constructor & Destructor Documentation

#### 7.38.1.1 DatabaseInsertReply() [1/2]

```
briar.BriarGrpc.DatabaseInsertReply.DatabaseInsertReply ( )  [inline]
```

#### 7.38.1.2 DatabaseInsertReply() [2/2]

```
briar.BriarGrpc.DatabaseInsertReply.DatabaseInsertReply (
            DatabaseInsertReply other )  [inline]
```

### 7.38.2 Member Function Documentation

#### 7.38.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseInsertReply.CalculateSize ( )  [inline]
```

#### 7.38.2.2 Clone()

```
DatabaseInsertReply briar.BriarGrpc.DatabaseInsertReply.Clone ( )  [inline]
```

#### 7.38.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseInsertReply.Equals (
            DatabaseInsertReply other )  [inline]
```

#### 7.38.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseInsertReply.Equals (
            object other )  [inline]
```

#### 7.38.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseInsertReply.GetHashCode ( )  [inline]
```

#### 7.38.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseInsertReply.MergeFrom (
            DatabaseInsertReply other )  [inline]
```

#### 7.38.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseInsertReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.38.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseInsertReply.ToString ( )  [inline]
```

#### 7.38.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseInsertReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.38.3 Member Data Documentation

#### 7.38.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.38.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.38.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertReply.ExistsFieldNumber = 4  [static]
```

Field number for the "exists" field.

#### 7.38.3.4 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertReply.IdsFieldNumber = 1  [static]
```

Field number for the "ids" field.

### 7.38.4 Property Documentation

#### 7.38.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseInsertReply.Descriptor  [static], [get]
```

#### 7.38.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseInsertReply.Durations  [get],
[set]
```

OPTIONAL: Log the time needed to complete the request on the server

#### 7.38.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseInsertReply.Errors  [get], [set]
```

#### 7.38.4.4 Exists

```
bool briar.BriarGrpc.DatabaseInsertReply.Exists  [get], [set]
```

OPTIONAL: REQUIRED: Set to false if the requested database did not exist

#### 7.38.4.5 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseInsertReply.Ids  [get], [set]
```

OPTIONAL: Database ids of the templates

#### 7.38.4.6 Parser

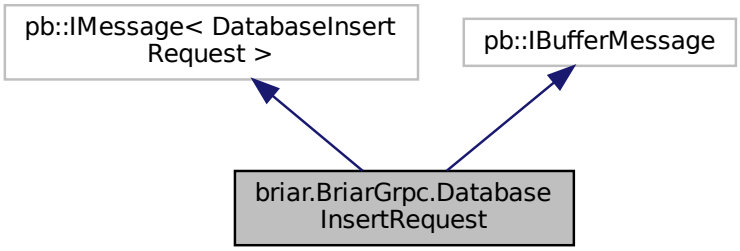
```
pb.MessageParser<DatabaseInsertReply> briar.BriarGrpc.DatabaseInsertReply.Parser  [static],
[get]
```

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

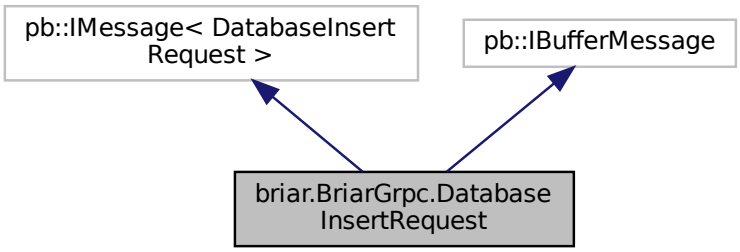
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.39 briar.BriarGrpc.DatabaseInsertRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseInsertRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseInsertRequest:



## Public Member Functions

- int CalculateSize ()
- DatabaseInsertRequest Clone ()
- DatabaseInsertRequest ()
- DatabaseInsertRequest (DatabaseInsertRequest other)
- bool Equals (DatabaseInsertRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseInsertRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int IdsFieldNumber = 3

  *Field number for the "ids" field.*
- const int TmplsFieldNumber = 2

  *Field number for the "tmpls" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *OPTIONAL: Database to batch insert into*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *OPTIONAL: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`

  *OPTIONAL: IDs of templates to insert*
- static pb::MessageParser< DatabaseInsertRequest > Parser `[get]`
- global::briar.BriarGrpc.TemplateList Tmpls `[get, set]`

  *OPTIONAL: Templates to insert*

### 7.39.1 Constructor & Destructor Documentation

#### 7.39.1.1 DatabaseInsertRequest() [1/2]

```
briar.BriarGrpc.DatabaseInsertRequest.DatabaseInsertRequest ( )  [inline]
```

#### 7.39.1.2 DatabaseInsertRequest() [2/2]

```
briar.BriarGrpc.DatabaseInsertRequest.DatabaseInsertRequest (
            DatabaseInsertRequest other )  [inline]
```

### 7.39.2 Member Function Documentation

#### 7.39.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseInsertRequest.CalculateSize ( )  [inline]
```

#### 7.39.2.2 Clone()

```
DatabaseInsertRequest briar.BriarGrpc.DatabaseInsertRequest.Clone ( )  [inline]
```

#### 7.39.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseInsertRequest.Equals (
            DatabaseInsertRequest other )  [inline]
```

#### 7.39.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseInsertRequest.Equals (
            object other )  [inline]
```

#### 7.39.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseInsertRequest.GetHashCode ( )  [inline]
```

#### 7.39.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseInsertRequest.MergeFrom (
            DatabaseInsertRequest other )  [inline]
```

#### 7.39.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseInsertRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.39.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseInsertRequest.ToString ( )  [inline]
```

#### 7.39.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseInsertRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.39.3 Member Data Documentation

#### 7.39.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.39.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertRequest.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.39.3.3 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertRequest.IdsFieldNumber = 3  [static]
```

Field number for the "ids" field.

#### 7.39.3.4 TmplsFieldNumber

```
const int briar.BriarGrpc.DatabaseInsertRequest.TmplsFieldNumber = 2  [static]
```

Field number for the "tmpls" field.

### 7.39.4 Property Documentation

#### 7.39.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseInsertRequest.Database  [get],
[set]
```

OPTIONAL: Database to batch insert into

#### 7.39.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseInsertRequest.Descriptor  [static], [get]
```

#### 7.39.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseInsertRequest.Durations  [get],
[set]
```

OPTIONAL: Log the time needed to complete the request on the server

#### 7.39.4.4 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseInsertRequest.Ids  [get], [set]
```

OPTIONAL: IDs of templates to insert

#### 7.39.4.5 Parser

```
pb.MessageParser<DatabaseInsertRequest> briar.BriarGrpc.DatabaseInsertRequest.Parser  [static],
[get]
```

#### 7.39.4.6 Tmpls

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.DatabaseInsertRequest.Tmpls  [get], [set]
```

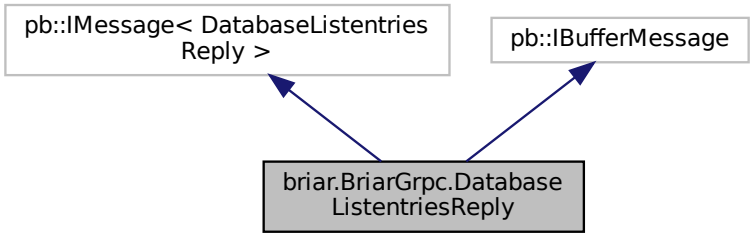
OPTIONAL: Templates to insert

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

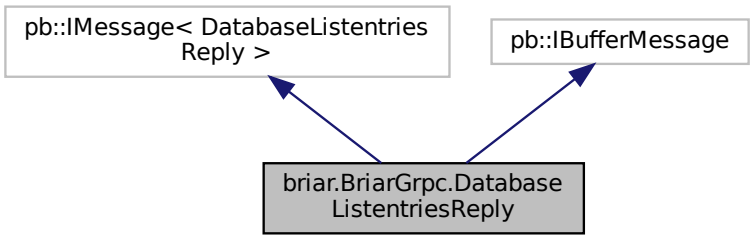
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.40 briar.BriarGrpc.DatabaseListentriesReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseListentriesReply:




Collaboration diagram for briar.BriarGrpc.DatabaseListentriesReply:



## Public Member Functions

- int CalculateSize ()
- DatabaseListentriesReply Clone ()
- DatabaseListentriesReply ()
- DatabaseListentriesReply (DatabaseListentriesReply other)
- bool Equals (DatabaseListentriesReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseListentriesReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int EntryAttributesFieldNumber = 2

  *Field number for the "entry_attributes" field.*
- const int EntryIdsFieldNumber = 1

  *Field number for the "entry_ids" field.*
- const int ExistsFieldNumber = 4

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Duration of retrieving entries*
- pbc::RepeatedField< global::briar.BriarGrpc.FrameMetadata > EntryAttributes `[get]`

  *List of attributes for each entry*
- pbc::RepeatedField< string > EntryIds `[get]`

  *REQUIRED List of entry IDs for the given database*
- bool Exists `[get, set]`

  *Flag defining if the requested database exists*
- static pb::MessageParser< DatabaseListentriesReply > Parser `[get]`

### 7.40.1 Constructor & Destructor Documentation

#### 7.40.1.1 DatabaseListentriesReply() [1/2]

```
briar.BriarGrpc.DatabaseListentriesReply.DatabaseListentriesReply ( )  [inline]
```

#### 7.40.1.2 DatabaseListentriesReply() [2/2]

```
briar.BriarGrpc.DatabaseListentriesReply.DatabaseListentriesReply (
            DatabaseListentriesReply other )  [inline]
```

### 7.40.2 Member Function Documentation

#### 7.40.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseListentriesReply.CalculateSize ( )  [inline]
```

#### 7.40.2.2 Clone()

```
DatabaseListentriesReply briar.BriarGrpc.DatabaseListentriesReply.Clone ( )  [inline]
```

#### 7.40.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseListentriesReply.Equals (
            DatabaseListentriesReply other )  [inline]
```

#### 7.40.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseListentriesReply.Equals (
            object other )  [inline]
```

#### 7.40.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseListentriesReply.GetHashCode ( )  [inline]
```

#### 7.40.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseListentriesReply.MergeFrom (
            DatabaseListentriesReply other )  [inline]
```

#### 7.40.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseListentriesReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.40.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseListentriesReply.ToString ( )  [inline]
```

#### 7.40.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseListentriesReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.40.3 Member Data Documentation

#### 7.40.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseListentriesReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.40.3.2 EntryAttributesFieldNumber

```
const int briar.BriarGrpc.DatabaseListentriesReply.EntryAttributesFieldNumber = 2  [static]
```

Field number for the "entry_attributes" field.

#### 7.40.3.3 EntryIdsFieldNumber

```
const int briar.BriarGrpc.DatabaseListentriesReply.EntryIdsFieldNumber = 1  [static]
```

Field number for the "entry_ids" field.

#### 7.40.3.4 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseListentriesReply.ExistsFieldNumber = 4  [static]
```

Field number for the "exists" field.

### 7.40.4 Property Documentation

#### 7.40.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseListentriesReply.Descriptor  [static], [get]
```

#### 7.40.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseListentriesReply.Durations  [get],
[set]
```

Duration of retrieving entries

#### 7.40.4.3 EntryAttributes

```
pbc.RepeatedField<global.briar.BriarGrpc.FrameMetadata> briar.BriarGrpc.DatabaseListentries↩
Reply.EntryAttributes  [get]
```

List of attributes for each entry

#### 7.40.4.4 EntryIds

```
pbc.RepeatedField<string> briar.BriarGrpc.DatabaseListentriesReply.EntryIds  [get]
```

REQUIRED List of entry IDs for the given database

#### 7.40.4.5 Exists

```
bool briar.BriarGrpc.DatabaseListentriesReply.Exists  [get], [set]
```

Flag defining if the requested database exists

#### 7.40.4.6 Parser

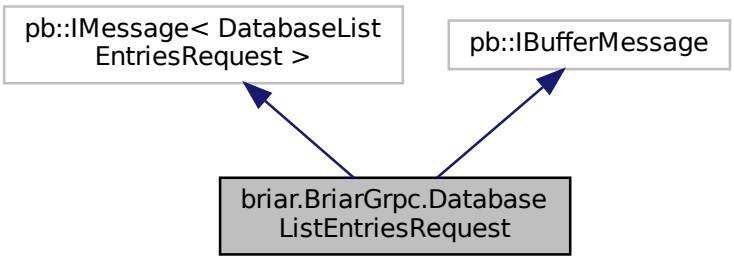
```
pb.MessageParser<DatabaseListentriesReply> briar.BriarGrpc.DatabaseListentriesReply.Parser
[static], [get]
```

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

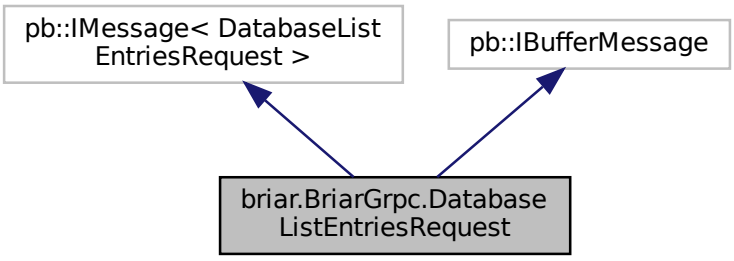
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.41 briar.BriarGrpc.DatabaseListEntriesRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseListEntriesRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseListEntriesRequest:



## Public Member Functions

- int CalculateSize ()
- DatabaseListEntriesRequest Clone ()
- DatabaseListEntriesRequest ()
- DatabaseListEntriesRequest (DatabaseListEntriesRequest other)
- bool Equals (DatabaseListEntriesRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseListEntriesRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseNameFieldNumber = 1

  *Field number for the "database_name" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*

## Properties

- string DatabaseName `[get, set]`

  *REQUIRED database name*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< DatabaseListEntriesRequest > Parser `[get]`

## 7.41.1 Constructor & Destructor Documentation

### 7.41.1.1 DatabaseListEntriesRequest() [1/2]

```
briar.BriarGrpc.DatabaseListEntriesRequest.DatabaseListEntriesRequest ( )  [inline]
```

### 7.41.1.2 DatabaseListEntriesRequest() [2/2]

```
briar.BriarGrpc.DatabaseListEntriesRequest.DatabaseListEntriesRequest (
            DatabaseListEntriesRequest other )  [inline]
```

## 7.41.2 Member Function Documentation

### 7.41.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseListEntriesRequest.CalculateSize ( )  [inline]
```

### 7.41.2.2 Clone()

```
DatabaseListEntriesRequest briar.BriarGrpc.DatabaseListEntriesRequest.Clone ( )  [inline]
```

### 7.41.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseListEntriesRequest.Equals (
            DatabaseListEntriesRequest other )  [inline]
```

### 7.41.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseListEntriesRequest.Equals (
            object other )  [inline]
```

### 7.41.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseListEntriesRequest.GetHashCode ( )  [inline]
```

### 7.41.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseListEntriesRequest.MergeFrom (
            DatabaseListEntriesRequest other )  [inline]
```

#### 7.41.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseListEntriesRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.41.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseListEntriesRequest.ToString ( )  [inline]
```

#### 7.41.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseListEntriesRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.41.3 Member Data Documentation

#### 7.41.3.1 DatabaseNameFieldNumber

```
const int briar.BriarGrpc.DatabaseListEntriesRequest.DatabaseNameFieldNumber = 1  [static]
```

Field number for the "database_name" field.

#### 7.41.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseListEntriesRequest.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

### 7.41.4 Property Documentation

#### 7.41.4.1 DatabaseName

```
string briar.BriarGrpc.DatabaseListEntriesRequest.DatabaseName  [get], [set]
```

REQUIRED database name

#### 7.41.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseListEntriesRequest.Descriptor  [static], [get]
```

#### 7.41.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseListEntriesRequest.Durations
[get], [set]
```

Log the time needed to complete the request on the server

#### 7.41.4.4 Parser

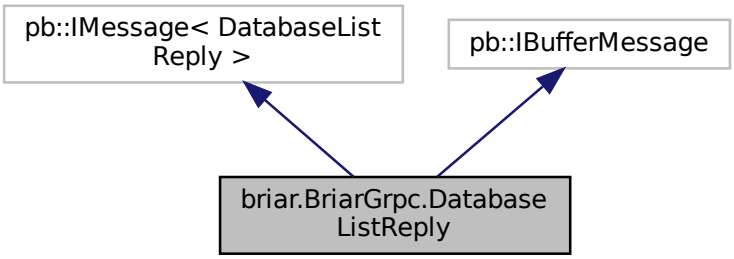
```
pb.MessageParser<DatabaseListEntriesRequest> briar.BriarGrpc.DatabaseListEntriesRequest.Parser
[static], [get]
```

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

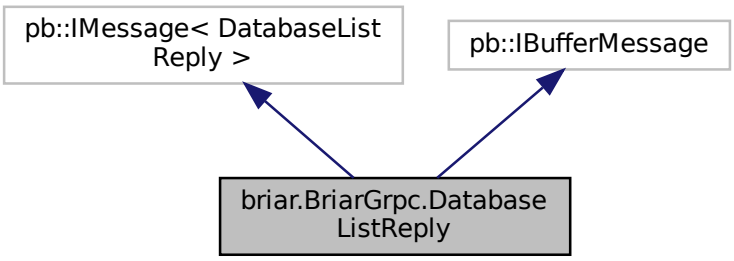
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.42 briar.BriarGrpc.DatabaseListReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseListReply:



Collaboration diagram for briar.BriarGrpc.DatabaseListReply:




## Public Member Functions

- int CalculateSize ()
- DatabaseListReply Clone ()
- DatabaseListReply ()
- DatabaseListReply (DatabaseListReply other)
- bool Equals (DatabaseListReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseListReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseNamesFieldNumber = 1

  *Field number for the "database_names" field.*

## Properties

- pbc::RepeatedField< string > DatabaseNames `[get]`
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< DatabaseListReply > Parser `[get]`

### 7.42.1 Constructor & Destructor Documentation

#### 7.42.1.1 DatabaseListReply() [1/2]

```
briar.BriarGrpc.DatabaseListReply.DatabaseListReply ( )  [inline]
```

#### 7.42.1.2 DatabaseListReply() [2/2]

```
briar.BriarGrpc.DatabaseListReply.DatabaseListReply (
            DatabaseListReply other )  [inline]
```

### 7.42.2 Member Function Documentation

#### 7.42.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseListReply.CalculateSize ( )  [inline]
```

#### 7.42.2.2 Clone()

```
DatabaseListReply briar.BriarGrpc.DatabaseListReply.Clone ( )  [inline]
```

#### 7.42.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseListReply.Equals (
            DatabaseListReply other )  [inline]
```

#### 7.42.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseListReply.Equals (
            object other )  [inline]
```

#### 7.42.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseListReply.GetHashCode ( )  [inline]
```

#### 7.42.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseListReply.MergeFrom (
            DatabaseListReply other )  [inline]
```

#### 7.42.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseListReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.42.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseListReply.ToString ( )  [inline]
```

#### 7.42.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseListReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.42.3 Member Data Documentation

#### 7.42.3.1 DatabaseNamesFieldNumber

```
const int briar.BriarGrpc.DatabaseListReply.DatabaseNamesFieldNumber = 1  [static]
```

Field number for the "database_names" field.

### 7.42.4 Property Documentation

#### 7.42.4.1 DatabaseNames

```
pbc.RepeatedField<string> briar.BriarGrpc.DatabaseListReply.DatabaseNames  [get]
```

#### 7.42.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseListReply.Descriptor  [static], [get]
```

#### 7.42.4.3 Parser

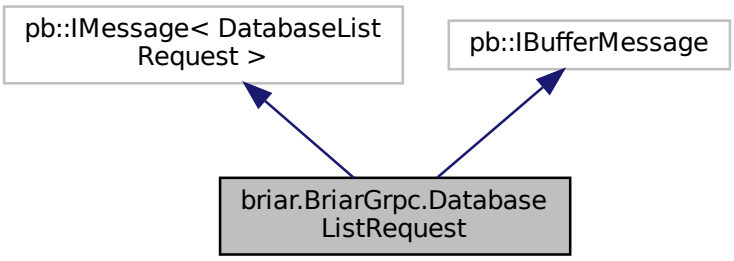
```
pb.MessageParser<DatabaseListReply> briar.BriarGrpc.DatabaseListReply.Parser  [static], [get]
```

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

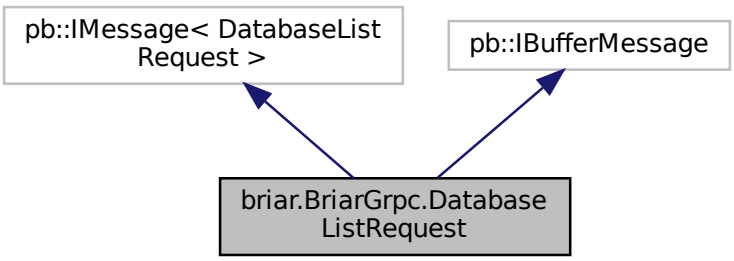
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.43 briar.BriarGrpc.DatabaseListRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseListRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseListRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseListRequest Clone ()
- DatabaseListRequest ()

- DatabaseListRequest (DatabaseListRequest other)
- bool Equals (DatabaseListRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseListRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int RegexFieldNumber = 1

  *Field number for the "regex" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< DatabaseListRequest > Parser `[get]`
- string Regex `[get, set]`

### 7.43.1 Constructor & Destructor Documentation

#### 7.43.1.1 DatabaseListRequest() [1/2]

```
briar.BriarGrpc.DatabaseListRequest.DatabaseListRequest ( )  [inline]
```

#### 7.43.1.2 DatabaseListRequest() [2/2]

```
briar.BriarGrpc.DatabaseListRequest.DatabaseListRequest (
            DatabaseListRequest other )  [inline]
```

### 7.43.2 Member Function Documentation

#### 7.43.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseListRequest.CalculateSize ( )  [inline]
```

#### 7.43.2.2 Clone()

```
DatabaseListRequest briar.BriarGrpc.DatabaseListRequest.Clone ( )  [inline]
```

#### 7.43.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseListRequest.Equals (
            DatabaseListRequest other )  [inline]
```

#### 7.43.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseListRequest.Equals (
            object other )  [inline]
```

#### 7.43.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseListRequest.GetHashCode ( )  [inline]
```

#### 7.43.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseListRequest.MergeFrom (
            DatabaseListRequest other )  [inline]
```

#### 7.43.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseListRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.43.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseListRequest.ToString ( )  [inline]
```

#### 7.43.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseListRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.43.3 Member Data Documentation

#### 7.43.3.1 RegexFieldNumber

```
const int briar.BriarGrpc.DatabaseListRequest.RegexFieldNumber = 1  [static]
```

Field number for the "regex" field.

### 7.43.4 Property Documentation

#### 7.43.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseListRequest.Descriptor  [static], [get]
```

#### 7.43.4.2 Parser

```
pb.MessageParser<DatabaseListRequest> briar.BriarGrpc.DatabaseListRequest.Parser  [static],
[get]
```

#### 7.43.4.3 Regex

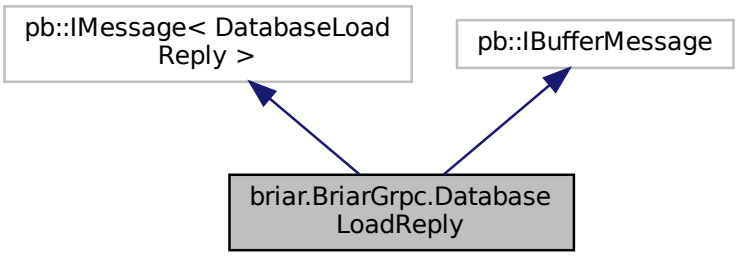
```
string briar.BriarGrpc.DatabaseListRequest.Regex  [get], [set]
```

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

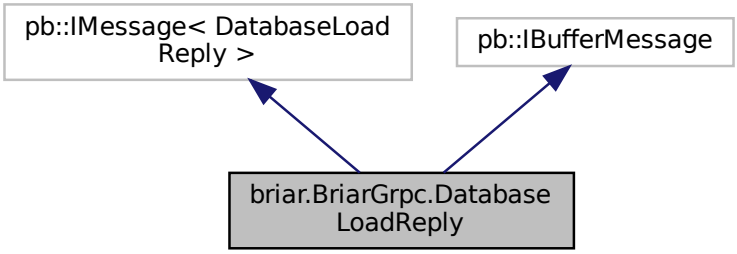
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.44 briar.BriarGrpc.DatabaseLoadReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseLoadReply:




Collaboration diagram for briar.BriarGrpc.DatabaseLoadReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseLoadReply Clone ()
- DatabaseLoadReply ()
- DatabaseLoadReply (DatabaseLoadReply other)
- bool Equals (DatabaseLoadReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseLoadReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 4

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 5

  *Field number for the "exists" field.*
- const int IdsFieldNumber = 1

  *Field number for the "ids" field.*
- const int RecordsFieldNumber = 2

  *Field number for the "records" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- bool Exists `[get, set]`

  *REQUIRED: Set to false if the requested database did not exist*
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`

  *OPTIONAL: template IDs included in the loaded database*
- static pb::MessageParser< DatabaseLoadReply > Parser `[get]`
- global::briar.BriarGrpc.RecordList Records `[get, set]`

  *DEPRICATED: records are not used at this time.*

### 7.44.1 Constructor & Destructor Documentation

#### 7.44.1.1 DatabaseLoadReply() [1/2]

```
briar.BriarGrpc.DatabaseLoadReply.DatabaseLoadReply ( )  [inline]
```

#### 7.44.1.2 DatabaseLoadReply() [2/2]

```
briar.BriarGrpc.DatabaseLoadReply.DatabaseLoadReply (
            DatabaseLoadReply other )  [inline]
```

### 7.44.2 Member Function Documentation

#### 7.44.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseLoadReply.CalculateSize ( )  [inline]
```

#### 7.44.2.2 Clone()

```
DatabaseLoadReply briar.BriarGrpc.DatabaseLoadReply.Clone ( )  [inline]
```

#### 7.44.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseLoadReply.Equals (
            DatabaseLoadReply other )  [inline]
```

#### 7.44.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseLoadReply.Equals (
            object other )  [inline]
```

#### 7.44.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseLoadReply.GetHashCode ( )  [inline]
```

#### 7.44.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseLoadReply.MergeFrom (
            DatabaseLoadReply other )  [inline]
```

#### 7.44.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseLoadReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.44.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseLoadReply.ToString ( )  [inline]
```

#### 7.44.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseLoadReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.44.3 Member Data Documentation

#### 7.44.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.44.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadReply.ErrorsFieldNumber = 4  [static]
```

Field number for the "errors" field.

#### 7.44.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadReply.ExistsFieldNumber = 5  [static]
```

Field number for the "exists" field.

#### 7.44.3.4 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadReply.IdsFieldNumber = 1  [static]
```

Field number for the "ids" field.

#### 7.44.3.5 RecordsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadReply.RecordsFieldNumber = 2  [static]
```

Field number for the "records" field.

### 7.44.4 Property Documentation

#### 7.44.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseLoadReply.Descriptor  [static], [get]
```

#### 7.44.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseLoadReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.44.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseLoadReply.Errors  [get], [set]
```

#### 7.44.4.4 Exists

```
bool briar.BriarGrpc.DatabaseLoadReply.Exists  [get], [set]
```

REQUIRED: Set to false if the requested database did not exist

#### 7.44.4.5 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseLoadReply.Ids  [get], [set]
```

OPTIONAL: template IDs included in the loaded database

#### 7.44.4.6 Parser

```
pb.MessageParser<DatabaseLoadReply> briar.BriarGrpc.DatabaseLoadReply.Parser  [static], [get]
```

#### 7.44.4.7 Records

```
global.briar.BriarGrpc.RecordList briar.BriarGrpc.DatabaseLoadReply.Records  [get], [set]
```

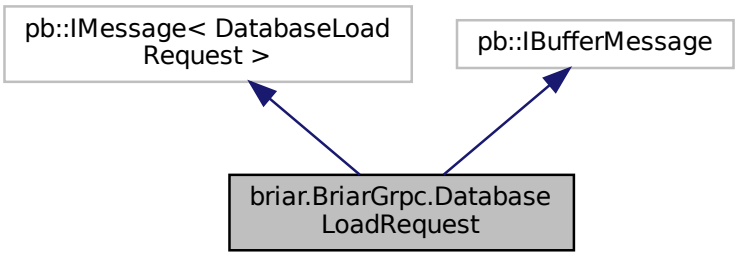
DEPRICATED: records are not used at this time.

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

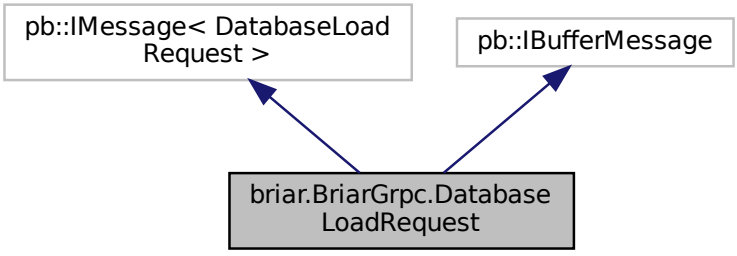
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.45 briar.BriarGrpc.DatabaseLoadRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseLoadRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseLoadRequest:



## Public Member Functions

- int CalculateSize ()
- DatabaseLoadRequest Clone ()
- DatabaseLoadRequest ()
- DatabaseLoadRequest (DatabaseLoadRequest other)
- bool Equals (DatabaseLoadRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseLoadRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *Name of database to load*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< DatabaseLoadRequest > Parser `[get]`

### 7.45.1 Constructor & Destructor Documentation

#### 7.45.1.1 DatabaseLoadRequest() [1/2]

```
briar.BriarGrpc.DatabaseLoadRequest.DatabaseLoadRequest ( )  [inline]
```

#### 7.45.1.2 DatabaseLoadRequest() [2/2]

```
briar.BriarGrpc.DatabaseLoadRequest.DatabaseLoadRequest (
            DatabaseLoadRequest other )  [inline]
```

## 7.45.2 Member Function Documentation

### 7.45.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseLoadRequest.CalculateSize ( )  [inline]
```

### 7.45.2.2 Clone()

```
DatabaseLoadRequest briar.BriarGrpc.DatabaseLoadRequest.Clone ( )  [inline]
```

### 7.45.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseLoadRequest.Equals (
            DatabaseLoadRequest other )  [inline]
```

### 7.45.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseLoadRequest.Equals (
            object other )  [inline]
```

### 7.45.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseLoadRequest.GetHashCode ( )  [inline]
```

### 7.45.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseLoadRequest.MergeFrom (
            DatabaseLoadRequest other )  [inline]
```

#### 7.45.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseLoadRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.45.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseLoadRequest.ToString ( )  [inline]
```

#### 7.45.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseLoadRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.45.3 Member Data Documentation

#### 7.45.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.45.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseLoadRequest.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

### 7.45.4 Property Documentation

#### 7.45.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseLoadRequest.Database  [get], [set]
```

Name of database to load

#### 7.45.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseLoadRequest.Descriptor  [static], [get]
```

#### 7.45.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseLoadRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.45.4.4 Parser

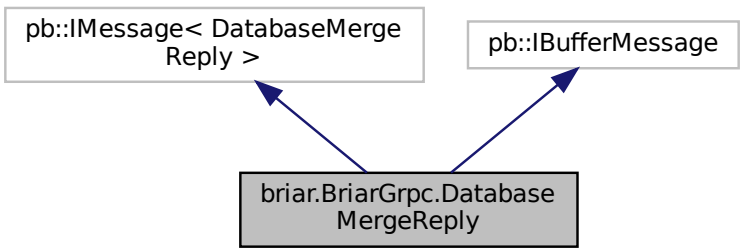
```
pb.MessageParser<DatabaseLoadRequest> briar.BriarGrpc.DatabaseLoadRequest.Parser  [static],
[get]
```

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

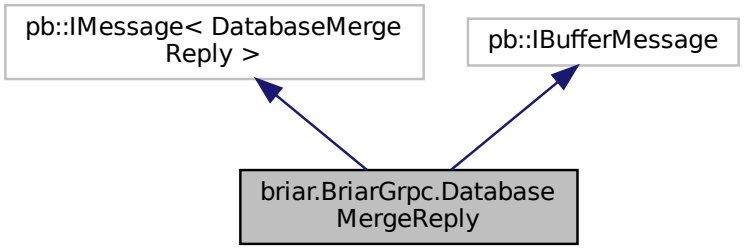
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.46 briar.BriarGrpc.DatabaseMergeReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseMergeReply:



Collaboration diagram for briar.BriarGrpc.DatabaseMergeReply:




## Public Member Functions

- int CalculateSize ()
- DatabaseMergeReply Clone ()
- DatabaseMergeReply ()
- DatabaseMergeReply (DatabaseMergeReply other)
- bool Equals (DatabaseMergeReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseMergeReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 1

  *Field number for the "durations" field.*
- const int EntryCountFieldNumber = 2

  *Field number for the "entry_count" field.*
- const int ExistsFieldNumber = 4

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`
- long EntryCount `[get, set]`

  *REQUIRED: number of entries in the newly merged database*
- pbc::RepeatedField< bool > Exists `[get]`

  *REQUIRED: Set to false if the requested database did not exist*
- static pb::MessageParser< DatabaseMergeReply > Parser `[get]`

## 7.46.1 Constructor & Destructor Documentation

### 7.46.1.1 DatabaseMergeReply() [1/2]

```
briar.BriarGrpc.DatabaseMergeReply.DatabaseMergeReply ( )  [inline]
```

### 7.46.1.2 DatabaseMergeReply() [2/2]

```
briar.BriarGrpc.DatabaseMergeReply.DatabaseMergeReply (
            DatabaseMergeReply other )  [inline]
```

## 7.46.2 Member Function Documentation

### 7.46.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseMergeReply.CalculateSize ( )  [inline]
```

### 7.46.2.2 Clone()

```
DatabaseMergeReply briar.BriarGrpc.DatabaseMergeReply.Clone ( )  [inline]
```

### 7.46.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseMergeReply.Equals (
            DatabaseMergeReply other )  [inline]
```

### 7.46.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseMergeReply.Equals (
            object other )  [inline]
```

#### 7.46.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseMergeReply.GetHashCode ( )  [inline]
```

#### 7.46.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseMergeReply.MergeFrom (
            DatabaseMergeReply other )  [inline]
```

#### 7.46.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseMergeReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.46.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseMergeReply.ToString ( )  [inline]
```

#### 7.46.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseMergeReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.46.3 Member Data Documentation

#### 7.46.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeReply.DurationsFieldNumber = 1  [static]
```

Field number for the "durations" field.

#### 7.46.3.2 EntryCountFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeReply.EntryCountFieldNumber = 2  [static]
```

Field number for the "entry_count" field.

#### 7.46.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeReply.ExistsFieldNumber = 4  [static]
```

Field number for the "exists" field.

### 7.46.4 Property Documentation

#### 7.46.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseMergeReply.Descriptor  [static], [get]
```

#### 7.46.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseMergeReply.Durations  [get],
[set]
```

#### 7.46.4.3 EntryCount

```
long briar.BriarGrpc.DatabaseMergeReply.EntryCount  [get], [set]
```

REQUIRED: number of entries in the newly merged database

#### 7.46.4.4 Exists

```
pbc.RepeatedField<bool> briar.BriarGrpc.DatabaseMergeReply.Exists  [get]
```

REQUIRED: Set to false if the requested database did not exist

#### 7.46.4.5 Parser

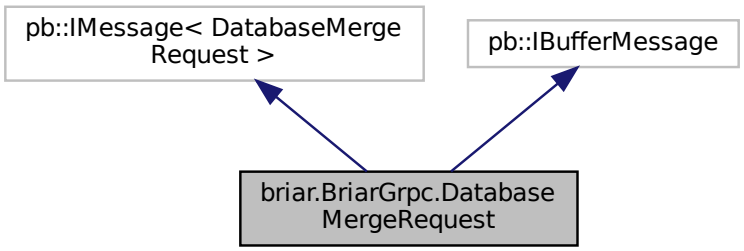
```
pb.MessageParser<DatabaseMergeReply> briar.BriarGrpc.DatabaseMergeReply.Parser  [static],
[get]
```

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

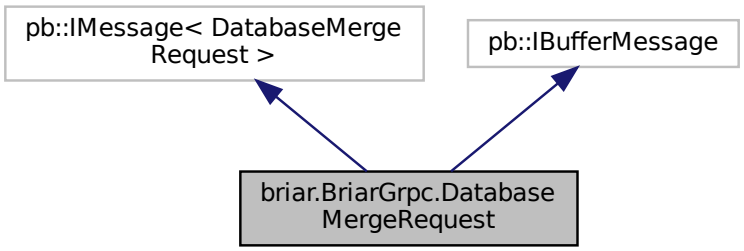
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.47 briar.BriarGrpc.DatabaseMergeRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseMergeRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseMergeRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseMergeRequest Clone ()
- DatabaseMergeRequest ()

- DatabaseMergeRequest (DatabaseMergeRequest other)
- bool Equals (DatabaseMergeRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseMergeRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseListFieldNumber = 1

  *Field number for the "database_list" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int OutputDatabaseFieldNumber = 2

  *Field number for the "output_database" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.BriarDatabase > DatabaseList `[get]`

  *REQUIRED: Databases to merge*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarDatabase OutputDatabase `[get, set]`

  *REQUIRED: Database to output*
- static pb::MessageParser< DatabaseMergeRequest > Parser `[get]`

### 7.47.1 Constructor & Destructor Documentation

#### 7.47.1.1 DatabaseMergeRequest() [1/2]

```
briar.BriarGrpc.DatabaseMergeRequest.DatabaseMergeRequest ( )  [inline]
```

#### 7.47.1.2 DatabaseMergeRequest() [2/2]

```
briar.BriarGrpc.DatabaseMergeRequest.DatabaseMergeRequest (
            DatabaseMergeRequest other )  [inline]
```

### 7.47.2 Member Function Documentation

#### 7.47.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseMergeRequest.CalculateSize ( )  [inline]
```

#### 7.47.2.2 Clone()

```
DatabaseMergeRequest briar.BriarGrpc.DatabaseMergeRequest.Clone ( )  [inline]
```

#### 7.47.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseMergeRequest.Equals (
            DatabaseMergeRequest other )  [inline]
```

#### 7.47.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseMergeRequest.Equals (
            object other )  [inline]
```

#### 7.47.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseMergeRequest.GetHashCode ( )  [inline]
```

#### 7.47.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseMergeRequest.MergeFrom (
            DatabaseMergeRequest other )  [inline]
```

#### 7.47.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseMergeRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.47.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseMergeRequest.ToString ( )  [inline]
```

#### 7.47.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseMergeRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.47.3 Member Data Documentation

#### 7.47.3.1 DatabaseListFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeRequest.DatabaseListFieldNumber = 1  [static]
```

Field number for the "database_list" field.

#### 7.47.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeRequest.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.47.3.3 OutputDatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseMergeRequest.OutputDatabaseFieldNumber = 2  [static]
```

Field number for the "output_database" field.

### 7.47.4 Property Documentation

#### 7.47.4.1 DatabaseList

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarDatabase> briar.BriarGrpc.DatabaseMergeRequest.↩
DatabaseList [get]
```

REQUIRED: Databases to merge

#### 7.47.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseMergeRequest.Descriptor [static], [get]
```

#### 7.47.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseMergeRequest.Durations [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.47.4.4 OutputDatabase

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseMergeRequest.OutputDatabase [get],
[set]
```

REQUIRED: Database to output

#### 7.47.4.5 Parser

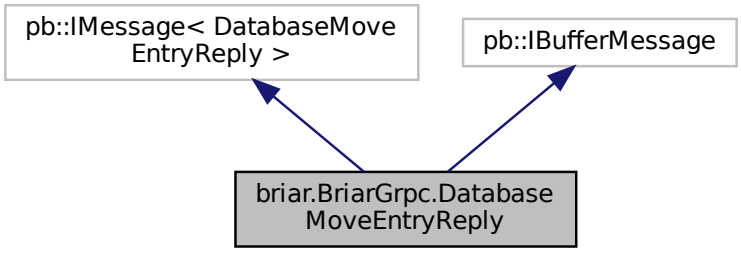
```
pb.MessageParser<DatabaseMergeRequest> briar.BriarGrpc.DatabaseMergeRequest.Parser [static],
[get]
```

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

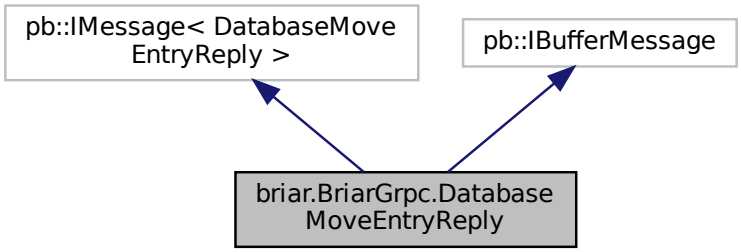
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.48 briar.BriarGrpc.DatabaseMoveEntryReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseMoveEntryReply:




Collaboration diagram for briar.BriarGrpc.DatabaseMoveEntryReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseMoveEntryReply Clone ()
- DatabaseMoveEntryReply ()
- DatabaseMoveEntryReply (DatabaseMoveEntryReply other)
- bool Equals (DatabaseMoveEntryReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseMoveEntryReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ProgressFieldNumber = 2

  *Field number for the "progress" field.*
- const int SuccessFieldNumber = 1

  *Field number for the "success" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< DatabaseMoveEntryReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`
- bool Success `[get, set]`

### 7.48.1 Constructor & Destructor Documentation

#### 7.48.1.1 DatabaseMoveEntryReply() [1/2]

```
briar.BriarGrpc.DatabaseMoveEntryReply.DatabaseMoveEntryReply ( )  [inline]
```

#### 7.48.1.2 DatabaseMoveEntryReply() [2/2]

```
briar.BriarGrpc.DatabaseMoveEntryReply.DatabaseMoveEntryReply (
            DatabaseMoveEntryReply other )  [inline]
```

### 7.48.2 Member Function Documentation

#### 7.48.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseMoveEntryReply.CalculateSize ( )  [inline]
```

#### 7.48.2.2 Clone()

```
DatabaseMoveEntryReply briar.BriarGrpc.DatabaseMoveEntryReply.Clone ( )  [inline]
```

#### 7.48.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseMoveEntryReply.Equals (
            DatabaseMoveEntryReply other )  [inline]
```

#### 7.48.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseMoveEntryReply.Equals (
            object other )  [inline]
```

#### 7.48.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseMoveEntryReply.GetHashCode ( )  [inline]
```

#### 7.48.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseMoveEntryReply.MergeFrom (
            DatabaseMoveEntryReply other )  [inline]
```

#### 7.48.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseMoveEntryReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.48.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseMoveEntryReply.ToString ( )  [inline]
```

#### 7.48.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseMoveEntryReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.48.3 Member Data Documentation

### 7.48.3.1 ProgressFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryReply.ProgressFieldNumber = 2  [static]
```

Field number for the "progress" field.

### 7.48.3.2 SuccessFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryReply.SuccessFieldNumber = 1  [static]
```

Field number for the "success" field.

## 7.48.4 Property Documentation

### 7.48.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseMoveEntryReply.Descriptor  [static], [get]
```

### 7.48.4.2 Parser

```
pb.MessageParser<DatabaseMoveEntryReply> briar.BriarGrpc.DatabaseMoveEntryReply.Parser  [static],
[get]
```

### 7.48.4.3 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.DatabaseMoveEntryReply.Progress  [get],
[set]
```

#### 7.48.4.4 Success

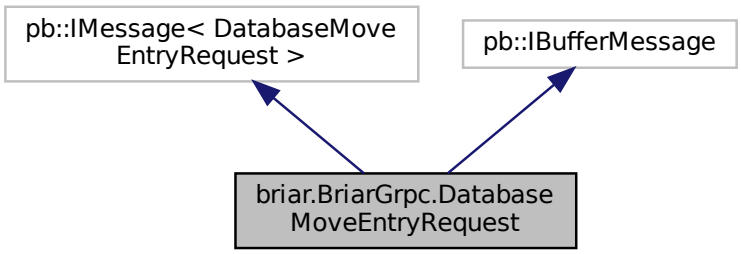
```
bool briar.BriarGrpc.DatabaseMoveEntryReply.Success  [get], [set]
```

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

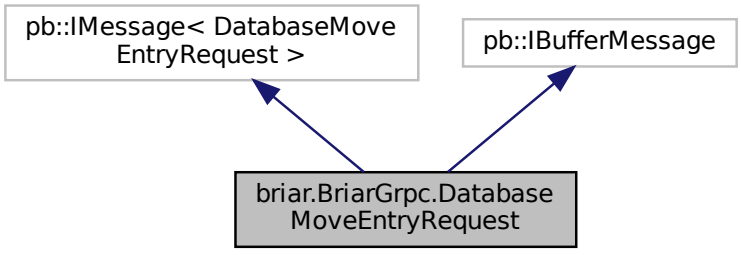
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.49 briar.BriarGrpc.DatabaseMoveEntryRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseMoveEntryRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseMoveEntryRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseMoveEntryRequest Clone ()
- DatabaseMoveEntryRequest ()
- DatabaseMoveEntryRequest (DatabaseMoveEntryRequest other)

- bool Equals (DatabaseMoveEntryRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseMoveEntryRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int EntryIdFieldNumber = 3

  *Field number for the "entry_id" field.*
- const int FromDatabaseFieldNumber = 1

  *Field number for the "from_database" field.*
- const int ShouldCopyFieldNumber = 4

  *Field number for the "should_copy" field.*
- const int ToDatabaseFieldNumber = 2

  *Field number for the "to_database" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- string EntryId `[get, set]`
- global::briar.BriarGrpc.BriarDatabase FromDatabase `[get, set]`
- static pb::MessageParser< DatabaseMoveEntryRequest > Parser `[get]`
- bool ShouldCopy `[get, set]`
- global::briar.BriarGrpc.BriarDatabase ToDatabase `[get, set]`

### 7.49.1 Constructor & Destructor Documentation

#### 7.49.1.1 DatabaseMoveEntryRequest() [1/2]

```
briar.BriarGrpc.DatabaseMoveEntryRequest.DatabaseMoveEntryRequest ( )  [inline]
```

#### 7.49.1.2 DatabaseMoveEntryRequest() [2/2]

```
briar.BriarGrpc.DatabaseMoveEntryRequest.DatabaseMoveEntryRequest (
            DatabaseMoveEntryRequest other )  [inline]
```

### 7.49.2 Member Function Documentation

#### 7.49.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseMoveEntryRequest.CalculateSize ( )  [inline]
```

#### 7.49.2.2 Clone()

```
DatabaseMoveEntryRequest briar.BriarGrpc.DatabaseMoveEntryRequest.Clone ( )  [inline]
```

#### 7.49.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseMoveEntryRequest.Equals (
            DatabaseMoveEntryRequest other )  [inline]
```

#### 7.49.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseMoveEntryRequest.Equals (
            object other )  [inline]
```

#### 7.49.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseMoveEntryRequest.GetHashCode ( )  [inline]
```

#### 7.49.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseMoveEntryRequest.MergeFrom (
            DatabaseMoveEntryRequest other )  [inline]
```

#### 7.49.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseMoveEntryRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.49.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseMoveEntryRequest.ToString ( )  [inline]
```

#### 7.49.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseMoveEntryRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.49.3 Member Data Documentation

#### 7.49.3.1 EntryIdFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryRequest.EntryIdFieldNumber = 3  [static]
```

Field number for the "entry_id" field.

#### 7.49.3.2 FromDatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryRequest.FromDatabaseFieldNumber = 1  [static]
```

Field number for the "from_database" field.

#### 7.49.3.3 ShouldCopyFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryRequest.ShouldCopyFieldNumber = 4  [static]
```

Field number for the "should_copy" field.

#### 7.49.3.4 ToDatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseMoveEntryRequest.ToDatabaseFieldNumber = 2  [static]
```

Field number for the "to_database" field.

## 7.49.4 Property Documentation

### 7.49.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseMoveEntryRequest.Descriptor  [static], [get]
```

### 7.49.4.2 EntryId

```
string briar.BriarGrpc.DatabaseMoveEntryRequest.EntryId  [get], [set]
```

### 7.49.4.3 FromDatabase

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseMoveEntryRequest.FromDatabase
[get], [set]
```

### 7.49.4.4 Parser

```
pb.MessageParser<DatabaseMoveEntryRequest> briar.BriarGrpc.DatabaseMoveEntryRequest.Parser
[static], [get]
```

### 7.49.4.5 ShouldCopy

```
bool briar.BriarGrpc.DatabaseMoveEntryRequest.ShouldCopy  [get], [set]
```

### 7.49.4.6 ToDatabase

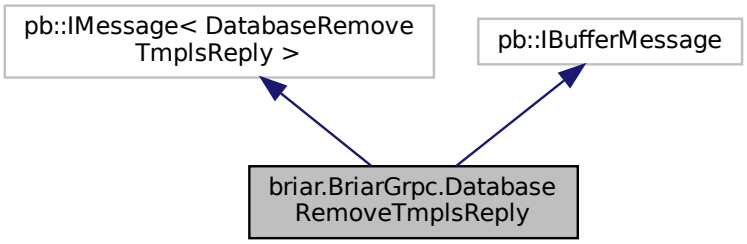
```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseMoveEntryRequest.ToDatabase  [get],
[set]
```

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

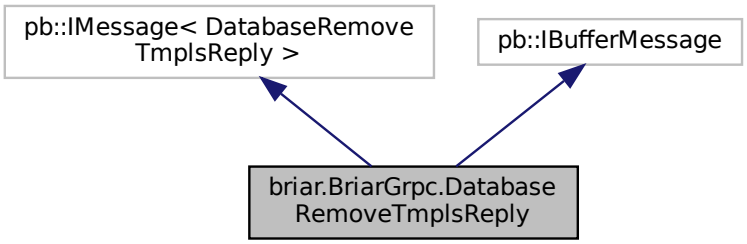
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.50 briar.BriarGrpc.DatabaseRemoveTmplsReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseRemoveTmplsReply:




Collaboration diagram for briar.BriarGrpc.DatabaseRemoveTmplsReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseRemoveTmplsReply Clone ()
- DatabaseRemoveTmplsReply ()
- DatabaseRemoveTmplsReply (DatabaseRemoveTmplsReply other)
- bool Equals (DatabaseRemoveTmplsReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRemoveTmplsReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 1

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 2

  *Field number for the "errors" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *UNIMPLEMENTED:*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *UNIMPLEMENTED: Aggregate errors which happened mid-batch*
- static pb::MessageParser< DatabaseRemoveTmplsReply > Parser `[get]`

### 7.50.1 Constructor & Destructor Documentation

#### 7.50.1.1 DatabaseRemoveTmplsReply() [1/2]

```
briar.BriarGrpc.DatabaseRemoveTmplsReply.DatabaseRemoveTmplsReply ( )  [inline]
```

#### 7.50.1.2 DatabaseRemoveTmplsReply() [2/2]

```
briar.BriarGrpc.DatabaseRemoveTmplsReply.DatabaseRemoveTmplsReply (
            DatabaseRemoveTmplsReply other )  [inline]
```

### 7.50.2 Member Function Documentation

#### 7.50.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRemoveTmplsReply.CalculateSize ( )  [inline]
```

#### 7.50.2.2 Clone()

```
DatabaseRemoveTmplsReply briar.BriarGrpc.DatabaseRemoveTmplsReply.Clone ( )  [inline]
```

#### 7.50.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRemoveTmplsReply.Equals (
            DatabaseRemoveTmplsReply other )  [inline]
```

#### 7.50.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRemoveTmplsReply.Equals (
            object other )  [inline]
```

#### 7.50.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRemoveTmplsReply.GetHashCode ( )  [inline]
```

#### 7.50.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRemoveTmplsReply.MergeFrom (
            DatabaseRemoveTmplsReply other )  [inline]
```

#### 7.50.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRemoveTmplsReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.50.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseRemoveTmplsReply.ToString ( )  [inline]
```

#### 7.50.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRemoveTmplsReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.50.3 Member Data Documentation

### 7.50.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseRemoveTmplsReply.DurationsFieldNumber = 1  [static]
```

Field number for the "durations" field.

### 7.50.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseRemoveTmplsReply.ErrorsFieldNumber = 2  [static]
```

Field number for the "errors" field.

## 7.50.4 Property Documentation

### 7.50.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRemoveTmplsReply.Descriptor  [static], [get]
```

### 7.50.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseRemoveTmplsReply.Durations  [get],
[set]
```

UNIMPLEMENTED:

### 7.50.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseRemoveTmplsReply.Errors  [get],
[set]
```

UNIMPLEMENTED: Aggregate errors which happened mid-batch

#### 7.50.4.4 Parser

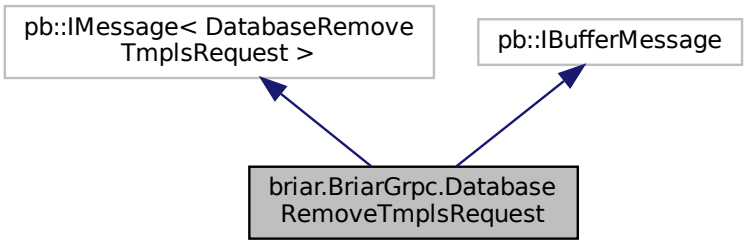
```
pb.MessageParser<DatabaseRemoveTmplsReply> briar.BriarGrpc.DatabaseRemoveTmplsReply.Parser
[static], [get]
```

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

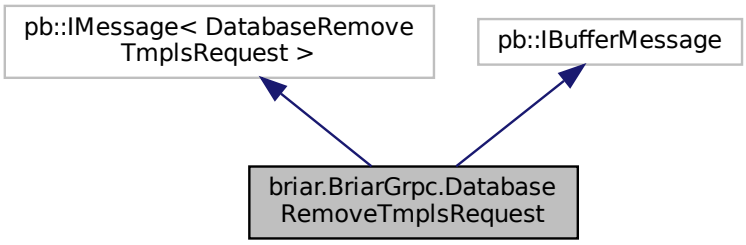
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.51 briar.BriarGrpc.DatabaseRemoveTmplsRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseRemoveTmplsRequest:




Collaboration diagram for briar.BriarGrpc.DatabaseRemoveTmplsRequest:




### Public Member Functions

- int CalculateSize ()
- DatabaseRemoveTmplsRequest Clone ()
- DatabaseRemoveTmplsRequest ()
- DatabaseRemoveTmplsRequest (DatabaseRemoveTmplsRequest other)

- bool Equals (DatabaseRemoveTmplsRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRemoveTmplsRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int IdsFieldNumber = 2

  *Field number for the "ids" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *UNIMPLEMENTED: Database to remove from*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *UNIMPLEMENTED: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`

  *UNIMPLEMENTED:*
- static pb::MessageParser< DatabaseRemoveTmplsRequest > Parser `[get]`

### 7.51.1 Constructor & Destructor Documentation

#### 7.51.1.1 DatabaseRemoveTmplsRequest() [1/2]

```
briar.BriarGrpc.DatabaseRemoveTmplsRequest.DatabaseRemoveTmplsRequest ( )  [inline]
```

#### 7.51.1.2 DatabaseRemoveTmplsRequest() [2/2]

```
briar.BriarGrpc.DatabaseRemoveTmplsRequest.DatabaseRemoveTmplsRequest (
            DatabaseRemoveTmplsRequest other )  [inline]
```

### 7.51.2 Member Function Documentation

#### 7.51.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRemoveTmplsRequest.CalculateSize ( )  [inline]
```

#### 7.51.2.2 Clone()

```
DatabaseRemoveTmplsRequest briar.BriarGrpc.DatabaseRemoveTmplsRequest.Clone ( )  [inline]
```

#### 7.51.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRemoveTmplsRequest.Equals (
            DatabaseRemoveTmplsRequest other )  [inline]
```

#### 7.51.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRemoveTmplsRequest.Equals (
            object other )  [inline]
```

#### 7.51.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRemoveTmplsRequest.GetHashCode ( )  [inline]
```

#### 7.51.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRemoveTmplsRequest.MergeFrom (
            DatabaseRemoveTmplsRequest other )  [inline]
```

#### 7.51.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRemoveTmplsRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.51.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseRemoveTmplsRequest.ToString ( )  [inline]
```

#### 7.51.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRemoveTmplsRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.51.3 Member Data Documentation

#### 7.51.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseRemoveTmplsRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.51.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseRemoveTmplsRequest.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.51.3.3 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseRemoveTmplsRequest.IdsFieldNumber = 2  [static]
```

Field number for the "ids" field.

### 7.51.4 Property Documentation

#### 7.51.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseRemoveTmplsRequest.Database [get],
[set]
```

UNIMPLEMENTED: Database to remove from

#### 7.51.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRemoveTmplsRequest.Descriptor [static], [get]
```

#### 7.51.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseRemoveTmplsRequest.Durations
[get], [set]
```

UNIMPLEMENTED: Log the time needed to complete the request on the server

#### 7.51.4.4 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseRemoveTmplsRequest.Ids [get], [set]
```

UNIMPLEMENTED:

#### 7.51.4.5 Parser

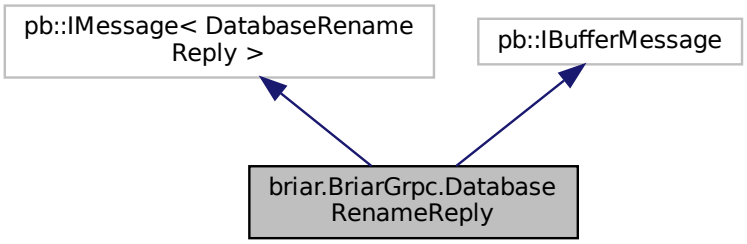
```
pb.MessageParser<DatabaseRemoveTmplsRequest> briar.BriarGrpc.DatabaseRemoveTmplsRequest.Parser
[static], [get]
```

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

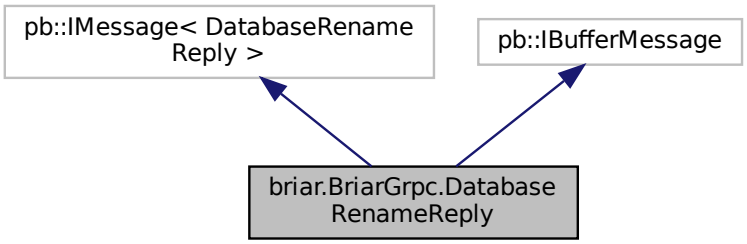
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.52 briar.BriarGrpc.DatabaseRenameReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseRenameReply:




Collaboration diagram for briar.BriarGrpc.DatabaseRenameReply:




### Public Member Functions

- int CalculateSize ()
- DatabaseRenameReply Clone ()
- DatabaseRenameReply ()
- DatabaseRenameReply (DatabaseRenameReply other)
- bool Equals (DatabaseRenameReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRenameReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 1

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int ExistsFieldNumber = 2

  *Field number for the "exists" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *Aggregate errors which happened mid-batch*
- bool Exists `[get, set]`

  *REQUIRED: Set to false if the requested database did not exist*
- static pb::MessageParser< DatabaseRenameReply > Parser `[get]`

## 7.52.1 Constructor & Destructor Documentation

### 7.52.1.1 DatabaseRenameReply() [1/2]

```
briar.BriarGrpc.DatabaseRenameReply.DatabaseRenameReply ( )  [inline]
```

### 7.52.1.2 DatabaseRenameReply() [2/2]

```
briar.BriarGrpc.DatabaseRenameReply.DatabaseRenameReply (
            DatabaseRenameReply other )  [inline]
```

## 7.52.2 Member Function Documentation

### 7.52.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRenameReply.CalculateSize ( )  [inline]
```

#### 7.52.2.2 Clone()

```
DatabaseRenameReply briar.BriarGrpc.DatabaseRenameReply.Clone ( )  [inline]
```

#### 7.52.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRenameReply.Equals (
            DatabaseRenameReply other )  [inline]
```

#### 7.52.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRenameReply.Equals (
            object other )  [inline]
```

#### 7.52.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRenameReply.GetHashCode ( )  [inline]
```

#### 7.52.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRenameReply.MergeFrom (
            DatabaseRenameReply other )  [inline]
```

#### 7.52.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRenameReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.52.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseRenameReply.ToString ( )  [inline]
```

#### 7.52.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRenameReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.52.3 Member Data Documentation

#### 7.52.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseRenameReply.DurationsFieldNumber = 1  [static]
```

Field number for the "durations" field.

#### 7.52.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseRenameReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.52.3.3 ExistsFieldNumber

```
const int briar.BriarGrpc.DatabaseRenameReply.ExistsFieldNumber = 2  [static]
```

Field number for the "exists" field.

### 7.52.4 Property Documentation

#### 7.52.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRenameReply.Descriptor  [static], [get]
```

#### 7.52.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseRenameReply.Durations  [get],
[set]
```

#### 7.52.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseRenameReply.Errors  [get], [set]
```

Aggregate errors which happened mid-batch

#### 7.52.4.4 Exists

```
bool briar.BriarGrpc.DatabaseRenameReply.Exists  [get], [set]
```

REQUIRED: Set to false if the requested database did not exist

#### 7.52.4.5 Parser

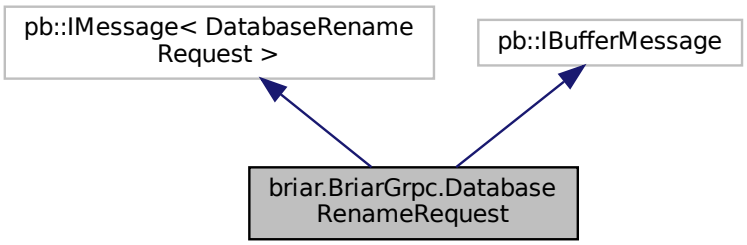
```
pb.MessageParser<DatabaseRenameReply> briar.BriarGrpc.DatabaseRenameReply.Parser  [static],
[get]
```

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

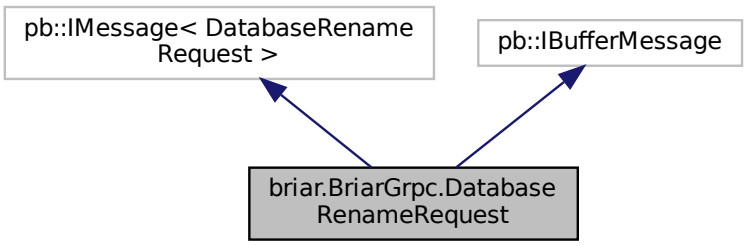
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.53 briar.BriarGrpc.DatabaseRenameRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseRenameRequest:



Collaboration diagram for briar.BriarGrpc.DatabaseRenameRequest:




## Public Member Functions

- int CalculateSize ()
- DatabaseRenameRequest Clone ()
- DatabaseRenameRequest ()
- DatabaseRenameRequest (DatabaseRenameRequest other)
- bool Equals (DatabaseRenameRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRenameRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DatabaseNewFieldNumber = 2

  *Field number for the "database_new" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Database to remove from*
- global::briar.BriarGrpc.BriarDatabase DatabaseNew `[get, set]`

  *REQUIRED: Database to remove from*
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< DatabaseRenameRequest > Parser `[get]`

### 7.53.1 Constructor & Destructor Documentation

#### 7.53.1.1 DatabaseRenameRequest() [1/2]

```
briar.BriarGrpc.DatabaseRenameRequest.DatabaseRenameRequest ( )  [inline]
```

#### 7.53.1.2 DatabaseRenameRequest() [2/2]

```
briar.BriarGrpc.DatabaseRenameRequest.DatabaseRenameRequest (
            DatabaseRenameRequest other )  [inline]
```

### 7.53.2 Member Function Documentation

#### 7.53.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRenameRequest.CalculateSize ( )  [inline]
```

#### 7.53.2.2 Clone()

```
DatabaseRenameRequest briar.BriarGrpc.DatabaseRenameRequest.Clone ( )  [inline]
```

#### 7.53.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRenameRequest.Equals (
            DatabaseRenameRequest other )  [inline]
```

#### 7.53.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRenameRequest.Equals (
            object other )  [inline]
```

#### 7.53.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRenameRequest.GetHashCode ( )  [inline]
```

#### 7.53.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRenameRequest.MergeFrom (
            DatabaseRenameRequest other )  [inline]
```

#### 7.53.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRenameRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.53.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseRenameRequest.ToString ( )  [inline]
```

#### 7.53.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRenameRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.53.3 Member Data Documentation

#### 7.53.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseRenameRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.53.3.2 DatabaseNewFieldNumber

```
const int briar.BriarGrpc.DatabaseRenameRequest.DatabaseNewFieldNumber = 2  [static]
```

Field number for the "database_new" field.

### 7.53.4 Property Documentation

#### 7.53.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseRenameRequest.Database [get], [set]
```

REQUIRED: Database to remove from

#### 7.53.4.2 DatabaseNew

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseRenameRequest.DatabaseNew [get], [set]
```

REQUIRED: Database to remove from

#### 7.53.4.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRenameRequest.Descriptor [static], [get]
```

#### 7.53.4.4 Parser

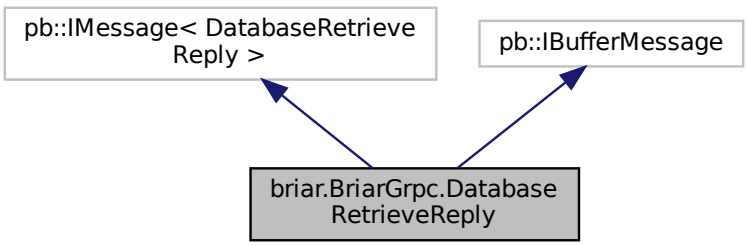
```
pb.MessageParser<DatabaseRenameRequest> briar.BriarGrpc.DatabaseRenameRequest.Parser [static], [get]
```

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

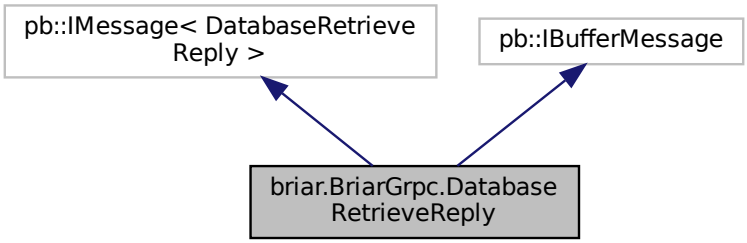
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.54 briar.BriarGrpc.DatabaseRetrieveReply Class Reference

Inheritance diagram for briar.BriarGrpc.DatabaseRetrieveReply:



Collaboration diagram for briar.BriarGrpc.DatabaseRetrieveReply:




## Public Member Functions

- int CalculateSize ()
- DatabaseRetrieveReply Clone ()
- DatabaseRetrieveReply ()
- DatabaseRetrieveReply (DatabaseRetrieveReply other)
- bool Equals (DatabaseRetrieveReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRetrieveReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 4

  *Field number for the "errors" field.*
- const int RecordsFieldNumber = 2

  *Field number for the "records" field.*
- const int TemplatesFieldNumber = 1

  *Field number for the "templates" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *UNIMPLEMENTED: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- static pb::MessageParser< DatabaseRetrieveReply > Parser `[get]`
- global::briar.BriarGrpc.TemplateList Records `[get, set]`

  *DEPRICATED: duplicate output.*
- global::briar.BriarGrpc.TemplateList Templates `[get, set]`

  *UNIMPLEMENTED*

## 7.54.1 Constructor & Destructor Documentation

### 7.54.1.1 DatabaseRetrieveReply() [1/2]

```
briar.BriarGrpc.DatabaseRetrieveReply.DatabaseRetrieveReply ( )  [inline]
```

### 7.54.1.2 DatabaseRetrieveReply() [2/2]

```
briar.BriarGrpc.DatabaseRetrieveReply.DatabaseRetrieveReply (
            DatabaseRetrieveReply other )  [inline]
```

## 7.54.2 Member Function Documentation

### 7.54.2.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRetrieveReply.CalculateSize ( )  [inline]
```

### 7.54.2.2 Clone()

```
DatabaseRetrieveReply briar.BriarGrpc.DatabaseRetrieveReply.Clone ( )  [inline]
```

### 7.54.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRetrieveReply.Equals (
            DatabaseRetrieveReply other )  [inline]
```

### 7.54.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRetrieveReply.Equals (
            object other )  [inline]
```

#### 7.54.2.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRetrieveReply.GetHashCode ( )  [inline]
```

#### 7.54.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRetrieveReply.MergeFrom (
            DatabaseRetrieveReply other )  [inline]
```

#### 7.54.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRetrieveReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.54.2.8 ToString()

```
override string briar.BriarGrpc.DatabaseRetrieveReply.ToString ( )  [inline]
```

#### 7.54.2.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRetrieveReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.54.3 Member Data Documentation

#### 7.54.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.54.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveReply.ErrorsFieldNumber = 4  [static]
```

Field number for the "errors" field.

#### 7.54.3.3 RecordsFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveReply.RecordsFieldNumber = 2  [static]
```

Field number for the "records" field.

#### 7.54.3.4 TemplatesFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveReply.TemplatesFieldNumber = 1  [static]
```

Field number for the "templates" field.

### 7.54.4 Property Documentation

#### 7.54.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRetrieveReply.Descriptor  [static], [get]
```

#### 7.54.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseRetrieveReply.Durations  [get],
[set]
```

UNIMPLEMENTED: Log the time needed to complete the request on the server

#### 7.54.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DatabaseRetrieveReply.Errors  [get], [set]
```

#### 7.54.4.4 Parser

```
pb.MessageParser<DatabaseRetrieveReply> briar.BriarGrpc.DatabaseRetrieveReply.Parser  [static], [get]
```

#### 7.54.4.5 Records

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.DatabaseRetrieveReply.Records  [get], [set]
```

DEPRICATED: duplicate output.

#### 7.54.4.6 Templates

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.DatabaseRetrieveReply.Templates  [get], [set]
```

UNIMPLEMENTED

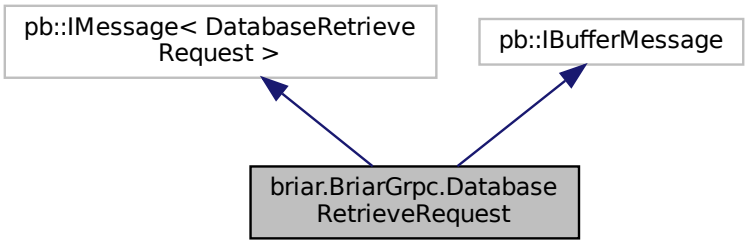
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

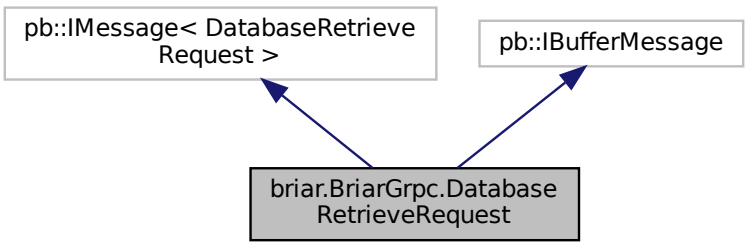
## 7.55 briar.BriarGrpc.DatabaseRetrieveRequest Class Reference

OPTIONAL: request that returns a databases contents to the client.

Inheritance diagram for briar.BriarGrpc.DatabaseRetrieveRequest:



Collaboration diagram for briar.BriarGrpc.DatabaseRetrieveRequest:




## Public Member Functions

- int CalculateSize ()
- DatabaseRetrieveRequest Clone ()
- DatabaseRetrieveRequest ()
- DatabaseRetrieveRequest (DatabaseRetrieveRequest other)
- bool Equals (DatabaseRetrieveRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DatabaseRetrieveRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 1

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int IdsFieldNumber = 2

  *Field number for the "ids" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *Database to retrieve from*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.TemplateIds Ids `[get, set]`
- static pb::MessageParser< DatabaseRetrieveRequest > Parser `[get]`

### 7.55.1 Detailed Description

OPTIONAL: request that returns a databases contents to the client.

Could be very slow

### 7.55.2 Constructor & Destructor Documentation

#### 7.55.2.1 DatabaseRetrieveRequest() [1/2]

```
briar.BriarGrpc.DatabaseRetrieveRequest.DatabaseRetrieveRequest ( )  [inline]
```

#### 7.55.2.2 DatabaseRetrieveRequest() [2/2]

```
briar.BriarGrpc.DatabaseRetrieveRequest.DatabaseRetrieveRequest (
            DatabaseRetrieveRequest other )  [inline]
```

### 7.55.3 Member Function Documentation

#### 7.55.3.1 CalculateSize()

```
int briar.BriarGrpc.DatabaseRetrieveRequest.CalculateSize ( )  [inline]
```

#### 7.55.3.2 Clone()

```
DatabaseRetrieveRequest briar.BriarGrpc.DatabaseRetrieveRequest.Clone ( )  [inline]
```

#### 7.55.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.DatabaseRetrieveRequest.Equals (
            DatabaseRetrieveRequest other )  [inline]
```

#### 7.55.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DatabaseRetrieveRequest.Equals (
            object other )  [inline]
```

#### 7.55.3.5 GetHashCode()

```
override int briar.BriarGrpc.DatabaseRetrieveRequest.GetHashCode ( )  [inline]
```

#### 7.55.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DatabaseRetrieveRequest.MergeFrom (
            DatabaseRetrieveRequest other )  [inline]
```

#### 7.55.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DatabaseRetrieveRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.55.3.8 ToString()

```
override string briar.BriarGrpc.DatabaseRetrieveRequest.ToString ( )  [inline]
```

#### 7.55.3.9 WriteTo()

```
void briar.BriarGrpc.DatabaseRetrieveRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.55.4 Member Data Documentation

#### 7.55.4.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveRequest.DatabaseFieldNumber = 1  [static]
```

Field number for the "database" field.

#### 7.55.4.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveRequest.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.55.4.3 IdsFieldNumber

```
const int briar.BriarGrpc.DatabaseRetrieveRequest.IdsFieldNumber = 2  [static]
```

Field number for the "ids" field.

### 7.55.5 Property Documentation

#### 7.55.5.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.DatabaseRetrieveRequest.Database  [get],
[set]
```

Database to retrieve from

#### 7.55.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DatabaseRetrieveRequest.Descriptor  [static], [get]
```

#### 7.55.5.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DatabaseRetrieveRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.55.5.4 Ids

```
global.briar.BriarGrpc.TemplateIds briar.BriarGrpc.DatabaseRetrieveRequest.Ids  [get], [set]
```

#### 7.55.5.5 Parser

```
pb.MessageParser<DatabaseRetrieveRequest> briar.BriarGrpc.DatabaseRetrieveRequest.Parser
[static], [get]
```

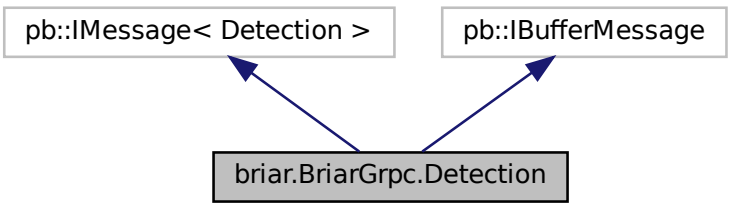
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

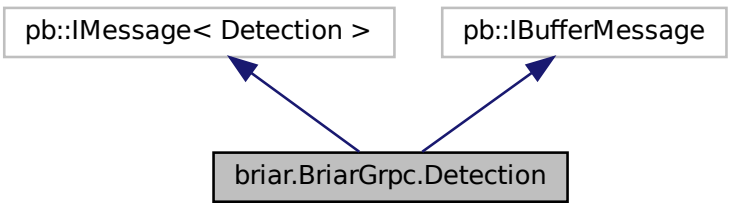
## 7.56 briar.BriarGrpc.Detection Class Reference

Data relating to the detection of an object in an image.

Inheritance diagram for briar.BriarGrpc.Detection:




Collaboration diagram for briar.BriarGrpc.Detection:



## Public Member Functions

- int CalculateSize ()
- Detection Clone ()
- Detection ()
- Detection (Detection other)
- bool Equals (Detection other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (Detection other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 7

  *Field number for the "attributes" field.*
- const int ConfidenceFieldNumber = 1

  *Field number for the "confidence" field.*
- const int DetectionClassFieldNumber = 6

  *Field number for the "detection_class" field.*
- const int DetectionIdFieldNumber = 4

  *Field number for the "detection_id" field.*
- const int FrameFieldNumber = 3

  *Field number for the "frame" field.*
- const int LocationFieldNumber = 2

  *Field number for the "location" field.*
- const int MaskFieldNumber = 8

  *Field number for the "mask" field.*
- const int MediaFieldNumber = 9

  *Field number for the "media" field.*
- const int ModalityFieldNumber = 10

  *Field number for the "modality" field.*
- const int TrackletIdFieldNumber = 5

  *Field number for the "tracklet_id" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *OPTIONAL: attributes describing the detection*
- float Confidence `[get, set]`

  *RECOMMENDED: Confidence of detection*
- static pbr::MessageDescriptor Descriptor `[get]`
- string DetectionClass `[get, set]`

  *DEPRICATED: use modality or attributes instead*
- long DetectionId `[get, set]`

  *RECOMMENDED: unique id of detection*
- int Frame `[get, set]`

  *RECOMMENDED: Frame number associated with the detection*

- global::briar.BriarGrpc.BriarRect Location [get, set]

  *REQUIRED: Bounding Box of detection*
- global::briar.BriarGrpc.BriarMedia Mask [get, set]

  *DEPRICATED: use attributes instead - a mask pertaining to the segmented object detected*
- global::briar.BriarGrpc.BriarMedia Media [get, set]

  *DEPRICATED: use attributes instead - data pertaining to the detection (i.e.*
- global::briar.BriarGrpc.BiometricModality Modality [get, set]

  *RECOMMENDED: modality associated with this detection.*
- static pb::MessageParser< Detection > Parser [get]
- long TrackletId [get, set]

  *RECOMMENDED: the id of a tracklet for this media*

## 7.56.1 Detailed Description

Data relating to the detection of an object in an image.

Tracklet_id should be associate with a single person which may contain multiple detections for many modalities (head, body, hands, etc) and result in a single multimodal template.

## 7.56.2 Constructor & Destructor Documentation

### 7.56.2.1 Detection() [1/2]

```
briar.BriarGrpc.Detection.Detection ( )  [inline]
```

### 7.56.2.2 Detection() [2/2]

```
briar.BriarGrpc.Detection.Detection (
            Detection other )  [inline]
```

## 7.56.3 Member Function Documentation

### 7.56.3.1 CalculateSize()

```
int briar.BriarGrpc.Detection.CalculateSize ( )  [inline]
```

#### 7.56.3.2 Clone()

```
Detection briar.BriarGrpc.Detection.Clone ( )  [inline]
```

#### 7.56.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.Detection.Equals (
            Detection other )  [inline]
```

#### 7.56.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.Detection.Equals (
            object other )  [inline]
```

#### 7.56.3.5 GetHashCode()

```
override int briar.BriarGrpc.Detection.GetHashCode ( )  [inline]
```

#### 7.56.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Detection.MergeFrom (
            Detection other )  [inline]
```

#### 7.56.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Detection.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.56.3.8 ToString()

```
override string briar.BriarGrpc.Detection.ToString ( )  [inline]
```

#### 7.56.3.9 WriteTo()

```
void briar.BriarGrpc.Detection.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.56.4 Member Data Documentation

#### 7.56.4.1 AttributesFieldNumber

```
const int briar.BriarGrpc.Detection.AttributesFieldNumber = 7  [static]
```

Field number for the "attributes" field.

#### 7.56.4.2 ConfidenceFieldNumber

```
const int briar.BriarGrpc.Detection.ConfidenceFieldNumber = 1  [static]
```

Field number for the "confidence" field.

#### 7.56.4.3 DetectionClassFieldNumber

```
const int briar.BriarGrpc.Detection.DetectionClassFieldNumber = 6  [static]
```

Field number for the "detection_class" field.

#### 7.56.4.4 DetectionIdFieldNumber

```
const int briar.BriarGrpc.Detection.DetectionIdFieldNumber = 4  [static]
```

Field number for the "detection_id" field.

#### 7.56.4.5 FrameFieldNumber

```
const int briar.BriarGrpc.Detection.FrameFieldNumber = 3  [static]
```

Field number for the "frame" field.

#### 7.56.4.6 LocationFieldNumber

```
const int briar.BriarGrpc.Detection.LocationFieldNumber = 2  [static]
```

Field number for the "location" field.

#### 7.56.4.7 MaskFieldNumber

```
const int briar.BriarGrpc.Detection.MaskFieldNumber = 8  [static]
```

Field number for the "mask" field.

#### 7.56.4.8 MediaFieldNumber

```
const int briar.BriarGrpc.Detection.MediaFieldNumber = 9  [static]
```

Field number for the "media" field.

#### 7.56.4.9 ModalityFieldNumber

```
const int briar.BriarGrpc.Detection.ModalityFieldNumber = 10  [static]
```

Field number for the "modality" field.

#### 7.56.4.10 TrackletIdFieldNumber

```
const int briar.BriarGrpc.Detection.TrackletIdFieldNumber = 5  [static]
```

Field number for the "tracklet_id" field.

### 7.56.5 Property Documentation

#### 7.56.5.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.Detection.Attributes
[get]
```

OPTIONAL: attributes describing the detection

#### 7.56.5.2 Confidence

```
float briar.BriarGrpc.Detection.Confidence  [get], [set]
```

RECOMMENDED: Confidence of detection

#### 7.56.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Detection.Descriptor  [static], [get]
```

#### 7.56.5.4 DetectionClass

```
string briar.BriarGrpc.Detection.DetectionClass  [get], [set]
```

DEPRICATED: use modality or attributes instead

#### 7.56.5.5 DetectionId

```
long briar.BriarGrpc.Detection.DetectionId  [get], [set]
```

RECOMMENDED: unique id of detection

#### 7.56.5.6 Frame

```
int briar.BriarGrpc.Detection.Frame  [get], [set]
```

RECOMMENDED: Frame number associated with the detection

#### 7.56.5.7 Location

```
global.briar.BriarGrpc.BriarRect briar.BriarGrpc.Detection.Location  [get], [set]
```

REQUIRED: Bounding Box of detection

#### 7.56.5.8 Mask

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.Detection.Mask  [get], [set]
```

DEPRICATED: use attributes instead - a mask pertaining to the segmented object detected

#### 7.56.5.9 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.Detection.Media  [get], [set]
```

DEPRICATED: use attributes instead - data pertaining to the detection (i.e.

an optional image)

#### 7.56.5.10 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.Detection.Modality  [get], [set]
```

RECOMMENDED: modality associated with this detection.

#### 7.56.5.11 Parser

```
pb.MessageParser<Detection> briar.BriarGrpc.Detection.Parser  [static], [get]
```

#### 7.56.5.12 TrackletId

```
long briar.BriarGrpc.Detection.TrackletId  [get], [set]
```

RECOMMENDED: the id of a tracklet for this media

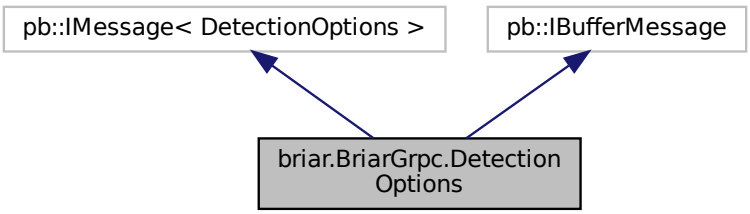
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

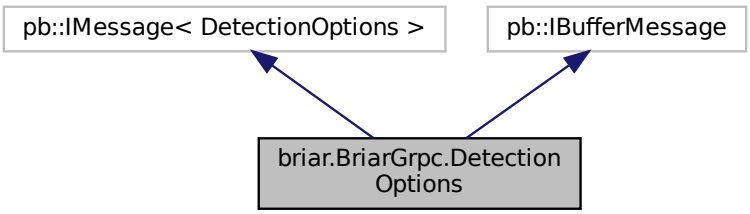
# 7.57 briar.BriarGrpc.DetectionOptions Class Reference

Configuration for the detection algorithm

Inheritance diagram for briar.BriarGrpc.DetectionOptions:




Collaboration diagram for briar.BriarGrpc.DetectionOptions:




## Public Member Functions

- int CalculateSize ()
- DetectionOptions Clone ()
- DetectionOptions ()
- DetectionOptions (DetectionOptions other)
- bool Equals (DetectionOptions other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DetectionOptions other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmIdFieldNumber = 1

  *Field number for the "algorithm_id" field.*
- const int AttributesFieldNumber = 14

  *Field number for the "attributes" field.*
- const int BestFieldNumber = 2

  *Field number for the "best" field.*
- const int BodyMinHeightFieldNumber = 6

  *Field number for the "body_min_height" field.*
- const int BodyThresholdFieldNumber = 4

  *Field number for the "body_threshold" field.*
- const int DebugFieldNumber = 9

  *Field number for the "debug" field.*
- const int DetectBatchFieldNumber = 7

  *Field number for the "detect_batch" field.*
- const int EnableMetadataFieldNumber = 8

  *Field number for the "enable_metadata" field.*
- const int FaceMinHeightFieldNumber = 5

  *Field number for the "face_min_height" field.*
- const int FaceThresholdFieldNumber = 3

  *Field number for the "face_threshold" field.*
- const int ModalityFieldNumber = 12

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 10

  *Field number for the "return_media" field.*
- const int TrackingOptionsFieldNumber = 11

  *Field number for the "tracking_options" field.*

## Properties

- global::briar.BriarGrpc.StringOption AlgorithmId `[get, set]`

  *uid corresponding to which algorithm to use*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing algorithm specific or custom options*
- global::briar.BriarGrpc.BoolOption Best `[get, set]`

  *only respond with the best candidates*
- global::briar.BriarGrpc.IntOption BodyMinHeight `[get, set]`

  *min size for a body detection to be considered*
- global::briar.BriarGrpc.FloatOption BodyThreshold `[get, set]`

  *min score for candidate consideration*
- global::briar.BriarGrpc.BoolOption Debug `[get, set]`

  *Save or print more info on the server side*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.IntOption DetectBatch `[get, set]`

  *batch size for detection processes*
- global::briar.BriarGrpc.BoolOption EnableMetadata `[get, set]`

  *extract additional metadata and attributes (landmarks, pose, demographics, etc)*
- global::briar.BriarGrpc.IntOption FaceMinHeight `[get, set]`

  *min size for a face detection to be considered*

- global::briar.BriarGrpc.FloatOption FaceThreshold [get, set]
  *min score for candidate consideration*
- global::briar.BriarGrpc.BiometricModality Modality [get, set]
  *Whether detection is for face or whole body*
- static pb::MessageParser< DetectionOptions > Parser [get]
- global::briar.BriarGrpc.BoolOption ReturnMedia [get, set]
  *Should we return media (e.i.*
- global::briar.BriarGrpc.TrackingOptions TrackingOptions [get, set]
  *Configure tracking*

## 7.57.1 Detailed Description

Configuration for the detection algorithm

## 7.57.2 Constructor & Destructor Documentation

### 7.57.2.1 DetectionOptions() [1/2]

```
briar.BriarGrpc.DetectionOptions.DetectionOptions ( )  [inline]
```

### 7.57.2.2 DetectionOptions() [2/2]

```
briar.BriarGrpc.DetectionOptions.DetectionOptions (
            DetectionOptions other )  [inline]
```

## 7.57.3 Member Function Documentation

### 7.57.3.1 CalculateSize()

```
int briar.BriarGrpc.DetectionOptions.CalculateSize ( )  [inline]
```

### 7.57.3.2 Clone()

```
DetectionOptions briar.BriarGrpc.DetectionOptions.Clone ( )  [inline]
```

#### 7.57.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.DetectionOptions.Equals (
            DetectionOptions other )  [inline]
```

#### 7.57.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DetectionOptions.Equals (
            object other )  [inline]
```

#### 7.57.3.5 GetHashCode()

```
override int briar.BriarGrpc.DetectionOptions.GetHashCode ( )  [inline]
```

#### 7.57.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DetectionOptions.MergeFrom (
            DetectionOptions other )  [inline]
```

#### 7.57.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DetectionOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.57.3.8 ToString()

```
override string briar.BriarGrpc.DetectionOptions.ToString ( )  [inline]
```

#### 7.57.3.9 WriteTo()

```
void briar.BriarGrpc.DetectionOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.57.4 Member Data Documentation

### 7.57.4.1 AlgorithmIdFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.AlgorithmIdFieldNumber = 1  [static]
```

Field number for the "algorithm_id" field.

### 7.57.4.2 AttributesFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.AttributesFieldNumber = 14  [static]
```

Field number for the "attributes" field.

### 7.57.4.3 BestFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.BestFieldNumber = 2  [static]
```

Field number for the "best" field.

### 7.57.4.4 BodyMinHeightFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.BodyMinHeightFieldNumber = 6  [static]
```

Field number for the "body_min_height" field.

### 7.57.4.5 BodyThresholdFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.BodyThresholdFieldNumber = 4  [static]
```

Field number for the "body_threshold" field.

#### 7.57.4.6 DebugFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.DebugFieldNumber = 9  [static]
```

Field number for the "debug" field.

#### 7.57.4.7 DetectBatchFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.DetectBatchFieldNumber = 7  [static]
```

Field number for the "detect_batch" field.

#### 7.57.4.8 EnableMetadataFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.EnableMetadataFieldNumber = 8  [static]
```

Field number for the "enable_metadata" field.

#### 7.57.4.9 FaceMinHeightFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.FaceMinHeightFieldNumber = 5  [static]
```

Field number for the "face_min_height" field.

#### 7.57.4.10 FaceThresholdFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.FaceThresholdFieldNumber = 3  [static]
```

Field number for the "face_threshold" field.

#### 7.57.4.11 ModalityFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.ModalityFieldNumber = 12  [static]
```

Field number for the "modality" field.

#### 7.57.4.12 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.ReturnMediaFieldNumber = 10  [static]
```

Field number for the "return_media" field.

#### 7.57.4.13 TrackingOptionsFieldNumber

```
const int briar.BriarGrpc.DetectionOptions.TrackingOptionsFieldNumber = 11  [static]
```

Field number for the "tracking_options" field.

### 7.57.5 Property Documentation

#### 7.57.5.1 AlgorithmId

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.DetectionOptions.AlgorithmId  [get], [set]
```

uid corresponding to which algorithm to use

#### 7.57.5.2 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.DetectionOptions.Attributes
[get]
```

Used for passing algorithm specific or custom options

#### 7.57.5.3 Best

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.DetectionOptions.Best  [get], [set]
```

only respond with the best candidates

#### 7.57.5.4 BodyMinHeight

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.DetectionOptions.BodyMinHeight  [get], [set]
```

min size for a body detection to be considered

#### 7.57.5.5 BodyThreshold

```
global.briar.BriarGrpc.FloatOption briar.BriarGrpc.DetectionOptions.BodyThreshold [get], [set]
```

min score for candidate consideration

#### 7.57.5.6 Debug

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.DetectionOptions.Debug [get], [set]
```

Save or print more info on the server side

#### 7.57.5.7 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DetectionOptions.Descriptor [static], [get]
```

#### 7.57.5.8 DetectBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.DetectionOptions.DetectBatch [get], [set]
```

batch size for detection processes

#### 7.57.5.9 EnableMetadata

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.DetectionOptions.EnableMetadata [get], [set]
```

extract additional metadata and attributes (landmarks, pose, demographics, etc)

#### 7.57.5.10 FaceMinHeight

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.DetectionOptions.FaceMinHeight [get], [set]
```

min size for a face detection to be considered

#### 7.57.5.11 FaceThreshold

```
global.briar.BriarGrpc.FloatOption briar.BriarGrpc.DetectionOptions.FaceThreshold  [get], [set]
```

min score for candidate consideration

#### 7.57.5.12 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.DetectionOptions.Modality  [get],
[set]
```

Whether detection is for face or whole body

#### 7.57.5.13 Parser

```
pb.MessageParser<DetectionOptions> briar.BriarGrpc.DetectionOptions.Parser  [static], [get]
```

#### 7.57.5.14 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.DetectionOptions.ReturnMedia  [get], [set]
```

Should we return media (e.i.

cropped images) related to the detections back to the client?

#### 7.57.5.15 TrackingOptions

```
global.briar.BriarGrpc.TrackingOptions briar.BriarGrpc.DetectionOptions.TrackingOptions  [get],
[set]
```

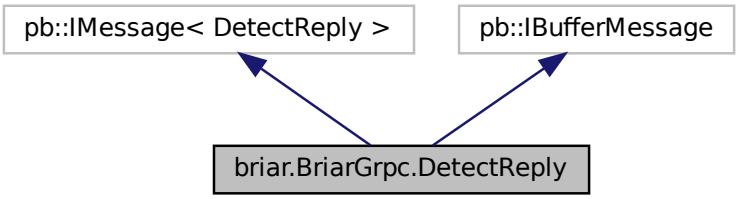
Configure tracking

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

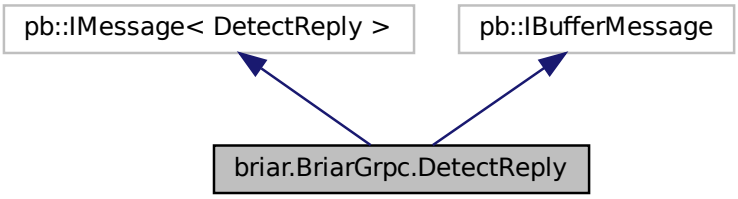
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.58 briar.BriarGrpc.DetectReply Class Reference

Inheritance diagram for briar.BriarGrpc.DetectReply:




Collaboration diagram for briar.BriarGrpc.DetectReply:




### Public Member Functions

- int CalculateSize ()
- DetectReply Clone ()
- DetectReply ()
- DetectReply (DetectReply other)
- bool Equals (DetectReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DetectReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectionsFieldNumber = 1

  *Field number for the "detections" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 5

  *Field number for the "errors" field.*
- const int FrameIdFieldNumber = 3

  *Field number for the "frame_id" field.*
- const int ModalityFieldNumber = 4

  *Field number for the "modality" field.*
- const int ProgressFieldNumber = 6

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 8

  *Field number for the "progress_only_reply" field.*
- const int ReferenceMediaFieldNumber = 7

  *Field number for the "reference_media" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *TODO: Fill in responses here.*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *REQUIRED: Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- long FrameId `[get, set]`

  *REQUIRED: The id of the media frame associated with the detections.*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *OPTIONAL: the modality detected*
- static pb::MessageParser< DetectReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *REQUIRED: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- global::briar.BriarGrpc.BriarMedia ReferenceMedia `[get, set]`

  *OPTIONAL: put reference media here to return it to the API.*

### 7.58.1 Constructor & Destructor Documentation

#### 7.58.1.1 DetectReply() `[1/2]`

```
briar.BriarGrpc.DetectReply.DetectReply ( )  [inline]
```

#### 7.58.1.2 DetectReply() [2/2]

```
briar.BriarGrpc.DetectReply.DetectReply (
            DetectReply other )  [inline]
```

### 7.58.2 Member Function Documentation

#### 7.58.2.1 CalculateSize()

```
int briar.BriarGrpc.DetectReply.CalculateSize ( )  [inline]
```

#### 7.58.2.2 Clone()

```
DetectReply briar.BriarGrpc.DetectReply.Clone ( )  [inline]
```

#### 7.58.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DetectReply.Equals (
            DetectReply other )  [inline]
```

#### 7.58.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DetectReply.Equals (
            object other )  [inline]
```

#### 7.58.2.5 GetHashCode()

```
override int briar.BriarGrpc.DetectReply.GetHashCode ( )  [inline]
```

#### 7.58.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DetectReply.MergeFrom (
            DetectReply other )  [inline]
```

#### 7.58.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DetectReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.58.2.8 ToString()

```
override string briar.BriarGrpc.DetectReply.ToString ( )  [inline]
```

#### 7.58.2.9 WriteTo()

```
void briar.BriarGrpc.DetectReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.58.3 Member Data Documentation

#### 7.58.3.1 DetectionsFieldNumber

```
const int briar.BriarGrpc.DetectReply.DetectionsFieldNumber = 1  [static]
```

Field number for the "detections" field.

#### 7.58.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DetectReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.58.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.DetectReply.ErrorsFieldNumber = 5  [static]
```

Field number for the "errors" field.

#### 7.58.3.4 FrameIdFieldNumber

```
const int briar.BriarGrpc.DetectReply.FrameIdFieldNumber = 3  [static]
```

Field number for the "frame_id" field.

#### 7.58.3.5 ModalityFieldNumber

```
const int briar.BriarGrpc.DetectReply.ModalityFieldNumber = 4  [static]
```

Field number for the "modality" field.

#### 7.58.3.6 ProgressFieldNumber

```
const int briar.BriarGrpc.DetectReply.ProgressFieldNumber = 6  [static]
```

Field number for the "progress" field.

#### 7.58.3.7 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.DetectReply.ProgressOnlyReplyFieldNumber = 8  [static]
```

Field number for the "progress_only_reply" field.

#### 7.58.3.8 ReferenceMediaFieldNumber

```
const int briar.BriarGrpc.DetectReply.ReferenceMediaFieldNumber = 7  [static]
```

Field number for the "reference_media" field.

### 7.58.4 Property Documentation

#### 7.58.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DetectReply.Descriptor  [static], [get]
```

#### 7.58.4.2 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.DetectReply.Detections
[get]
```

TODO: Fill in responses here.

Tracks, Optional Attributes, Optional Templates

#### 7.58.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DetectReply.Durations  [get], [set]
```

REQUIRED: Log the time needed to complete the request on the server

#### 7.58.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.DetectReply.Errors  [get], [set]
```

#### 7.58.4.5 FrameId

```
long briar.BriarGrpc.DetectReply.FrameId  [get], [set]
```

REQUIRED: The id of the media frame associated with the detections.

#### 7.58.4.6 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.DetectReply.Modality  [get], [set]
```

OPTIONAL: the modality detected

#### 7.58.4.7 Parser

```
pb.MessageParser<DetectReply> briar.BriarGrpc.DetectReply.Parser  [static], [get]
```

#### 7.58.4.8 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.DetectReply.Progress  [get], [set]
```

REQUIRED: provides progress updates for progress bar display.

See example code for details

#### 7.58.4.9 ProgressOnlyReply

```
bool briar.BriarGrpc.DetectReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.58.4.10 ReferenceMedia

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.DetectReply.ReferenceMedia  [get], [set]
```

OPTIONAL: put reference media here to return it to the API.

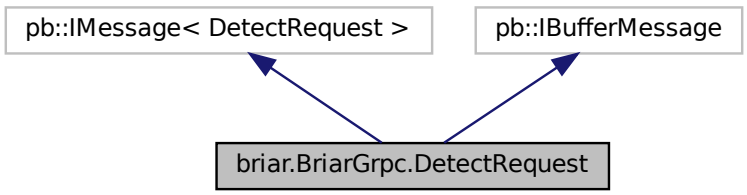
This will slow down your API reply and is not currently used by the CLI

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

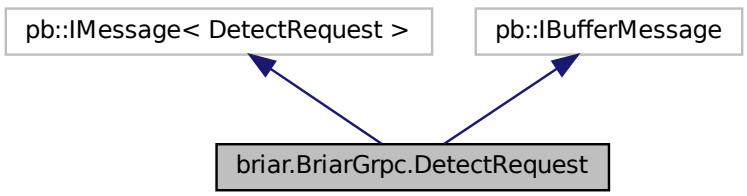
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.59 briar.BriarGrpc.DetectRequest Class Reference

Inheritance diagram for briar.BriarGrpc.DetectRequest:




Collaboration diagram for briar.BriarGrpc.DetectRequest:



## Public Member Functions

- int CalculateSize ()
- DetectRequest Clone ()
- DetectRequest ()
- DetectRequest (DetectRequest other)
- bool Equals (DetectRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (DetectRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectOptionsFieldNumber = 8

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 7

  *Field number for the "durations" field.*
- const int EntryNameFieldNumber = 6

  *Field number for the "entry_name" field.*
- const int EntryTypeFieldNumber = 5

  *Field number for the "entry_type" field.*
- const int FrameFieldNumber = 2

  *Field number for the "frame" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int MediaIdFieldNumber = 4

  *Field number for the "media_id" field.*
- const int SubjectIdFieldNumber = 3

  *Field number for the "subject_id" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *Hyperparameters to run the detection with*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- string EntryName `[get, set]`

  *Optional name of subject in the video*
- global::briar.BriarGrpc.EntryType EntryType `[get, set]`

  *string entry_id = 3; // Optional unique id of subject the video*
- int Frame `[get, set]`

  *What frame of the video this is*
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *The video media to detect from*
- string MediaId `[get, set]`

  *ID of media this detection will belong to*
- static pb::MessageParser< DetectRequest > Parser `[get]`
- string SubjectId `[get, set]`

  *ID of subject this detection will belong to*

## 7.59.1 Constructor & Destructor Documentation

### 7.59.1.1 DetectRequest() [1/2]

```
briar.BriarGrpc.DetectRequest.DetectRequest ( )  [inline]
```

### 7.59.1.2 DetectRequest() [2/2]

```
briar.BriarGrpc.DetectRequest.DetectRequest (
            DetectRequest other )  [inline]
```

## 7.59.2 Member Function Documentation

### 7.59.2.1 CalculateSize()

```
int briar.BriarGrpc.DetectRequest.CalculateSize ( )  [inline]
```

### 7.59.2.2 Clone()

```
DetectRequest briar.BriarGrpc.DetectRequest.Clone ( )  [inline]
```

### 7.59.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.DetectRequest.Equals (
            DetectRequest other )  [inline]
```

### 7.59.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.DetectRequest.Equals (
            object other )  [inline]
```

#### 7.59.2.5 GetHashCode()

```
override int briar.BriarGrpc.DetectRequest.GetHashCode ( )  [inline]
```

#### 7.59.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.DetectRequest.MergeFrom (
            DetectRequest other )  [inline]
```

#### 7.59.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.DetectRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.59.2.8 ToString()

```
override string briar.BriarGrpc.DetectRequest.ToString ( )  [inline]
```

#### 7.59.2.9 WriteTo()

```
void briar.BriarGrpc.DetectRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.59.3 Member Data Documentation

#### 7.59.3.1 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.DetectRequest.DetectOptionsFieldNumber = 8  [static]
```

Field number for the "detect_options" field.

#### 7.59.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.DetectRequest.DurationsFieldNumber = 7  [static]
```

Field number for the "durations" field.

#### 7.59.3.3 EntryNameFieldNumber

```
const int briar.BriarGrpc.DetectRequest.EntryNameFieldNumber = 6  [static]
```

Field number for the "entry_name" field.

#### 7.59.3.4 EntryTypeFieldNumber

```
const int briar.BriarGrpc.DetectRequest.EntryTypeFieldNumber = 5  [static]
```

Field number for the "entry_type" field.

#### 7.59.3.5 FrameFieldNumber

```
const int briar.BriarGrpc.DetectRequest.FrameFieldNumber = 2  [static]
```

Field number for the "frame" field.

#### 7.59.3.6 MediaFieldNumber

```
const int briar.BriarGrpc.DetectRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.59.3.7 MediaIdFieldNumber

```
const int briar.BriarGrpc.DetectRequest.MediaIdFieldNumber = 4  [static]
```

Field number for the "media_id" field.

#### 7.59.3.8 SubjectIdFieldNumber

```
const int briar.BriarGrpc.DetectRequest.SubjectIdFieldNumber = 3  [static]
```

Field number for the "subject_id" field.

### 7.59.4 Property Documentation

#### 7.59.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.DetectRequest.Descriptor  [static], [get]
```

#### 7.59.4.2 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.DetectRequest.DetectOptions  [get],
[set]
```

Hyperparameters to run the detection with

#### 7.59.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.DetectRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.59.4.4 EntryName

```
string briar.BriarGrpc.DetectRequest.EntryName  [get], [set]
```

Optional name of subject in the video

#### 7.59.4.5 EntryType

```
global.briar.BriarGrpc.EntryType briar.BriarGrpc.DetectRequest.EntryType  [get], [set]
```

string entry_id = 3; // Optional unique id of subject the video

#### 7.59.4.6 Frame

```
int briar.BriarGrpc.DetectRequest.Frame  [get], [set]
```

What frame of the video this is

#### 7.59.4.7 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.DetectRequest.Media  [get], [set]
```

The video media to detect from

#### 7.59.4.8 MediaId

```
string briar.BriarGrpc.DetectRequest.MediaId  [get], [set]
```

ID of media this detection will belong to

#### 7.59.4.9 Parser

```
pb.MessageParser<DetectRequest> briar.BriarGrpc.DetectRequest.Parser  [static], [get]
```

#### 7.59.4.10 SubjectId

```
string briar.BriarGrpc.DetectRequest.SubjectId  [get], [set]
```

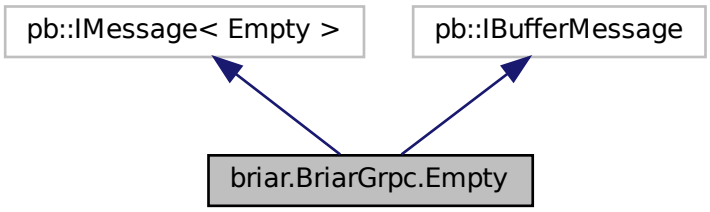
ID of subject this detection will belong to

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

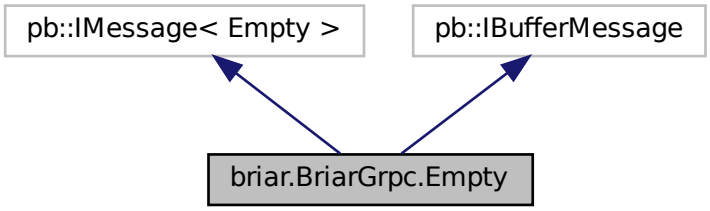
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.60 briar.BriarGrpc.Empty Class Reference

Inheritance diagram for briar.BriarGrpc.Empty:




Collaboration diagram for briar.BriarGrpc.Empty:




### Public Member Functions

- int CalculateSize ()
- Empty Clone ()
- Empty ()
- Empty (Empty other)
- bool Equals (Empty other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (Empty other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< Empty > Parser `[get]`

### 7.60.1 Constructor & Destructor Documentation

#### 7.60.1.1 Empty() [1/2]

```
briar.BriarGrpc.Empty.Empty ( )  [inline]
```

#### 7.60.1.2 Empty() [2/2]

```
briar.BriarGrpc.Empty.Empty (
            Empty other )  [inline]
```

### 7.60.2 Member Function Documentation

#### 7.60.2.1 CalculateSize()

```
int briar.BriarGrpc.Empty.CalculateSize ( )  [inline]
```

#### 7.60.2.2 Clone()

```
Empty briar.BriarGrpc.Empty.Clone ( )  [inline]
```

#### 7.60.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.Empty.Equals (
            Empty other )  [inline]
```

#### 7.60.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.Empty.Equals (
            object other )  [inline]
```

#### 7.60.2.5 GetHashCode()

```
override int briar.BriarGrpc.Empty.GetHashCode ( )  [inline]
```

#### 7.60.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Empty.MergeFrom (
            Empty other )  [inline]
```

#### 7.60.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Empty.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.60.2.8 ToString()

```
override string briar.BriarGrpc.Empty.ToString ( )  [inline]
```

#### 7.60.2.9 WriteTo()

```
void briar.BriarGrpc.Empty.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.60.3 Property Documentation

#### 7.60.3.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Empty.Descriptor  [static], [get]
```

#### 7.60.3.2 Parser

```
pb.MessageParser<Empty> briar.BriarGrpc.Empty.Parser  [static], [get]
```

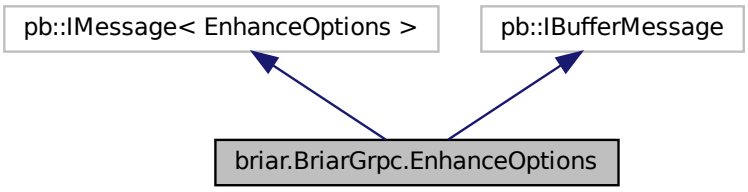
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

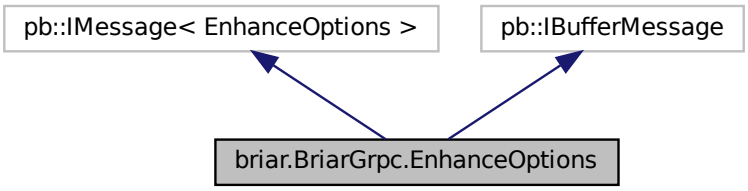
## 7.61 briar.BriarGrpc.EnhanceOptions Class Reference

Configuration for the detection algorithm

Inheritance diagram for briar.BriarGrpc.EnhanceOptions:




Collaboration diagram for briar.BriarGrpc.EnhanceOptions:




### Public Member Functions

- int CalculateSize ()
- EnhanceOptions Clone ()
- EnhanceOptions ()
- EnhanceOptions (EnhanceOptions other)
- bool Equals (EnhanceOptions other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnhanceOptions other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmIdFieldNumber = 1

  *Field number for the "algorithm_id" field.*
- const int AttributesFieldNumber = 6

  *Field number for the "attributes" field.*
- const int CroppedFieldNumber = 5

  *Field number for the "cropped" field.*
- const int EnhanceBatchFieldNumber = 3

  *Field number for the "enhance_batch" field.*
- const int ModalityFieldNumber = 4

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 2

  *Field number for the "return_media" field.*

## Properties

- global::briar.BriarGrpc.StringOption AlgorithmId `[get, set]`

  *uid corresponding to which algorithm to use*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing algorithm specific or custom options*
- bool Cropped `[get, set]`
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.IntOption EnhanceBatch `[get, set]`

  *batch size for enhancement processes*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *Whether detection is for face or whole body*
- static pb::MessageParser< EnhanceOptions > Parser `[get]`
- global::briar.BriarGrpc.BoolOption ReturnMedia `[get, set]`

  *Should we return media (e.i.*

### 7.61.1 Detailed Description

Configuration for the detection algorithm

### 7.61.2 Constructor & Destructor Documentation

#### 7.61.2.1 EnhanceOptions() `[1/2]`

```
briar.BriarGrpc.EnhanceOptions.EnhanceOptions ( )  [inline]
```

#### 7.61.2.2 EnhanceOptions() [2/2]

```
briar.BriarGrpc.EnhanceOptions.EnhanceOptions (
            EnhanceOptions other )  [inline]
```

### 7.61.3 Member Function Documentation

#### 7.61.3.1 CalculateSize()

```
int briar.BriarGrpc.EnhanceOptions.CalculateSize ( )  [inline]
```

#### 7.61.3.2 Clone()

```
EnhanceOptions briar.BriarGrpc.EnhanceOptions.Clone ( )  [inline]
```

#### 7.61.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnhanceOptions.Equals (
            EnhanceOptions other )  [inline]
```

#### 7.61.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnhanceOptions.Equals (
            object other )  [inline]
```

#### 7.61.3.5 GetHashCode()

```
override int briar.BriarGrpc.EnhanceOptions.GetHashCode ( )  [inline]
```

#### 7.61.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnhanceOptions.MergeFrom (
            EnhanceOptions other )  [inline]
```

#### 7.61.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnhanceOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.61.3.8 ToString()

```
override string briar.BriarGrpc.EnhanceOptions.ToString ( )  [inline]
```

#### 7.61.3.9 WriteTo()

```
void briar.BriarGrpc.EnhanceOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.61.4 Member Data Documentation

#### 7.61.4.1 AlgorithmIdFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.AlgorithmIdFieldNumber = 1  [static]
```

Field number for the "algorithm_id" field.

#### 7.61.4.2 AttributesFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.AttributesFieldNumber = 6  [static]
```

Field number for the "attributes" field.

#### 7.61.4.3 CroppedFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.CroppedFieldNumber = 5  [static]
```

Field number for the "cropped" field.

#### 7.61.4.4 EnhanceBatchFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.EnhanceBatchFieldNumber = 3  [static]
```

Field number for the "enhance_batch" field.

#### 7.61.4.5 ModalityFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.ModalityFieldNumber = 4  [static]
```

Field number for the "modality" field.

#### 7.61.4.6 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.EnhanceOptions.ReturnMediaFieldNumber = 2  [static]
```

Field number for the "return_media" field.

### 7.61.5 Property Documentation

#### 7.61.5.1 AlgorithmId

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.EnhanceOptions.AlgorithmId  [get], [set]
```

uid corresponding to which algorithm to use

#### 7.61.5.2 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.EnhanceOptions.Attributes
[get]
```

Used for passing algorithm specific or custom options

#### 7.61.5.3 Cropped

```
bool briar.BriarGrpc.EnhanceOptions.Cropped  [get], [set]
```

#### 7.61.5.4 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnhanceOptions.Descriptor  [static], [get]
```

#### 7.61.5.5 EnhanceBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.EnhanceOptions.EnhanceBatch  [get], [set]
```

batch size for enhancement processes

#### 7.61.5.6 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.EnhanceOptions.Modality  [get], [set]
```

Whether detection is for face or whole body

#### 7.61.5.7 Parser

```
pb.MessageParser<EnhanceOptions> briar.BriarGrpc.EnhanceOptions.Parser  [static], [get]
```

#### 7.61.5.8 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnhanceOptions.ReturnMedia  [get], [set]
```

Should we return media (e.i.

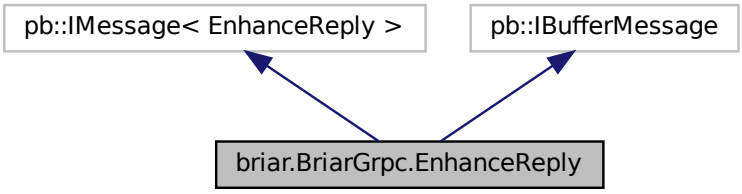
cropped images) related to the detections back to the client?

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

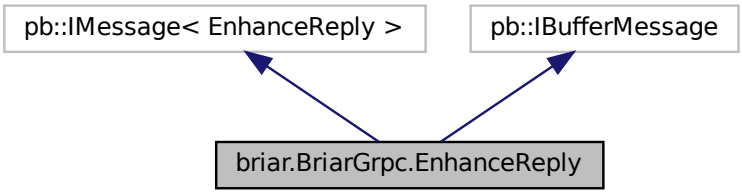
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.62 briar.BriarGrpc.EnhanceReply Class Reference

Inheritance diagram for briar.BriarGrpc.EnhanceReply:




Collaboration diagram for briar.BriarGrpc.EnhanceReply:




### Public Member Functions

- int CalculateSize ()
- EnhanceReply Clone ()
- EnhanceReply ()
- EnhanceReply (EnhanceReply other)
- bool Equals (EnhanceReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnhanceReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 4

  *Field number for the "errors" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int ProgressFieldNumber = 3

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 5

  *Field number for the "progress_only_reply" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`

  *Indicate any errors or warnings.*
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *REQUIRED: The enhanced result.*
- static pb::MessageParser< EnhanceReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*

### 7.62.1 Constructor & Destructor Documentation

#### 7.62.1.1 EnhanceReply() [1/2]

```
briar.BriarGrpc.EnhanceReply.EnhanceReply ( )  [inline]
```

#### 7.62.1.2 EnhanceReply() [2/2]

```
briar.BriarGrpc.EnhanceReply.EnhanceReply (
            EnhanceReply other )  [inline]
```

### 7.62.2 Member Function Documentation

#### 7.62.2.1 CalculateSize()

```
int briar.BriarGrpc.EnhanceReply.CalculateSize ( )  [inline]
```

#### 7.62.2.2 Clone()

```
EnhanceReply briar.BriarGrpc.EnhanceReply.Clone ( )  [inline]
```

#### 7.62.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnhanceReply.Equals (
            EnhanceReply other )  [inline]
```

#### 7.62.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnhanceReply.Equals (
            object other )  [inline]
```

#### 7.62.2.5 GetHashCode()

```
override int briar.BriarGrpc.EnhanceReply.GetHashCode ( )  [inline]
```

#### 7.62.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnhanceReply.MergeFrom (
            EnhanceReply other )  [inline]
```

#### 7.62.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnhanceReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.62.2.8 ToString()

```
override string briar.BriarGrpc.EnhanceReply.ToString ( )  [inline]
```

#### 7.62.2.9 WriteTo()

```
void briar.BriarGrpc.EnhanceReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.62.3 Member Data Documentation

#### 7.62.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.EnhanceReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.62.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.EnhanceReply.ErrorsFieldNumber = 4  [static]
```

Field number for the "errors" field.

#### 7.62.3.3 MediaFieldNumber

```
const int briar.BriarGrpc.EnhanceReply.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.62.3.4 ProgressFieldNumber

```
const int briar.BriarGrpc.EnhanceReply.ProgressFieldNumber = 3  [static]
```

Field number for the "progress" field.

#### 7.62.3.5 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.EnhanceReply.ProgressOnlyReplyFieldNumber = 5  [static]
```

Field number for the "progress_only_reply" field.

### 7.62.4 Property Documentation

#### 7.62.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnhanceReply.Descriptor  [static], [get]
```

#### 7.62.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.EnhanceReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.62.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.EnhanceReply.Errors  [get], [set]
```

Indicate any errors or warnings.

#### 7.62.4.4 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.EnhanceReply.Media  [get], [set]
```

REQUIRED: The enhanced result.

#### 7.62.4.5 Parser

```
pb.MessageParser<EnhanceReply> briar.BriarGrpc.EnhanceReply.Parser  [static], [get]
```

#### 7.62.4.6 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.EnhanceReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.62.4.7 ProgressOnlyReply

```
bool briar.BriarGrpc.EnhanceReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

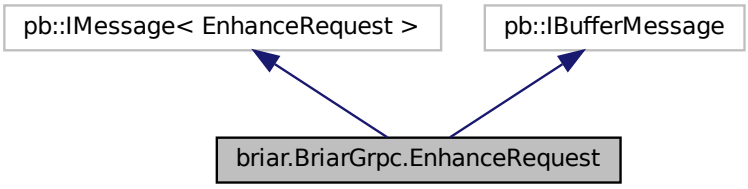
If progress_only_reply is set to True, nothing else in the reply needs to be populated

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

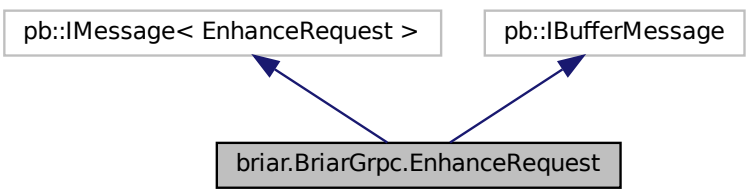
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.63 briar.BriarGrpc.EnhanceRequest Class Reference

Inheritance diagram for briar.BriarGrpc.EnhanceRequest:




Collaboration diagram for briar.BriarGrpc.EnhanceRequest:



## Public Member Functions

- int CalculateSize ()
- EnhanceRequest Clone ()
- EnhanceRequest ()
- EnhanceRequest (EnhanceRequest other)
- bool Equals (EnhanceRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnhanceRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 5

  *Field number for the "durations" field.*
- const int EnhanceOptionsFieldNumber = 6

  *Field number for the "enhance_options" field.*
- const int FrameIdFieldNumber = 4

  *Field number for the "frame_id" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int MetadataFieldNumber = 2

  *Field number for the "metadata" field.*
- const int OptionsFieldNumber = 3

  *Field number for the "options" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.EnhanceOptions EnhanceOptions `[get, set]`

  *enhance options provided by the API*
- long FrameId `[get, set]`

  *The id of the media frame associated with the detections.*
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *The image or video to enhance.*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Metadata `[get]`

  *Metadata on the video to select enhancement parameters.*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Options `[get]`

  *Algorithm specific options.*
- static pb::MessageParser< EnhanceRequest > Parser `[get]`

### 7.63.1 Constructor & Destructor Documentation

#### 7.63.1.1 EnhanceRequest() [1/2]

```
briar.BriarGrpc.EnhanceRequest.EnhanceRequest ( )  [inline]
```

#### 7.63.1.2 EnhanceRequest() [2/2]

```
briar.BriarGrpc.EnhanceRequest.EnhanceRequest (
            EnhanceRequest other )  [inline]
```

### 7.63.2 Member Function Documentation

#### 7.63.2.1 CalculateSize()

```
int briar.BriarGrpc.EnhanceRequest.CalculateSize ( )  [inline]
```

#### 7.63.2.2 Clone()

```
EnhanceRequest briar.BriarGrpc.EnhanceRequest.Clone ( )  [inline]
```

#### 7.63.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnhanceRequest.Equals (
            EnhanceRequest other )  [inline]
```

#### 7.63.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnhanceRequest.Equals (
            object other )  [inline]
```

#### 7.63.2.5 GetHashCode()

```
override int briar.BriarGrpc.EnhanceRequest.GetHashCode ( )  [inline]
```

#### 7.63.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnhanceRequest.MergeFrom (
            EnhanceRequest other )  [inline]
```

#### 7.63.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnhanceRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.63.2.8 ToString()

```
override string briar.BriarGrpc.EnhanceRequest.ToString ( )  [inline]
```

#### 7.63.2.9 WriteTo()

```
void briar.BriarGrpc.EnhanceRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.63.3 Member Data Documentation

#### 7.63.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.DurationsFieldNumber = 5  [static]
```

Field number for the "durations" field.

#### 7.63.3.2 EnhanceOptionsFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.EnhanceOptionsFieldNumber = 6  [static]
```

Field number for the "enhance_options" field.

#### 7.63.3.3 FrameIdFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.FrameIdFieldNumber = 4  [static]
```

Field number for the "frame_id" field.

#### 7.63.3.4 MediaFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.63.3.5 MetadataFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.MetadataFieldNumber = 2  [static]
```

Field number for the "metadata" field.

#### 7.63.3.6 OptionsFieldNumber

```
const int briar.BriarGrpc.EnhanceRequest.OptionsFieldNumber = 3  [static]
```

Field number for the "options" field.

### 7.63.4 Property Documentation

#### 7.63.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnhanceRequest.Descriptor  [static], [get]
```

#### 7.63.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.EnhanceRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.63.4.3 EnhanceOptions

```
global.briar.BriarGrpc.EnhanceOptions briar.BriarGrpc.EnhanceRequest.EnhanceOptions  [get],
[set]
```

enhance options provided by the API

#### 7.63.4.4 FrameId

```
long briar.BriarGrpc.EnhanceRequest.FrameId  [get], [set]
```

The id of the media frame associated with the detections.

#### 7.63.4.5 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.EnhanceRequest.Media  [get], [set]
```

The image or video to enhance.

#### 7.63.4.6 Metadata

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.EnhanceRequest.Metadata
[get]
```

Metadata on the video to select enhancement parameters.

#### 7.63.4.7 Options

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.EnhanceRequest.Options
[get]
```

Algorithm specific options.

#### 7.63.4.8 Parser

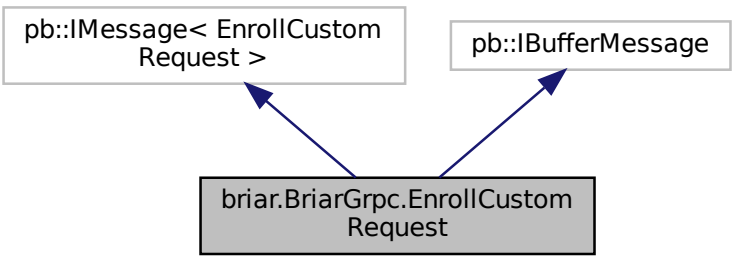
```
pb.MessageParser<EnhanceRequest> briar.BriarGrpc.EnhanceRequest.Parser  [static], [get]
```

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

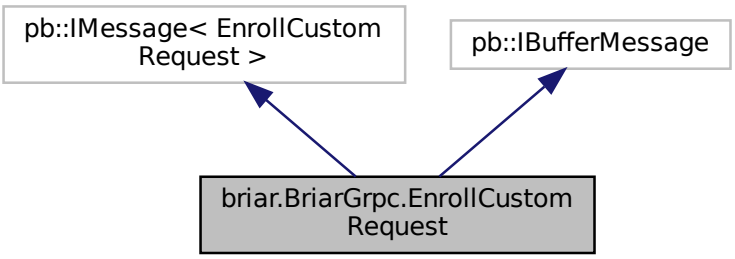
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.64 briar.BriarGrpc.EnrollCustomRequest Class Reference

Inheritance diagram for briar.BriarGrpc.EnrollCustomRequest:




Collaboration diagram for briar.BriarGrpc.EnrollCustomRequest:




### Public Member Functions

- int CalculateSize ()
- EnrollCustomRequest Clone ()
- EnrollCustomRequest ()
- EnrollCustomRequest (EnrollCustomRequest other)
- bool Equals (EnrollCustomRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnrollCustomRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 3

  *Field number for the "database" field.*
- const int DetectOptionsFieldNumber = 5

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int EnrollOptionsFieldNumber = 7

  *Field number for the "enroll_options" field.*
- const int ExtractOptionsFieldNumber = 6

  *Field number for the "extract_options" field.*
- const int SigsetEncodedFieldNumber = 1

  *Field number for the "sigset_encoded" field.*
- const int SigsetNameFieldNumber = 2

  *Field number for the "sigset_name" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *The database to enroll into*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *Hyperparameters to run the detection with*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.EnrollOptions EnrollOptions `[get, set]`

  *How this is to be enrolled in the database*
- global::briar.BriarGrpc.ExtractOptions ExtractOptions `[get, set]`

  *Hyperparameters to run the extraction with*
- static pb::MessageParser< EnrollCustomRequest > Parser `[get]`
- pb::ByteString SigsetEncoded `[get, set]`

  *The signature set in an encoded json format created from a Pandas dataframe.*
- string SigsetName `[get, set]`

  *The name of the sigset*

### 7.64.1 Constructor & Destructor Documentation

#### 7.64.1.1 EnrollCustomRequest() [1/2]

```
briar.BriarGrpc.EnrollCustomRequest.EnrollCustomRequest ( )  [inline]
```

#### 7.64.1.2 EnrollCustomRequest() [2/2]

```
briar.BriarGrpc.EnrollCustomRequest.EnrollCustomRequest (
            EnrollCustomRequest other )  [inline]
```

### 7.64.2 Member Function Documentation

#### 7.64.2.1 CalculateSize()

```
int briar.BriarGrpc.EnrollCustomRequest.CalculateSize ( )  [inline]
```

#### 7.64.2.2 Clone()

```
EnrollCustomRequest briar.BriarGrpc.EnrollCustomRequest.Clone ( )  [inline]
```

#### 7.64.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnrollCustomRequest.Equals (
            EnrollCustomRequest other )  [inline]
```

#### 7.64.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnrollCustomRequest.Equals (
            object other )  [inline]
```

#### 7.64.2.5 GetHashCode()

```
override int briar.BriarGrpc.EnrollCustomRequest.GetHashCode ( )  [inline]
```

#### 7.64.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnrollCustomRequest.MergeFrom (
            EnrollCustomRequest other )  [inline]
```

#### 7.64.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnrollCustomRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.64.2.8 ToString()

```
override string briar.BriarGrpc.EnrollCustomRequest.ToString ( )  [inline]
```

#### 7.64.2.9 WriteTo()

```
void briar.BriarGrpc.EnrollCustomRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.64.3 Member Data Documentation

#### 7.64.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.DatabaseFieldNumber = 3  [static]
```

Field number for the "database" field.

#### 7.64.3.2 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.DetectOptionsFieldNumber = 5  [static]
```

Field number for the "detect_options" field.

#### 7.64.3.3 DurationsFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.64.3.4 EnrollOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.EnrollOptionsFieldNumber = 7  [static]
```

Field number for the "enroll_options" field.

#### 7.64.3.5 ExtractOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.ExtractOptionsFieldNumber = 6  [static]
```

Field number for the "extract_options" field.

#### 7.64.3.6 SigsetEncodedFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.SigsetEncodedFieldNumber = 1  [static]
```

Field number for the "sigset_encoded" field.

#### 7.64.3.7 SigsetNameFieldNumber

```
const int briar.BriarGrpc.EnrollCustomRequest.SigsetNameFieldNumber = 2  [static]
```

Field number for the "sigset_name" field.

### 7.64.4 Property Documentation

#### 7.64.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.EnrollCustomRequest.Database  [get], [set]
```

The database to enroll into

#### 7.64.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnrollCustomRequest.Descriptor  [static], [get]
```

#### 7.64.4.3 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.EnrollCustomRequest.DetectOptions
[get], [set]
```

Hyperparameters to run the detection with

#### 7.64.4.4 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.EnrollCustomRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.64.4.5 EnrollOptions

```
global.briar.BriarGrpc.EnrollOptions briar.BriarGrpc.EnrollCustomRequest.EnrollOptions  [get],
[set]
```

How this is to be enrolled in the database

#### 7.64.4.6 ExtractOptions

```
global.briar.BriarGrpc.ExtractOptions briar.BriarGrpc.EnrollCustomRequest.ExtractOptions  [get],
[set]
```

Hyperparameters to run the extraction with

#### 7.64.4.7 Parser

```
pb.MessageParser<EnrollCustomRequest> briar.BriarGrpc.EnrollCustomRequest.Parser  [static],
[get]
```

#### 7.64.4.8 SigsetEncoded

```
pb.ByteString briar.BriarGrpc.EnrollCustomRequest.SigsetEncoded  [get], [set]
```

The signature set in an encoded json format created from a Pandas dataframe.

#### 7.64.4.9 SigsetName

```
string briar.BriarGrpc.EnrollCustomRequest.SigsetName  [get], [set]
```

The name of the sigset

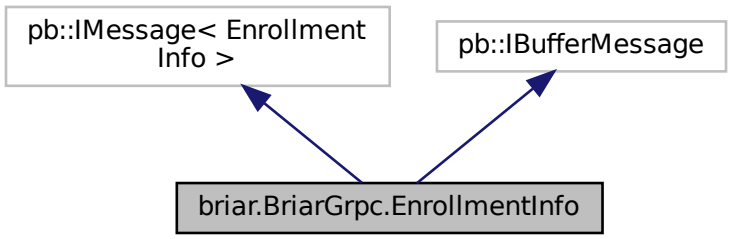
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

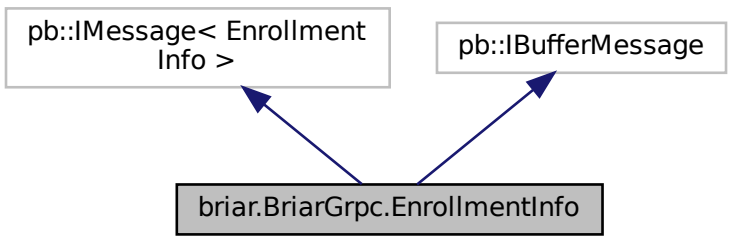
## 7.65 briar.BriarGrpc.EnrollmentInfo Class Reference

Information about the entity being enrolled

Inheritance diagram for briar.BriarGrpc.EnrollmentInfo:




Collaboration diagram for briar.BriarGrpc.EnrollmentInfo:



## Public Member Functions

- int CalculateSize ()
- EnrollmentInfo Clone ()
- EnrollmentInfo ()
- EnrollmentInfo (EnrollmentInfo other)
- bool Equals (EnrollmentInfo other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnrollmentInfo other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 7

  *Field number for the "attributes" field.*
- const int DatabaseIdFieldNumber = 1

  *Field number for the "database_id" field.*
- const int MediaIdFieldNumber = 2

  *Field number for the "media_id" field.*
- const int NameFieldNumber = 5

  *Field number for the "name" field.*
- const int SourceFieldNumber = 6

  *Field number for the "source" field.*
- const int SubjectIdFieldNumber = 3

  *Field number for the "subject_id" field.*
- const int TypeFieldNumber = 4

  *Field number for the "type" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing additional metadata*
- string DatabaseId `[get, set]`

  *uuid for this database*
- static pbr::MessageDescriptor Descriptor `[get]`
- string MediaId `[get, set]`

  *string entry_id = 2; // uuid for this entry (this is unique, typically subject_id or media_id) OPTIONAL unique id of the given input media.*
- string Name `[get, set]`

  *name of subject, if known*
- static pb::MessageParser< EnrollmentInfo > Parser `[get]`
- string Source `[get, set]`

  *Describes the the media source*
- string SubjectId `[get, set]`

  *OPTIONAL unique id of the given input subject within a media.*
- global::briar.BriarGrpc.EntryType Type `[get, set]`

  *subject_id or media_id*

### 7.65.1 Detailed Description

Information about the entity being enrolled

### 7.65.2 Constructor & Destructor Documentation

#### 7.65.2.1 EnrollmentInfo() [1/2]

```
briar.BriarGrpc.EnrollmentInfo.EnrollmentInfo ( )  [inline]
```

#### 7.65.2.2 EnrollmentInfo() [2/2]

```
briar.BriarGrpc.EnrollmentInfo.EnrollmentInfo (
            EnrollmentInfo other )  [inline]
```

### 7.65.3 Member Function Documentation

#### 7.65.3.1 CalculateSize()

```
int briar.BriarGrpc.EnrollmentInfo.CalculateSize ( )  [inline]
```

#### 7.65.3.2 Clone()

```
EnrollmentInfo briar.BriarGrpc.EnrollmentInfo.Clone ( )  [inline]
```

#### 7.65.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnrollmentInfo.Equals (
            EnrollmentInfo other )  [inline]
```

#### 7.65.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnrollmentInfo.Equals (
            object other )  [inline]
```

#### 7.65.3.5 GetHashCode()

```
override int briar.BriarGrpc.EnrollmentInfo.GetHashCode ( )  [inline]
```

#### 7.65.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnrollmentInfo.MergeFrom (
            EnrollmentInfo other )  [inline]
```

#### 7.65.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnrollmentInfo.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.65.3.8 ToString()

```
override string briar.BriarGrpc.EnrollmentInfo.ToString ( )  [inline]
```

#### 7.65.3.9 WriteTo()

```
void briar.BriarGrpc.EnrollmentInfo.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.65.4 Member Data Documentation

#### 7.65.4.1 AttributesFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.AttributesFieldNumber = 7  [static]
```

Field number for the "attributes" field.

#### 7.65.4.2 DatabaseIdFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.DatabaseIdFieldNumber = 1  [static]
```

Field number for the "database_id" field.

#### 7.65.4.3 MediaIdFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.MediaIdFieldNumber = 2  [static]
```

Field number for the "media_id" field.

#### 7.65.4.4 NameFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.NameFieldNumber = 5  [static]
```

Field number for the "name" field.

#### 7.65.4.5 SourceFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.SourceFieldNumber = 6  [static]
```

Field number for the "source" field.

#### 7.65.4.6 SubjectIdFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.SubjectIdFieldNumber = 3  [static]
```

Field number for the "subject_id" field.

#### 7.65.4.7 TypeFieldNumber

```
const int briar.BriarGrpc.EnrollmentInfo.TypeFieldNumber = 4  [static]
```

Field number for the "type" field.

### 7.65.5 Property Documentation

#### 7.65.5.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.EnrollmentInfo.Attributes
[get]
```

Used for passing additional metadata

#### 7.65.5.2 DatabaseId

```
string briar.BriarGrpc.EnrollmentInfo.DatabaseId  [get], [set]
```

uuid for this database

#### 7.65.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnrollmentInfo.Descriptor  [static], [get]
```

#### 7.65.5.4 MediaId

```
string briar.BriarGrpc.EnrollmentInfo.MediaId  [get], [set]
```

string entry_id = 2; // uuid for this entry (this is unique, typically subject_id or media_id) OPTIONAL unique id of the given input media.

If not provide a unique id should be assigned by the service: UNKNOWN_################.

#### 7.65.5.5 Name

```
string briar.BriarGrpc.EnrollmentInfo.Name  [get], [set]
```

name of subject, if known

#### 7.65.5.6 Parser

```
pb.MessageParser<EnrollmentInfo> briar.BriarGrpc.EnrollmentInfo.Parser  [static], [get]
```

#### 7.65.5.7 Source

```
string briar.BriarGrpc.EnrollmentInfo.Source  [get], [set]
```

Describes the the media source

#### 7.65.5.8 SubjectId

```
string briar.BriarGrpc.EnrollmentInfo.SubjectId  [get], [set]
```

OPTIONAL unique id of the given input subject within a media.

If not provide a unique id should be assigned by the service: UNKNOWN_################.

#### 7.65.5.9 Type

```
global.briar.BriarGrpc.EntryType briar.BriarGrpc.EnrollmentInfo.Type  [get], [set]
```

subject_id or media_id

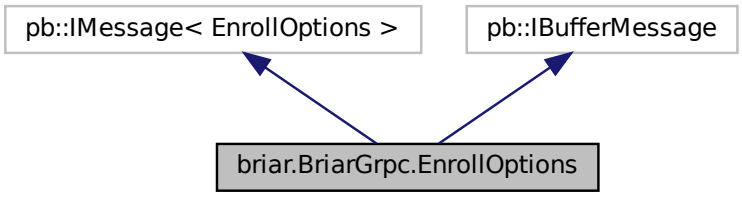
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

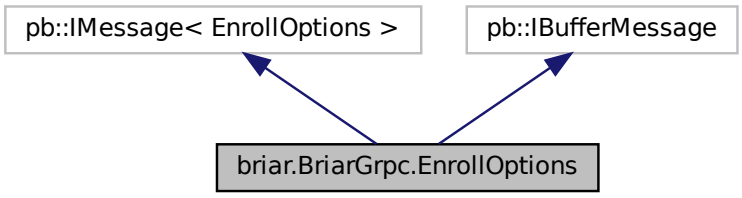
## 7.66 briar.BriarGrpc.EnrollOptions Class Reference

Defines actions to take when enrolling into a gallery

Inheritance diagram for briar.BriarGrpc.EnrollOptions:



Collaboration diagram for briar.BriarGrpc.EnrollOptions:




## Public Member Functions

- int CalculateSize ()
- EnrollOptions Clone ()
- EnrollOptions ()
- EnrollOptions (EnrollOptions other)
- bool Equals (EnrollOptions other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnrollOptions other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 12

  *Field number for the "attributes" field.*
- const int DebugFieldNumber = 2

  *Field number for the "debug" field.*
- const int EnrollBatchFieldNumber = 7

  *Field number for the "enroll_batch" field.*
- const int EnrollFlagFieldNumber = 8

  *Field number for the "enroll_flag" field.*
- const int EntryTypeFieldNumber = 3

  *Field number for the "entry_type" field.*
- const int MediaIdFieldNumber = 5

  *Field number for the "media_id" field.*
- const int ModalityFieldNumber = 9

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 10

  *Field number for the "return_media" field.*
- const int SaveMetadataFieldNumber = 1

  *Field number for the "save_metadata" field.*
- const int StoreMediaFieldNumber = 11

  *Field number for the "store_media" field.*

- const int SubjectIdIntegerFieldNumber = 16

  *Field number for the "subject_id_integer" field.*
- const int SubjectIdsFieldNumber = 4

  *Field number for the "subject_ids" field.*
- const int UseSubjectIntegerIdFieldNumber = 15

  *Field number for the "use_subject_integer_id" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing algorithm specific options*
- global::briar.BriarGrpc.BoolOption Debug `[get, set]`

  *Save or print more info on the server side*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.IntOption EnrollBatch `[get, set]`

  *string entry_id = 4;*
- global::briar.BriarGrpc.EnrollFlags EnrollFlag `[get, set]`
- global::briar.BriarGrpc.EntryType EntryType `[get, set]`

  *Type of entry, either 'subject' or 'media'*
- string MediaId `[get, set]`

  *ID of media this record belongs to (should be unique per record)*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *Modality of enrollment (i.e.*
- static pb::MessageParser< EnrollOptions > Parser `[get]`
- global::briar.BriarGrpc.BoolOption ReturnMedia `[get, set]`

  *Should we return media (e.i.*
- global::briar.BriarGrpc.BoolOption SaveMetadata `[get, set]`

  *log the image on the server - Useful for debugging and record keeping*
- global::briar.BriarGrpc.BoolOption StoreMedia `[get, set]`

  *Should the database store the media along with templates for searching*
- global::briar.BriarGrpc.IntOption SubjectIdInteger `[get, set]`

  *DEPRICATED: FOR LEGACY SYSTEMS ONLY.*
- pbc::RepeatedField< string > SubjectIds `[get]`

  *ID or list of IDs of subject(s) this record belongs to*
- global::briar.BriarGrpc.BoolOption UseSubjectIntegerId `[get, set]`

  *DEPRICATED: FOR LEGACY SYSTEMS ONLY.*

### 7.66.1 Detailed Description

Defines actions to take when enrolling into a gallery

### 7.66.2 Constructor & Destructor Documentation

#### 7.66.2.1 EnrollOptions() [1/2]

```
briar.BriarGrpc.EnrollOptions.EnrollOptions ( )  [inline]
```

#### 7.66.2.2 EnrollOptions() [2/2]

```
briar.BriarGrpc.EnrollOptions.EnrollOptions (
            EnrollOptions other )  [inline]
```

### 7.66.3 Member Function Documentation

#### 7.66.3.1 CalculateSize()

```
int briar.BriarGrpc.EnrollOptions.CalculateSize ( )  [inline]
```

#### 7.66.3.2 Clone()

```
EnrollOptions briar.BriarGrpc.EnrollOptions.Clone ( )  [inline]
```

#### 7.66.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnrollOptions.Equals (
            EnrollOptions other )  [inline]
```

#### 7.66.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnrollOptions.Equals (
            object other )  [inline]
```

#### 7.66.3.5 GetHashCode()

```
override int briar.BriarGrpc.EnrollOptions.GetHashCode ( )  [inline]
```

#### 7.66.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnrollOptions.MergeFrom (
            EnrollOptions other )  [inline]
```

#### 7.66.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnrollOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.66.3.8 ToString()

```
override string briar.BriarGrpc.EnrollOptions.ToString ( )  [inline]
```

#### 7.66.3.9 WriteTo()

```
void briar.BriarGrpc.EnrollOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.66.4 Member Data Documentation

#### 7.66.4.1 AttributesFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.AttributesFieldNumber = 12  [static]
```

Field number for the "attributes" field.

#### 7.66.4.2 DebugFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.DebugFieldNumber = 2  [static]
```

Field number for the "debug" field.

#### 7.66.4.3 EnrollBatchFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.EnrollBatchFieldNumber = 7  [static]
```

Field number for the "enroll_batch" field.

#### 7.66.4.4 EnrollFlagFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.EnrollFlagFieldNumber = 8  [static]
```

Field number for the "enroll_flag" field.

#### 7.66.4.5 EntryTypeFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.EntryTypeFieldNumber = 3  [static]
```

Field number for the "entry_type" field.

#### 7.66.4.6 MediaIdFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.MediaIdFieldNumber = 5  [static]
```

Field number for the "media_id" field.

#### 7.66.4.7 ModalityFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.ModalityFieldNumber = 9  [static]
```

Field number for the "modality" field.

#### 7.66.4.8 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.ReturnMediaFieldNumber = 10  [static]
```

Field number for the "return_media" field.

#### 7.66.4.9 SaveMetadataFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.SaveMetadataFieldNumber = 1  [static]
```

Field number for the "save_metadata" field.

#### 7.66.4.10 StoreMediaFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.StoreMediaFieldNumber = 11  [static]
```

Field number for the "store_media" field.

#### 7.66.4.11 SubjectIdIntegerFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.SubjectIdIntegerFieldNumber = 16  [static]
```

Field number for the "subject_id_integer" field.

#### 7.66.4.12 SubjectIdsFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.SubjectIdsFieldNumber = 4  [static]
```

Field number for the "subject_ids" field.

#### 7.66.4.13 UseSubjectIntegerIdFieldNumber

```
const int briar.BriarGrpc.EnrollOptions.UseSubjectIntegerIdFieldNumber = 15  [static]
```

Field number for the "use_subject_integer_id" field.

### 7.66.5 Property Documentation

#### 7.66.5.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.EnrollOptions.Attributes
[get]
```

Used for passing algorithm specific options

#### 7.66.5.2 Debug

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnrollOptions.Debug  [get], [set]
```

Save or print more info on the server side

#### 7.66.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnrollOptions.Descriptor  [static], [get]
```

#### 7.66.5.4 EnrollBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.EnrollOptions.EnrollBatch  [get], [set]
```

string entry_id = 4;

#### 7.66.5.5 EnrollFlag

```
global.briar.BriarGrpc.EnrollFlags briar.BriarGrpc.EnrollOptions.EnrollFlag  [get], [set]
```

#### 7.66.5.6 EntryType

```
global.briar.BriarGrpc.EntryType briar.BriarGrpc.EnrollOptions.EntryType  [get], [set]
```

Type of entry, either 'subject' or 'media'

#### 7.66.5.7 MediaId

```
string briar.BriarGrpc.EnrollOptions.MediaId  [get], [set]
```

ID of media this record belongs to (should be unique per record)

#### 7.66.5.8 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.EnrollOptions.Modality  [get], [set]
```

Modality of enrollment (i.e.

face or whole body)

#### 7.66.5.9 Parser

```
pb.MessageParser<EnrollOptions> briar.BriarGrpc.EnrollOptions.Parser  [static], [get]
```

#### 7.66.5.10 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnrollOptions.ReturnMedia  [get], [set]
```

Should we return media (e.i.

cropped images) related to the detections back to the client?

#### 7.66.5.11 SaveMetadata

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnrollOptions.SaveMetadata  [get], [set]
```

log the image on the server - Useful for debugging and record keeping

#### 7.66.5.12 StoreMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnrollOptions.StoreMedia  [get], [set]
```

Should the database store the media along with templates for searching

#### 7.66.5.13 SubjectIdInteger

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.EnrollOptions.SubjectIdInteger  [get], [set]
```

DEPRICATED: FOR LEGACY SYSTEMS ONLY.

Provides an integer-version of a subject ID

#### 7.66.5.14 SubjectIds

```
pbc.RepeatedField<string> briar.BriarGrpc.EnrollOptions.SubjectIds  [get]
```

ID or list of IDs of subject(s) this record belongs to

#### 7.66.5.15 UseSubjectIntegerId

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.EnrollOptions.UseSubjectIntegerId  [get],
[set]
```

DEPRICATED: FOR LEGACY SYSTEMS ONLY.

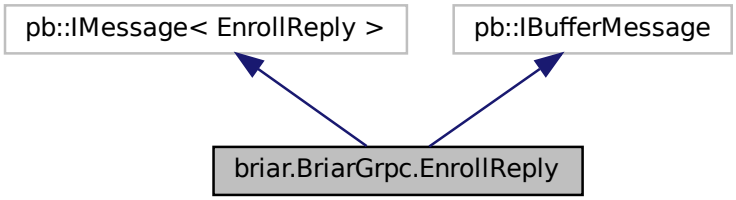
Provides an integer-version of a subject ID

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

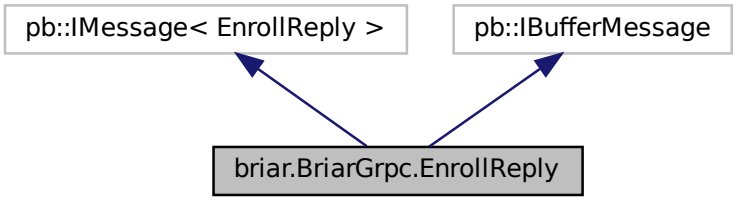
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.67 briar.BriarGrpc.EnrollReply Class Reference

Inheritance diagram for briar.BriarGrpc.EnrollReply:




Collaboration diagram for briar.BriarGrpc.EnrollReply:



## Public Member Functions

- int CalculateSize ()
- EnrollReply Clone ()
- EnrollReply ()
- EnrollReply (EnrollReply other)
- bool Equals (EnrollReply other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnrollReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectionsFieldNumber = 1

  *Field number for the "detections" field.*
- const int DetectReplyFieldNumber = 4

  *Field number for the "detect_reply" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int EnrollmentsFieldNumber = 8

  *Field number for the "enrollments" field.*
- const int ErrorsFieldNumber = 7

  *Field number for the "errors" field.*
- const int ExtractReplyFieldNumber = 6

  *Field number for the "extract_reply" field.*
- const int FrameIdFieldNumber = 3

  *Field number for the "frame_id" field.*
- const int ProgressFieldNumber = 9

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 10

  *Field number for the "progress_only_reply" field.*
- const int TrackReplyFieldNumber = 5

  *Field number for the "track_reply" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *DEPRICATED: FOR LEGACY SYSTEMS ONLY.*
- global::briar.BriarGrpc.DetectReply DetectReply `[get, set]`

  *OPTIONAL: A dectect reply to be populated if the service is sending intermediate detection results back to the client*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- pbc::RepeatedField< global::briar.BriarGrpc.EnrollmentInfo > Enrollments `[get]`

  *OPTIONAL: Information about the enrollments*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- global::briar.BriarGrpc.ExtractReply ExtractReply `[get, set]`

*OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client*

- long FrameId `[get, set]`

  *OPTIONAL: The id of the media frame associated with the detections.*
- static pb::MessageParser< EnrollReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- global::briar.BriarGrpc.TrackReply TrackReply `[get, set]`

  *OPTIONAL: A track reply to be populated if the service is sending intermediate detection results back to the client*

## 7.67.1 Constructor & Destructor Documentation

### 7.67.1.1 EnrollReply() [1/2]

```
briar.BriarGrpc.EnrollReply.EnrollReply ( )  [inline]
```

### 7.67.1.2 EnrollReply() [2/2]

```
briar.BriarGrpc.EnrollReply.EnrollReply (
            EnrollReply other )  [inline]
```

## 7.67.2 Member Function Documentation

### 7.67.2.1 CalculateSize()

```
int briar.BriarGrpc.EnrollReply.CalculateSize ( )  [inline]
```

### 7.67.2.2 Clone()

```
EnrollReply briar.BriarGrpc.EnrollReply.Clone ( )  [inline]
```

#### 7.67.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnrollReply.Equals (
            EnrollReply other )  [inline]
```

#### 7.67.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnrollReply.Equals (
            object other )  [inline]
```

#### 7.67.2.5 GetHashCode()

```
override int briar.BriarGrpc.EnrollReply.GetHashCode ( )  [inline]
```

#### 7.67.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnrollReply.MergeFrom (
            EnrollReply other )  [inline]
```

#### 7.67.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnrollReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.67.2.8 ToString()

```
override string briar.BriarGrpc.EnrollReply.ToString ( )  [inline]
```

#### 7.67.2.9 WriteTo()

```
void briar.BriarGrpc.EnrollReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.67.3 Member Data Documentation

### 7.67.3.1 DetectionsFieldNumber

```
const int briar.BriarGrpc.EnrollReply.DetectionsFieldNumber = 1  [static]
```

Field number for the "detections" field.

### 7.67.3.2 DetectReplyFieldNumber

```
const int briar.BriarGrpc.EnrollReply.DetectReplyFieldNumber = 4  [static]
```

Field number for the "detect_reply" field.

### 7.67.3.3 DurationsFieldNumber

```
const int briar.BriarGrpc.EnrollReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

### 7.67.3.4 EnrollmentsFieldNumber

```
const int briar.BriarGrpc.EnrollReply.EnrollmentsFieldNumber = 8  [static]
```

Field number for the "enrollments" field.

### 7.67.3.5 ErrorsFieldNumber

```
const int briar.BriarGrpc.EnrollReply.ErrorsFieldNumber = 7  [static]
```

Field number for the "errors" field.

#### 7.67.3.6 ExtractReplyFieldNumber

```
const int briar.BriarGrpc.EnrollReply.ExtractReplyFieldNumber = 6  [static]
```

Field number for the "extract_reply" field.

#### 7.67.3.7 FrameIdFieldNumber

```
const int briar.BriarGrpc.EnrollReply.FrameIdFieldNumber = 3  [static]
```

Field number for the "frame_id" field.

#### 7.67.3.8 ProgressFieldNumber

```
const int briar.BriarGrpc.EnrollReply.ProgressFieldNumber = 9  [static]
```

Field number for the "progress" field.

#### 7.67.3.9 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.EnrollReply.ProgressOnlyReplyFieldNumber = 10  [static]
```

Field number for the "progress_only_reply" field.

#### 7.67.3.10 TrackReplyFieldNumber

```
const int briar.BriarGrpc.EnrollReply.TrackReplyFieldNumber = 5  [static]
```

Field number for the "track_reply" field.

### 7.67.4 Property Documentation

#### 7.67.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnrollReply.Descriptor  [static], [get]
```

#### 7.67.4.2 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.EnrollReply.Detections
[get]
```

DEPRICATED: FOR LEGACY SYSTEMS ONLY.

use detect_reply instead. Detections generated by auto-detect

#### 7.67.4.3 DetectReply

```
global.briar.BriarGrpc.DetectReply briar.BriarGrpc.EnrollReply.DetectReply  [get], [set]
```

OPTIONAL: A dectect reply to be populated if the service is sending intermediate detection results back to the client

#### 7.67.4.4 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.EnrollReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.67.4.5 Enrollments

```
pbc.RepeatedField<global.briar.BriarGrpc.EnrollmentInfo> briar.BriarGrpc.EnrollReply.Enrollments
[get]
```

OPTIONAL: Information about the enrollments

#### 7.67.4.6 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.EnrollReply.Errors  [get], [set]
```

#### 7.67.4.7 ExtractReply

```
global.briar.BriarGrpc.ExtractReply briar.BriarGrpc.EnrollReply.ExtractReply  [get], [set]
```

OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client

#### 7.67.4.8 FrameId

```
long briar.BriarGrpc.EnrollReply.FrameId  [get], [set]
```

OPTIONAL: The id of the media frame associated with the detections.

#### 7.67.4.9 Parser

```
pb.MessageParser<EnrollReply> briar.BriarGrpc.EnrollReply.Parser  [static], [get]
```

#### 7.67.4.10 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.EnrollReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.67.4.11 ProgressOnlyReply

```
bool briar.BriarGrpc.EnrollReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.67.4.12 TrackReply

```
global.briar.BriarGrpc.TrackReply briar.BriarGrpc.EnrollReply.TrackReply  [get], [set]
```

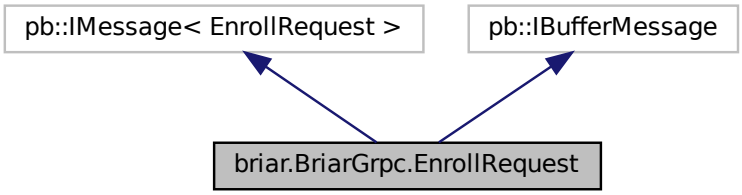
OPTIONAL: A track reply to be populated if the service is sending intermediate detection results back to the client

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

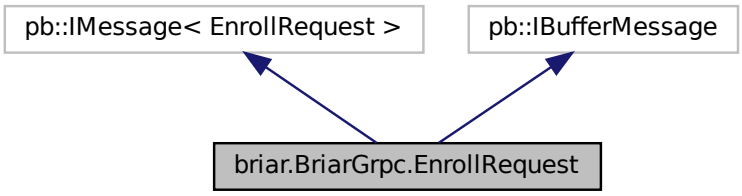
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.68 briar.BriarGrpc.EnrollRequest Class Reference

Inheritance diagram for briar.BriarGrpc.EnrollRequest:




Collaboration diagram for briar.BriarGrpc.EnrollRequest:




### Public Member Functions

- int CalculateSize ()
- EnrollRequest Clone ()
- EnrollRequest ()
- EnrollRequest (EnrollRequest other)
- bool Equals (EnrollRequest other)
- override bool Equals (object other)
- override int GetHashCode ()
- void MergeFrom (EnrollRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 3

  *Field number for the "database" field.*
- const int DetectionsFieldNumber = 10

  *Field number for the "detections" field.*
- const int DetectOptionsFieldNumber = 14

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 13

  *Field number for the "durations" field.*
- const int EnrollFlagFieldNumber = 9

  *Field number for the "enroll_flag" field.*
- const int EnrollOptionsFieldNumber = 16

  *Field number for the "enroll_options" field.*
- const int ExtractOptionsFieldNumber = 15

  *Field number for the "extract_options" field.*
- const int FrameFieldNumber = 2

  *Field number for the "frame" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int MediaIdFieldNumber = 4

  *Field number for the "media_id" field.*
- const int RecordFieldNumber = 12

  *Field number for the "record" field.*
- const int SubjectIdIntegerFieldNumber = 17

  *Field number for the "subject_id_integer" field.*
- const int SubjectIdsFieldNumber = 5

  *Field number for the "subject_ids" field.*
- const int TemplateFieldNumber = 11

  *Field number for the "template" field.*
- const int TracksFieldNumber = 8

  *Field number for the "tracks" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *The database to enroll into*
- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *OPTIONAL user specified detection to extract image from*
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *Hyperparameters to run the detection with*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.EnrollFlags EnrollFlag `[get, set]`

  *How to run the enrollement*
- global::briar.BriarGrpc.EnrollOptions EnrollOptions `[get, set]`

  *How this is to be enrolled in the database*
- global::briar.BriarGrpc.ExtractOptions ExtractOptions `[get, set]`

  *Hyperparameters to run the extraction with*

- int Frame [get, set]

  *What frame of the video this is*
- global::briar.BriarGrpc.BriarMedia Media [get, set]

  *The image or video media to process*
- string MediaId [get, set]

  *OPTIONAL unique id of the given input media.*
- static pb::MessageParser< EnrollRequest > Parser [get]
- global::briar.BriarGrpc.Record Record [get, set]

  *DEPRICATED: records are not used at this time.*
- int SubjectIdInteger [get, set]

  *DEPRICATED: FOR LEGACY SYSTEMS ONLY.*
- pbc::RepeatedField< string > SubjectIds [get]

  *OPTIONAL unique id of the given input subject within a media.*
- global::briar.BriarGrpc.Template Template [get, set]

  *OPTIONAL User specified template to enroll bypasing detect and extract*
- pbc::RepeatedField< global::briar.BriarGrpc.Tracklet > Tracks [get]

  *OPTIONAL Clients may provide a list of tracks from external algorithms that should be used instead of internal detection algorithms.*

## 7.68.1 Constructor & Destructor Documentation

### 7.68.1.1 EnrollRequest() [1/2]

```
briar.BriarGrpc.EnrollRequest.EnrollRequest ( )  [inline]
```

### 7.68.1.2 EnrollRequest() [2/2]

```
briar.BriarGrpc.EnrollRequest.EnrollRequest (
            EnrollRequest other )  [inline]
```

## 7.68.2 Member Function Documentation

### 7.68.2.1 CalculateSize()

```
int briar.BriarGrpc.EnrollRequest.CalculateSize ( )  [inline]
```

#### 7.68.2.2 Clone()

```
EnrollRequest briar.BriarGrpc.EnrollRequest.Clone ( )  [inline]
```

#### 7.68.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.EnrollRequest.Equals (
            EnrollRequest other )  [inline]
```

#### 7.68.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.EnrollRequest.Equals (
            object other )  [inline]
```

#### 7.68.2.5 GetHashCode()

```
override int briar.BriarGrpc.EnrollRequest.GetHashCode ( )  [inline]
```

#### 7.68.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.EnrollRequest.MergeFrom (
            EnrollRequest other )  [inline]
```

#### 7.68.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.EnrollRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.68.2.8 ToString()

```
override string briar.BriarGrpc.EnrollRequest.ToString ( )  [inline]
```

#### 7.68.2.9 WriteTo()

```
void briar.BriarGrpc.EnrollRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.68.3 Member Data Documentation

#### 7.68.3.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.DatabaseFieldNumber = 3  [static]
```

Field number for the "database" field.

#### 7.68.3.2 DetectionsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.DetectionsFieldNumber = 10  [static]
```

Field number for the "detections" field.

#### 7.68.3.3 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.DetectOptionsFieldNumber = 14  [static]
```

Field number for the "detect_options" field.

#### 7.68.3.4 DurationsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.DurationsFieldNumber = 13  [static]
```

Field number for the "durations" field.

#### 7.68.3.5 EnrollFlagFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.EnrollFlagFieldNumber = 9  [static]
```

Field number for the "enroll_flag" field.

#### 7.68.3.6 EnrollOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.EnrollOptionsFieldNumber = 16  [static]
```

Field number for the "enroll_options" field.

#### 7.68.3.7 ExtractOptionsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.ExtractOptionsFieldNumber = 15  [static]
```

Field number for the "extract_options" field.

#### 7.68.3.8 FrameFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.FrameFieldNumber = 2  [static]
```

Field number for the "frame" field.

#### 7.68.3.9 MediaFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.68.3.10 MediaIdFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.MediaIdFieldNumber = 4  [static]
```

Field number for the "media_id" field.

#### 7.68.3.11 RecordFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.RecordFieldNumber = 12  [static]
```

Field number for the "record" field.

#### 7.68.3.12 SubjectIdIntegerFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.SubjectIdIntegerFieldNumber = 17  [static]
```

Field number for the "subject_id_integer" field.

#### 7.68.3.13 SubjectIdsFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.SubjectIdsFieldNumber = 5  [static]
```

Field number for the "subject_ids" field.

#### 7.68.3.14 TemplateFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.TemplateFieldNumber = 11  [static]
```

Field number for the "template" field.

#### 7.68.3.15 TracksFieldNumber

```
const int briar.BriarGrpc.EnrollRequest.TracksFieldNumber = 8  [static]
```

Field number for the "tracks" field.

### 7.68.4 Property Documentation

#### 7.68.4.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.EnrollRequest.Database  [get], [set]
```

The database to enroll into

#### 7.68.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.EnrollRequest.Descriptor  [static], [get]
```

#### 7.68.4.3 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.EnrollRequest.Detections
[get]
```

OPTIONAL user specified detection to extract image from

#### 7.68.4.4 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.EnrollRequest.DetectOptions  [get],
[set]
```

Hyperparameters to run the detection with

#### 7.68.4.5 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.EnrollRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.68.4.6 EnrollFlag

```
global.briar.BriarGrpc.EnrollFlags briar.BriarGrpc.EnrollRequest.EnrollFlag  [get], [set]
```

How to run the enrollement

#### 7.68.4.7 EnrollOptions

```
global.briar.BriarGrpc.EnrollOptions briar.BriarGrpc.EnrollRequest.EnrollOptions  [get], [set]
```

How this is to be enrolled in the database

#### 7.68.4.8 ExtractOptions

```
global.briar.BriarGrpc.ExtractOptions briar.BriarGrpc.EnrollRequest.ExtractOptions  [get],
[set]
```

Hyperparameters to run the extraction with

#### 7.68.4.9 Frame

```
int briar.BriarGrpc.EnrollRequest.Frame  [get], [set]
```

What frame of the video this is

#### 7.68.4.10 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.EnrollRequest.Media  [get], [set]
```

The image or video media to process

#### 7.68.4.11 MediaId

```
string briar.BriarGrpc.EnrollRequest.MediaId  [get], [set]
```

OPTIONAL unique id of the given input media.

If not provide a unique id should be assigned by the service: UNKNOWN_################.

#### 7.68.4.12 Parser

```
pb.MessageParser<EnrollRequest> briar.BriarGrpc.EnrollRequest.Parser  [static], [get]
```

#### 7.68.4.13 Record

```
global.briar.BriarGrpc.Record briar.BriarGrpc.EnrollRequest.Record  [get], [set]
```

DEPRICATED: records are not used at this time.

#### 7.68.4.14 SubjectIdInteger

```
int briar.BriarGrpc.EnrollRequest.SubjectIdInteger  [get], [set]
```

DEPRICATED: FOR LEGACY SYSTEMS ONLY.

Provides an integer-version of a subject ID

#### 7.68.4.15 SubjectIds

```
pbc.RepeatedField<string> briar.BriarGrpc.EnrollRequest.SubjectIds  [get]
```

OPTIONAL unique id of the given input subject within a media.

If not provide a unique id should be assigned by the service: UNKNOWN_################.

#### 7.68.4.16 Template

```
global.briar.BriarGrpc.Template briar.BriarGrpc.EnrollRequest.Template  [get], [set]
```

OPTIONAL User specified template to enroll bypasing detect and extract

#### 7.68.4.17 Tracks

```
pbc.RepeatedField<global.briar.BriarGrpc.Tracklet> briar.BriarGrpc.EnrollRequest.Tracks  [get]
```

OPTIONAL Clients may provide a list of tracks from external algorithms that should be used instead of internal detection algorithms.

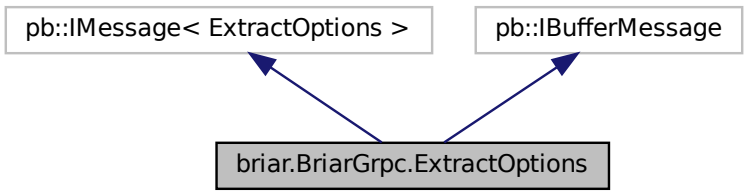
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

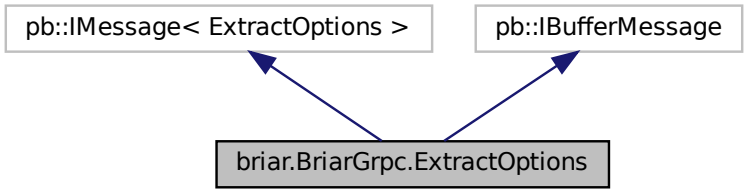
## 7.69 briar.BriarGrpc.ExtractOptions Class Reference

Options to extract a detected subject from an image

Inheritance diagram for briar.BriarGrpc.ExtractOptions:



Collaboration diagram for briar.BriarGrpc.ExtractOptions:




## Public Member Functions

- int CalculateSize ()
- ExtractOptions Clone ()
- bool Equals (ExtractOptions other)
- override bool Equals (object other)
- ExtractOptions ()
- ExtractOptions (ExtractOptions other)
- override int GetHashCode ()
- void MergeFrom (ExtractOptions other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmIdFieldNumber = 1

  *Field number for the "algorithm_id" field.*
- const int AttributesFieldNumber = 8

  *Field number for the "attributes" field.*
- const int DebugFieldNumber = 2

  *Field number for the "debug" field.*
- const int ExtractBatchFieldNumber = 4

  *Field number for the "extract_batch" field.*
- const int FlagFieldNumber = 3

  *Field number for the "flag" field.*
- const int ModalityFieldNumber = 5

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 6

  *Field number for the "return_media" field.*

## Properties

- global::briar.BriarGrpc.StringOption AlgorithmId `[get, set]`
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing algorithm specific options*
- global::briar.BriarGrpc.BoolOption Debug `[get, set]`

  *Save or print more info on the server side*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.IntOption ExtractBatch `[get, set]`

  *batch size for extraction processes*
- global::briar.BriarGrpc.ExtractFlags Flag `[get, set]`

  *Flags to allow for auto-detection*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *Specifies extraction for a specific modality (i.e.*
- static pb::MessageParser< ExtractOptions > Parser `[get]`
- global::briar.BriarGrpc.BoolOption ReturnMedia `[get, set]`

  *Should we return media (e.i.*

### 7.69.1 Detailed Description

Options to extract a detected subject from an image

### 7.69.2 Constructor & Destructor Documentation

#### 7.69.2.1 ExtractOptions() [1/2]

```
briar.BriarGrpc.ExtractOptions.ExtractOptions ( )  [inline]
```

#### 7.69.2.2 ExtractOptions() [2/2]

```
briar.BriarGrpc.ExtractOptions.ExtractOptions (
            ExtractOptions other )  [inline]
```

### 7.69.3 Member Function Documentation

#### 7.69.3.1 CalculateSize()

```
int briar.BriarGrpc.ExtractOptions.CalculateSize ( )  [inline]
```

#### 7.69.3.2 Clone()

```
ExtractOptions briar.BriarGrpc.ExtractOptions.Clone ( )  [inline]
```

#### 7.69.3.3 Equals() [1/2]

```
bool briar.BriarGrpc.ExtractOptions.Equals (
            ExtractOptions other )  [inline]
```

#### 7.69.3.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ExtractOptions.Equals (
            object other )  [inline]
```

#### 7.69.3.5 GetHashCode()

```
override int briar.BriarGrpc.ExtractOptions.GetHashCode ( )  [inline]
```

#### 7.69.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ExtractOptions.MergeFrom (
            ExtractOptions other )  [inline]
```

#### 7.69.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ExtractOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.69.3.8 ToString()

```
override string briar.BriarGrpc.ExtractOptions.ToString ( )  [inline]
```

#### 7.69.3.9 WriteTo()

```
void briar.BriarGrpc.ExtractOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.69.4 Member Data Documentation

#### 7.69.4.1 AlgorithmIdFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.AlgorithmIdFieldNumber = 1  [static]
```

Field number for the "algorithm_id" field.

#### 7.69.4.2 AttributesFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.AttributesFieldNumber = 8  [static]
```

Field number for the "attributes" field.

#### 7.69.4.3 DebugFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.DebugFieldNumber = 2  [static]
```

Field number for the "debug" field.

#### 7.69.4.4 ExtractBatchFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.ExtractBatchFieldNumber = 4  [static]
```

Field number for the "extract_batch" field.

#### 7.69.4.5 FlagFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.FlagFieldNumber = 3  [static]
```

Field number for the "flag" field.

#### 7.69.4.6 ModalityFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.ModalityFieldNumber = 5  [static]
```

Field number for the "modality" field.

#### 7.69.4.7 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.ExtractOptions.ReturnMediaFieldNumber = 6  [static]
```

Field number for the "return_media" field.

### 7.69.5 Property Documentation

#### 7.69.5.1 AlgorithmId

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.ExtractOptions.AlgorithmId  [get], [set]
```

#### 7.69.5.2 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.ExtractOptions.Attributes
[get]
```

Used for passing algorithm specific options

#### 7.69.5.3 Debug

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.ExtractOptions.Debug  [get], [set]
```

Save or print more info on the server side

#### 7.69.5.4 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ExtractOptions.Descriptor  [static], [get]
```

#### 7.69.5.5 ExtractBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.ExtractOptions.ExtractBatch  [get], [set]
```

batch size for extraction processes

#### 7.69.5.6 Flag

```
global.briar.BriarGrpc.ExtractFlags briar.BriarGrpc.ExtractOptions.Flag  [get], [set]
```

Flags to allow for auto-detection

#### 7.69.5.7 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.ExtractOptions.Modality  [get], [set]
```

Specifies extraction for a specific modality (i.e.

face or whole body)

#### 7.69.5.8 Parser

```
pb.MessageParser<ExtractOptions> briar.BriarGrpc.ExtractOptions.Parser  [static], [get]
```

#### 7.69.5.9 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.ExtractOptions.ReturnMedia  [get], [set]
```

Should we return media (e.i.

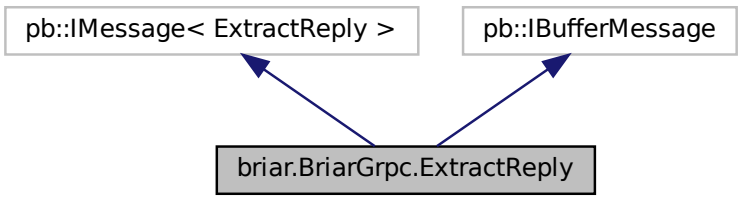
cropped images) related to the detections back to the client?

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

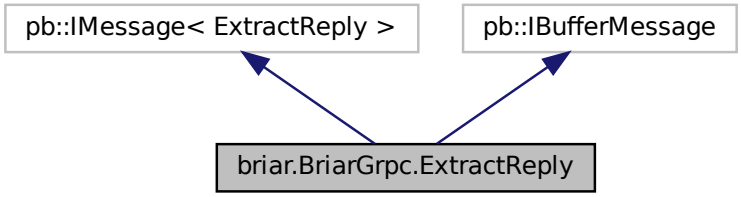
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.70 briar.BriarGrpc.ExtractReply Class Reference

Inheritance diagram for briar.BriarGrpc.ExtractReply:




Collaboration diagram for briar.BriarGrpc.ExtractReply:




### Public Member Functions

- int CalculateSize ()
- ExtractReply Clone ()
- bool Equals (ExtractReply other)
- override bool Equals (object other)
- ExtractReply ()
- ExtractReply (ExtractReply other)
- override int GetHashCode ()
- void MergeFrom (ExtractReply other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectReplyFieldNumber = 6

  *Field number for the "detect_reply" field.*
- const int DurationsFieldNumber = 4

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 8

  *Field number for the "errors" field.*
- const int FrameIdFieldNumber = 3

  *Field number for the "frame_id" field.*
- const int ModalityFieldNumber = 5

  *Field number for the "modality" field.*
- const int ProgressFieldNumber = 9

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 10

  *Field number for the "progress_only_reply" field.*
- const int TemplatesFieldNumber = 1

  *Field number for the "templates" field.*
- const int TrackReplyFieldNumber = 7

  *Field number for the "track_reply" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectReply DetectReply `[get, set]`

  *OPTIONAL: the detect reply associated with the extraction if the service is sending intermediate detection results back to the client*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- long FrameId `[get, set]`

  *OPTIONAL: Id of the media frame associated with the extract*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *OPTIONAL: the modality of the templates extracted*
- static pb::MessageParser< ExtractReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- pbc::RepeatedField< global::briar.BriarGrpc.Template > Templates `[get]`

  *REQUIRED: Extracted features*
- global::briar.BriarGrpc.TrackReply TrackReply `[get, set]`

  *OPTIONAL: the track reply associated with the extraction if the service is sending intermediate detection results back to the client*

### 7.70.1 Constructor & Destructor Documentation

#### 7.70.1.1 ExtractReply() [1/2]

```
briar.BriarGrpc.ExtractReply.ExtractReply ( )  [inline]
```

#### 7.70.1.2 ExtractReply() [2/2]

```
briar.BriarGrpc.ExtractReply.ExtractReply (
            ExtractReply other )  [inline]
```

### 7.70.2 Member Function Documentation

#### 7.70.2.1 CalculateSize()

```
int briar.BriarGrpc.ExtractReply.CalculateSize ( )  [inline]
```

#### 7.70.2.2 Clone()

```
ExtractReply briar.BriarGrpc.ExtractReply.Clone ( )  [inline]
```

#### 7.70.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.ExtractReply.Equals (
            ExtractReply other )  [inline]
```

#### 7.70.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ExtractReply.Equals (
            object other )  [inline]
```

#### 7.70.2.5 GetHashCode()

```
override int briar.BriarGrpc.ExtractReply.GetHashCode ( )  [inline]
```

#### 7.70.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ExtractReply.MergeFrom (
            ExtractReply other )  [inline]
```

#### 7.70.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ExtractReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.70.2.8 ToString()

```
override string briar.BriarGrpc.ExtractReply.ToString ( )  [inline]
```

#### 7.70.2.9 WriteTo()

```
void briar.BriarGrpc.ExtractReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.70.3 Member Data Documentation

#### 7.70.3.1 DetectReplyFieldNumber

```
const int briar.BriarGrpc.ExtractReply.DetectReplyFieldNumber = 6  [static]
```

Field number for the "detect_reply" field.

#### 7.70.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.ExtractReply.DurationsFieldNumber = 4  [static]
```

Field number for the "durations" field.

#### 7.70.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.ExtractReply.ErrorsFieldNumber = 8  [static]
```

Field number for the "errors" field.

#### 7.70.3.4 FrameIdFieldNumber

```
const int briar.BriarGrpc.ExtractReply.FrameIdFieldNumber = 3  [static]
```

Field number for the "frame_id" field.

#### 7.70.3.5 ModalityFieldNumber

```
const int briar.BriarGrpc.ExtractReply.ModalityFieldNumber = 5  [static]
```

Field number for the "modality" field.

#### 7.70.3.6 ProgressFieldNumber

```
const int briar.BriarGrpc.ExtractReply.ProgressFieldNumber = 9  [static]
```

Field number for the "progress" field.

#### 7.70.3.7 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.ExtractReply.ProgressOnlyReplyFieldNumber = 10  [static]
```

Field number for the "progress_only_reply" field.

#### 7.70.3.8 TemplatesFieldNumber

```
const int briar.BriarGrpc.ExtractReply.TemplatesFieldNumber = 1  [static]
```

Field number for the "templates" field.

#### 7.70.3.9 TrackReplyFieldNumber

```
const int briar.BriarGrpc.ExtractReply.TrackReplyFieldNumber = 7  [static]
```

Field number for the "track_reply" field.

### 7.70.4 Property Documentation

#### 7.70.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ExtractReply.Descriptor  [static], [get]
```

#### 7.70.4.2 DetectReply

```
global.briar.BriarGrpc.DetectReply briar.BriarGrpc.ExtractReply.DetectReply  [get], [set]
```

OPTIONAL: the detect reply associated with the extraction if the service is sending intermediate detection results back to the client

#### 7.70.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.ExtractReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.70.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.ExtractReply.Errors  [get], [set]
```

#### 7.70.4.5 FrameId

```
long briar.BriarGrpc.ExtractReply.FrameId  [get], [set]
```

OPTIONAL: Id of the media frame associated with the extract

#### 7.70.4.6 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.ExtractReply.Modality  [get], [set]
```

OPTIONAL: the modality of the templates extracted

#### 7.70.4.7 Parser

```
pb.MessageParser<ExtractReply> briar.BriarGrpc.ExtractReply.Parser  [static], [get]
```

#### 7.70.4.8 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.ExtractReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.70.4.9 ProgressOnlyReply

```
bool briar.BriarGrpc.ExtractReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.70.4.10 Templates

```
pbc.RepeatedField<global.briar.BriarGrpc.Template> briar.BriarGrpc.ExtractReply.Templates
[get]
```

REQUIRED: Extracted features

#### 7.70.4.11 TrackReply

```
global.briar.BriarGrpc.TrackReply briar.BriarGrpc.ExtractReply.TrackReply  [get], [set]
```

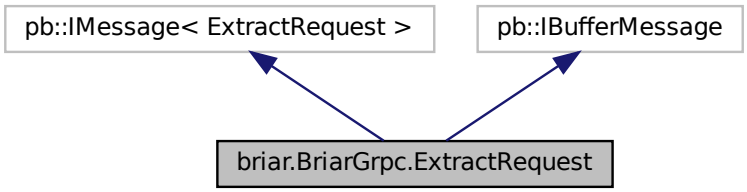
OPTIONAL: the track reply associated with the extraction if the service is sending intermediate detection results back to the client

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

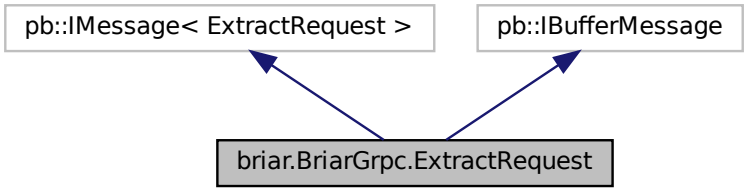
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.71 briar.BriarGrpc.ExtractRequest Class Reference

Inheritance diagram for briar.BriarGrpc.ExtractRequest:




Collaboration diagram for briar.BriarGrpc.ExtractRequest:




### Public Member Functions

- int CalculateSize ()
- ExtractRequest Clone ()
- bool Equals (ExtractRequest other)
- override bool Equals (object other)
- ExtractRequest ()
- ExtractRequest (ExtractRequest other)
- override int GetHashCode ()
- void MergeFrom (ExtractRequest other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int DetectionsFieldNumber = 3

  *Field number for the "detections" field.*
- const int DetectOptionsFieldNumber = 4

*Field number for the "detect_options" field.*

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*

- const int ExtractOptionsFieldNumber = 5

  *Field number for the "extract_options" field.*

- const int MediaFieldNumber = 1

  *Field number for the "media" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *Detections to extract features from*

- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *Detection options*

- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*

- global::briar.BriarGrpc.ExtractOptions ExtractOptions `[get, set]`

  *Extraction options*

- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *Image to extract features from*

- static pb::MessageParser< ExtractRequest > Parser `[get]`

### 7.71.1 Constructor & Destructor Documentation

#### 7.71.1.1 ExtractRequest() [1/2]

```
briar.BriarGrpc.ExtractRequest.ExtractRequest ( )  [inline]
```

#### 7.71.1.2 ExtractRequest() [2/2]

```
briar.BriarGrpc.ExtractRequest.ExtractRequest (
            ExtractRequest other )  [inline]
```

### 7.71.2 Member Function Documentation

#### 7.71.2.1 CalculateSize()

```
int briar.BriarGrpc.ExtractRequest.CalculateSize ( )  [inline]
```

#### 7.71.2.2 Clone()

```
ExtractRequest briar.BriarGrpc.ExtractRequest.Clone ( )  [inline]
```

#### 7.71.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.ExtractRequest.Equals (
            ExtractRequest other )  [inline]
```

#### 7.71.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.ExtractRequest.Equals (
            object other )  [inline]
```

#### 7.71.2.5 GetHashCode()

```
override int briar.BriarGrpc.ExtractRequest.GetHashCode ( )  [inline]
```

#### 7.71.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.ExtractRequest.MergeFrom (
            ExtractRequest other )  [inline]
```

#### 7.71.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.ExtractRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.71.2.8 ToString()

```
override string briar.BriarGrpc.ExtractRequest.ToString ( )  [inline]
```

#### 7.71.2.9 WriteTo()

```
void briar.BriarGrpc.ExtractRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.71.3 Member Data Documentation

#### 7.71.3.1 DetectionsFieldNumber

```
const int briar.BriarGrpc.ExtractRequest.DetectionsFieldNumber = 3  [static]
```

Field number for the "detections" field.

#### 7.71.3.2 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.ExtractRequest.DetectOptionsFieldNumber = 4  [static]
```

Field number for the "detect_options" field.

#### 7.71.3.3 DurationsFieldNumber

```
const int briar.BriarGrpc.ExtractRequest.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.71.3.4 ExtractOptionsFieldNumber

```
const int briar.BriarGrpc.ExtractRequest.ExtractOptionsFieldNumber = 5  [static]
```

Field number for the "extract_options" field.

#### 7.71.3.5 MediaFieldNumber

```
const int briar.BriarGrpc.ExtractRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

## 7.71.4 Property Documentation

### 7.71.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.ExtractRequest.Descriptor  [static], [get]
```

### 7.71.4.2 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.ExtractRequest.Detections
[get]
```

Detections to extract features from

### 7.71.4.3 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.ExtractRequest.DetectOptions  [get],
[set]
```

Detection options

### 7.71.4.4 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.ExtractRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

### 7.71.4.5 ExtractOptions

```
global.briar.BriarGrpc.ExtractOptions briar.BriarGrpc.ExtractRequest.ExtractOptions  [get],
[set]
```

Extraction options

#### 7.71.4.6 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.ExtractRequest.Media  [get], [set]
```

Image to extract features from

#### 7.71.4.7 Parser

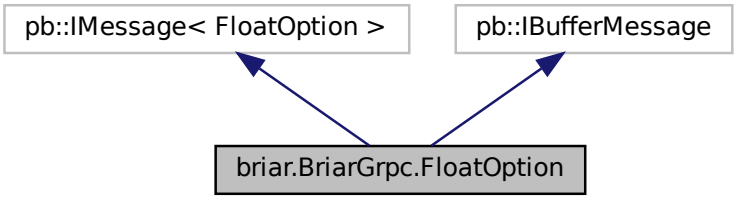
```
pb.MessageParser<ExtractRequest> briar.BriarGrpc.ExtractRequest.Parser  [static], [get]
```

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

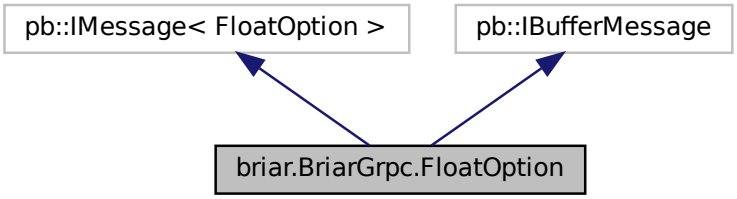
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.72 briar.BriarGrpc.FloatOption Class Reference

Inheritance diagram for briar.BriarGrpc.FloatOption:




Collaboration diagram for briar.BriarGrpc.FloatOption:



## Public Member Functions

- int CalculateSize ()
- FloatOption Clone ()
- bool Equals (FloatOption other)
- override bool Equals (object other)
- FloatOption ()
- FloatOption (FloatOption other)
- override int GetHashCode ()
- void MergeFrom (FloatOption other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int OverrideDefaultFieldNumber = 1

  *Field number for the "override_default" field.*
- const int ValueFieldNumber = 2

  *Field number for the "value" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- bool OverrideDefault `[get, set]`
- static pb::MessageParser< FloatOption > Parser `[get]`
- float Value `[get, set]`

### 7.72.1 Constructor & Destructor Documentation

#### 7.72.1.1 FloatOption() [1/2]

```
briar.BriarGrpc.FloatOption.FloatOption ( )  [inline]
```

#### 7.72.1.2 FloatOption() [2/2]

```
briar.BriarGrpc.FloatOption.FloatOption (
            FloatOption other )  [inline]
```

### 7.72.2 Member Function Documentation

#### 7.72.2.1 CalculateSize()

```
int briar.BriarGrpc.FloatOption.CalculateSize ( )  [inline]
```

#### 7.72.2.2 Clone()

```
FloatOption briar.BriarGrpc.FloatOption.Clone ( )  [inline]
```

#### 7.72.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.FloatOption.Equals (
            FloatOption other )  [inline]
```

#### 7.72.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.FloatOption.Equals (
            object other )  [inline]
```

#### 7.72.2.5 GetHashCode()

```
override int briar.BriarGrpc.FloatOption.GetHashCode ( )  [inline]
```

#### 7.72.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.FloatOption.MergeFrom (
            FloatOption other )  [inline]
```

#### 7.72.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.FloatOption.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.72.2.8 ToString()

```
override string briar.BriarGrpc.FloatOption.ToString ( )  [inline]
```

#### 7.72.2.9 WriteTo()

```
void briar.BriarGrpc.FloatOption.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.72.3 Member Data Documentation

#### 7.72.3.1 OverrideDefaultFieldNumber

```
const int briar.BriarGrpc.FloatOption.OverrideDefaultFieldNumber = 1  [static]
```

Field number for the "override_default" field.

#### 7.72.3.2 ValueFieldNumber

```
const int briar.BriarGrpc.FloatOption.ValueFieldNumber = 2  [static]
```

Field number for the "value" field.

### 7.72.4 Property Documentation

#### 7.72.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.FloatOption.Descriptor  [static], [get]
```

#### 7.72.4.2 OverrideDefault

```
bool briar.BriarGrpc.FloatOption.OverrideDefault  [get], [set]
```

#### 7.72.4.3 Parser

```
pb.MessageParser<FloatOption> briar.BriarGrpc.FloatOption.Parser  [static], [get]
```

#### 7.72.4.4 Value

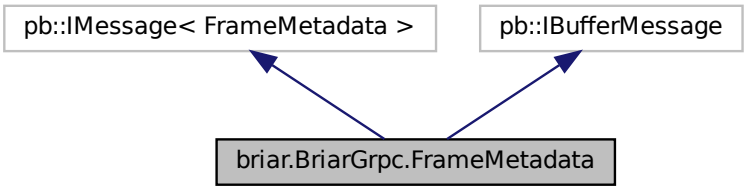
```
float briar.BriarGrpc.FloatOption.Value  [get], [set]
```

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

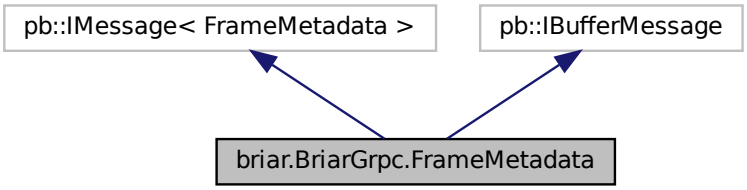
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.73 briar.BriarGrpc.FrameMetadata Class Reference

Inheritance diagram for briar.BriarGrpc.FrameMetadata:




Collaboration diagram for briar.BriarGrpc.FrameMetadata:



## Public Member Functions

- int CalculateSize ()
- FrameMetadata Clone ()
- bool Equals (FrameMetadata other)
- override bool Equals (object other)
- FrameMetadata ()
- FrameMetadata (FrameMetadata other)
- override int GetHashCode ()
- void MergeFrom (FrameMetadata other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 1

  *Field number for the "attributes" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`
- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< FrameMetadata > Parser `[get]`

### 7.73.1 Constructor & Destructor Documentation

#### 7.73.1.1 FrameMetadata() [1/2]

```
briar.BriarGrpc.FrameMetadata.FrameMetadata ( )  [inline]
```

#### 7.73.1.2 FrameMetadata() [2/2]

```
briar.BriarGrpc.FrameMetadata.FrameMetadata (
            FrameMetadata other )  [inline]
```

### 7.73.2 Member Function Documentation

#### 7.73.2.1 CalculateSize()

```
int briar.BriarGrpc.FrameMetadata.CalculateSize ( )  [inline]
```

#### 7.73.2.2 Clone()

```
FrameMetadata briar.BriarGrpc.FrameMetadata.Clone ( )  [inline]
```

#### 7.73.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.FrameMetadata.Equals (
            FrameMetadata other )  [inline]
```

#### 7.73.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.FrameMetadata.Equals (
            object other )  [inline]
```

#### 7.73.2.5 GetHashCode()

```
override int briar.BriarGrpc.FrameMetadata.GetHashCode ( )  [inline]
```

#### 7.73.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.FrameMetadata.MergeFrom (
            FrameMetadata other )  [inline]
```

#### 7.73.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.FrameMetadata.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.73.2.8 ToString()

```
override string briar.BriarGrpc.FrameMetadata.ToString ( )  [inline]
```

#### 7.73.2.9 WriteTo()

```
void briar.BriarGrpc.FrameMetadata.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.73.3 Member Data Documentation

#### 7.73.3.1 AttributesFieldNumber

```
const int briar.BriarGrpc.FrameMetadata.AttributesFieldNumber = 1  [static]
```

Field number for the "attributes" field.

### 7.73.4 Property Documentation

#### 7.73.4.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.FrameMetadata.Attributes
[get]
```

#### 7.73.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.FrameMetadata.Descriptor  [static], [get]
```

#### 7.73.4.3 Parser

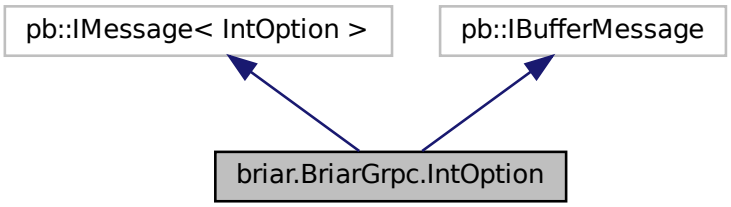
```
pb.MessageParser<FrameMetadata> briar.BriarGrpc.FrameMetadata.Parser  [static], [get]
```

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

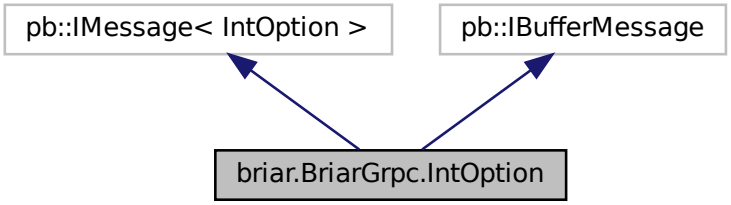
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.74 briar.BriarGrpc.IntOption Class Reference

Inheritance diagram for briar.BriarGrpc.IntOption:




Collaboration diagram for briar.BriarGrpc.IntOption:




### Public Member Functions

- int CalculateSize ()
- IntOption Clone ()
- bool Equals (IntOption other)
- override bool Equals (object other)
- override int GetHashCode ()
- IntOption ()
- IntOption (IntOption other)
- void MergeFrom (IntOption other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int OverrideDefaultFieldNumber = 1

  *Field number for the "override_default" field.*
- const int ValueFieldNumber = 2

  *Field number for the "value" field.*

## Properties

- static pbr::MessageDescriptor Descriptor [get]
- bool OverrideDefault [get, set]
- static pb::MessageParser< IntOption > Parser [get]
- long Value [get, set]

### 7.74.1 Constructor & Destructor Documentation

#### 7.74.1.1 IntOption() [1/2]

```
briar.BriarGrpc.IntOption.IntOption ( ) [inline]
```

#### 7.74.1.2 IntOption() [2/2]

```
briar.BriarGrpc.IntOption.IntOption (
            IntOption other ) [inline]
```

### 7.74.2 Member Function Documentation

#### 7.74.2.1 CalculateSize()

```
int briar.BriarGrpc.IntOption.CalculateSize ( ) [inline]
```

#### 7.74.2.2 Clone()

```
IntOption briar.BriarGrpc.IntOption.Clone ( ) [inline]
```

#### 7.74.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.IntOption.Equals (
            IntOption other ) [inline]
```

#### 7.74.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.IntOption.Equals (
            object other )  [inline]
```

#### 7.74.2.5 GetHashCode()

```
override int briar.BriarGrpc.IntOption.GetHashCode ( )  [inline]
```

#### 7.74.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.IntOption.MergeFrom (
            IntOption other )  [inline]
```

#### 7.74.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.IntOption.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.74.2.8 ToString()

```
override string briar.BriarGrpc.IntOption.ToString ( )  [inline]
```

#### 7.74.2.9 WriteTo()

```
void briar.BriarGrpc.IntOption.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.74.3 Member Data Documentation

#### 7.74.3.1 OverrideDefaultFieldNumber

```
const int briar.BriarGrpc.IntOption.OverrideDefaultFieldNumber = 1  [static]
```

Field number for the "override_default" field.

#### 7.74.3.2 ValueFieldNumber

```
const int briar.BriarGrpc.IntOption.ValueFieldNumber = 2  [static]
```

Field number for the "value" field.

### 7.74.4 Property Documentation

#### 7.74.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.IntOption.Descriptor  [static], [get]
```

#### 7.74.4.2 OverrideDefault

```
bool briar.BriarGrpc.IntOption.OverrideDefault  [get], [set]
```

#### 7.74.4.3 Parser

```
pb.MessageParser<IntOption> briar.BriarGrpc.IntOption.Parser  [static], [get]
```

#### 7.74.4.4 Value

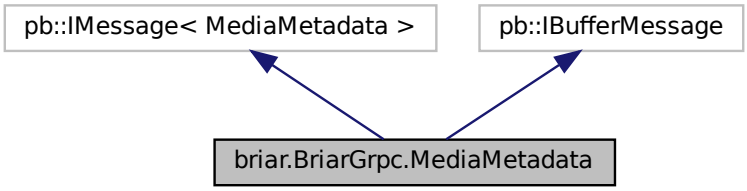
```
long briar.BriarGrpc.IntOption.Value  [get], [set]
```

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

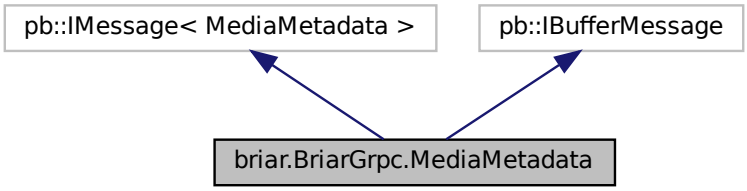
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.75 briar.BriarGrpc.MediaMetadata Class Reference

Inheritance diagram for briar.BriarGrpc.MediaMetadata:




Collaboration diagram for briar.BriarGrpc.MediaMetadata:




### Public Member Functions

- int CalculateSize ()
- MediaMetadata Clone ()
- bool Equals (MediaMetadata other)
- override bool Equals (object other)
- override int GetHashCode ()
- MediaMetadata ()
- MediaMetadata (MediaMetadata other)
- void MergeFrom (MediaMetadata other)
- void MergeFrom (pb::CodedInputStream input)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int AttributesFieldNumber = 1

  *Field number for the "attributes" field.*
- const int FrameMetadataFieldNumber = 2

  *Field number for the "frame_metadata" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes [get]
  *metadata describing the full media object*
- static pbr::MessageDescriptor Descriptor [get]
- pbc::RepeatedField< global::briar.BriarGrpc.FrameMetadata > FrameMetadata [get]
  *metadata objects associated at a frame by frame level*
- static pb::MessageParser< MediaMetadata > Parser [get]

## 7.75.1 Constructor & Destructor Documentation

### 7.75.1.1 MediaMetadata() [1/2]

```
briar.BriarGrpc.MediaMetadata.MediaMetadata ( )  [inline]
```

### 7.75.1.2 MediaMetadata() [2/2]

```
briar.BriarGrpc.MediaMetadata.MediaMetadata (
            MediaMetadata other )  [inline]
```

## 7.75.2 Member Function Documentation

### 7.75.2.1 CalculateSize()

```
int briar.BriarGrpc.MediaMetadata.CalculateSize ( )  [inline]
```

### 7.75.2.2 Clone()

```
MediaMetadata briar.BriarGrpc.MediaMetadata.Clone ( )  [inline]
```

### 7.75.2.3 Equals() [1/2]

```
bool briar.BriarGrpc.MediaMetadata.Equals (
            MediaMetadata other )  [inline]
```

#### 7.75.2.4 Equals() [2/2]

```
override bool briar.BriarGrpc.MediaMetadata.Equals (
            object other )  [inline]
```

#### 7.75.2.5 GetHashCode()

```
override int briar.BriarGrpc.MediaMetadata.GetHashCode ( )  [inline]
```

#### 7.75.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.MediaMetadata.MergeFrom (
            MediaMetadata other )  [inline]
```

#### 7.75.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.MediaMetadata.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.75.2.8 ToString()

```
override string briar.BriarGrpc.MediaMetadata.ToString ( )  [inline]
```

#### 7.75.2.9 WriteTo()

```
void briar.BriarGrpc.MediaMetadata.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.75.3 Member Data Documentation

#### 7.75.3.1 AttributesFieldNumber

```
const int briar.BriarGrpc.MediaMetadata.AttributesFieldNumber = 1  [static]
```

Field number for the "attributes" field.

#### 7.75.3.2 FrameMetadataFieldNumber

```
const int briar.BriarGrpc.MediaMetadata.FrameMetadataFieldNumber = 2  [static]
```

Field number for the "frame_metadata" field.

### 7.75.4 Property Documentation

#### 7.75.4.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.MediaMetadata.Attributes
[get]
```

metadata describing the full media object

#### 7.75.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.MediaMetadata.Descriptor  [static], [get]
```

#### 7.75.4.3 FrameMetadata

```
pbc.RepeatedField<global.briar.BriarGrpc.FrameMetadata> briar.BriarGrpc.MediaMetadata.Frame↩
Metadata  [get]
```

metadata objects associated at a frame by frame level

#### 7.75.4.4 Parser

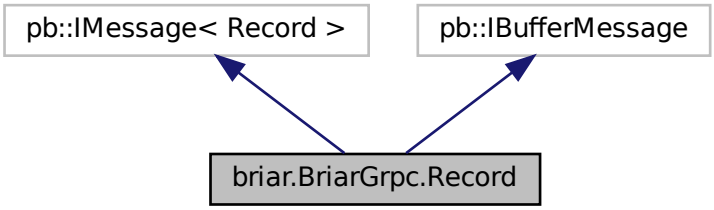
```
pb.MessageParser<MediaMetadata> briar.BriarGrpc.MediaMetadata.Parser  [static], [get]
```

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

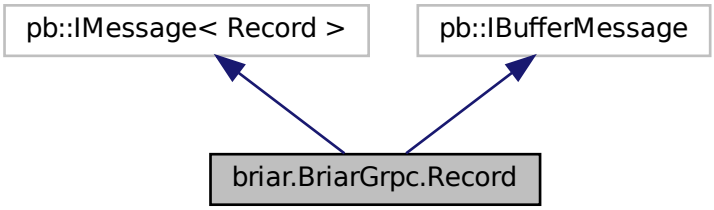
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.76 briar.BriarGrpc.Record Class Reference

Inheritance diagram for briar.BriarGrpc.Record:




Collaboration diagram for briar.BriarGrpc.Record:




### Public Member Functions

- int CalculateSize ()
- Record Clone ()
- override bool Equals (object other)
- bool Equals (Record other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (Record other)
- Record ()
- Record (Record other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmFieldNumber = 7

  *Field number for the "algorithm" field.*
- const int AttributesFieldNumber = 13

  *Field number for the "attributes" field.*
- const int DatabaseIdFieldNumber = 1

  *Field number for the "database_id" field.*
- const int DetectionFieldNumber = 14

  *Field number for the "detection" field.*
- const int EntryIdFieldNumber = 2

  *Field number for the "entry_id" field.*
- const int EntryTypeFieldNumber = 3

  *Field number for the "entry_type" field.*
- const int MediaIdFieldNumber = 17

  *Field number for the "media_id" field.*
- const int MediaPreviewsFieldNumber = 9

  *Field number for the "media_previews" field.*
- const int ModalityFieldNumber = 16

  *Field number for the "modality" field.*
- const int NameFieldNumber = 5

  *Field number for the "name" field.*
- const int NotesFieldNumber = 8

  *Field number for the "notes" field.*
- const int SourceFieldNumber = 15

  *Field number for the "source" field.*
- const int SourceIdFieldNumber = 6

  *Field number for the "source_id" field.*
- const int SubjectIdFieldNumber = 4

  *Field number for the "subject_id" field.*
- const int SubjectPreviewsFieldNumber = 10

  *Field number for the "subject_previews" field.*
- const int TemplatesFieldNumber = 11

  *Field number for the "templates" field.*
- const int TrackletsFieldNumber = 12

  *Field number for the "tracklets" field.*

## Properties

- string Algorithm `[get, set]`

  *OPTIONAL: Algorithm used to create the subject's templates*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *OPTIONAL: Additional data about the record*
- global::briar.BriarGrpc.BriarDatabase DatabaseId `[get, set]`

  *DEPRICATED, FOR LEGACY SYSTEMS ONLY Records are used to connect related information about media or a subject that is stored in a database.*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.Detection Detection `[get, set]`
- string EntryId `[get, set]`

  *REQUIRED: database entry associated with this record*
- global::briar.BriarGrpc.EntryType EntryType `[get, set]`

*REQUIRED: Type of entry, either 'subject' or 'media'*

- string MediaId `[get, set]`
- pbc::MapField< string, global::briar.BriarGrpc.BriarMedia > MediaPreviews `[get]`

  *OPTIONAL: A small set of images representing the raw media.*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`
- string Name `[get, set]`

  *OPTIONAL: Name of the subject.*
- string Notes `[get, set]`

  *OPTIONAL: Additional notes about the subject or the media*
- static pb::MessageParser< Record > Parser `[get]`
- string Source `[get, set]`
- pbc::RepeatedField< string > SourceId `[get]`

  *RECOMENDED: A list of source ids associated with this entry.*
- string SubjectId `[get, set]`

  *OPTIONAL: ID of subject this record belong.*
- pbc::MapField< string, global::briar.BriarGrpc.BriarMedia > SubjectPreviews `[get]`

  *OPTIONAL: small previews that could be displayed for GUIs or manual verification of a subject.*
- string Templates `[get, set]`

  *OPTIONAL: A list of template ids associated with this entry.*
- string Tracklets `[get, set]`

  *OPTIONAL: A list of tracklet_ids associated with this entry.*

## 7.76.1 Constructor & Destructor Documentation

### 7.76.1.1 Record() [1/2]

```
briar.BriarGrpc.Record.Record ( )  [inline]
```

### 7.76.1.2 Record() [2/2]

```
briar.BriarGrpc.Record.Record (
            Record other )  [inline]
```

## 7.76.2 Member Function Documentation

### 7.76.2.1 CalculateSize()

```
int briar.BriarGrpc.Record.CalculateSize ( )  [inline]
```

#### 7.76.2.2 Clone()

```
Record briar.BriarGrpc.Record.Clone ( )  [inline]
```

#### 7.76.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.Record.Equals (
            object other )  [inline]
```

#### 7.76.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.Record.Equals (
            Record other )  [inline]
```

#### 7.76.2.5 GetHashCode()

```
override int briar.BriarGrpc.Record.GetHashCode ( )  [inline]
```

#### 7.76.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Record.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.76.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Record.MergeFrom (
            Record other )  [inline]
```

#### 7.76.2.8 ToString()

```
override string briar.BriarGrpc.Record.ToString ( )  [inline]
```

#### 7.76.2.9 WriteTo()

```
void briar.BriarGrpc.Record.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.76.3 Member Data Documentation

#### 7.76.3.1 AlgorithmFieldNumber

```
const int briar.BriarGrpc.Record.AlgorithmFieldNumber = 7  [static]
```

Field number for the "algorithm" field.

#### 7.76.3.2 AttributesFieldNumber

```
const int briar.BriarGrpc.Record.AttributesFieldNumber = 13  [static]
```

Field number for the "attributes" field.

#### 7.76.3.3 DatabaseIdFieldNumber

```
const int briar.BriarGrpc.Record.DatabaseIdFieldNumber = 1  [static]
```

Field number for the "database_id" field.

#### 7.76.3.4 DetectionFieldNumber

```
const int briar.BriarGrpc.Record.DetectionFieldNumber = 14  [static]
```

Field number for the "detection" field.

#### 7.76.3.5 EntryIdFieldNumber

```
const int briar.BriarGrpc.Record.EntryIdFieldNumber = 2  [static]
```

Field number for the "entry_id" field.

#### 7.76.3.6 EntryTypeFieldNumber

```
const int briar.BriarGrpc.Record.EntryTypeFieldNumber = 3  [static]
```

Field number for the "entry_type" field.

#### 7.76.3.7 MediaIdFieldNumber

```
const int briar.BriarGrpc.Record.MediaIdFieldNumber = 17  [static]
```

Field number for the "media_id" field.

#### 7.76.3.8 MediaPreviewsFieldNumber

```
const int briar.BriarGrpc.Record.MediaPreviewsFieldNumber = 9  [static]
```

Field number for the "media_previews" field.

#### 7.76.3.9 ModalityFieldNumber

```
const int briar.BriarGrpc.Record.ModalityFieldNumber = 16  [static]
```

Field number for the "modality" field.

#### 7.76.3.10 NameFieldNumber

```
const int briar.BriarGrpc.Record.NameFieldNumber = 5  [static]
```

Field number for the "name" field.

#### 7.76.3.11 NotesFieldNumber

```
const int briar.BriarGrpc.Record.NotesFieldNumber = 8  [static]
```

Field number for the "notes" field.

#### 7.76.3.12 SourceFieldNumber

```
const int briar.BriarGrpc.Record.SourceFieldNumber = 15  [static]
```

Field number for the "source" field.

#### 7.76.3.13 SourceIdFieldNumber

```
const int briar.BriarGrpc.Record.SourceIdFieldNumber = 6  [static]
```

Field number for the "source_id" field.

#### 7.76.3.14 SubjectIdFieldNumber

```
const int briar.BriarGrpc.Record.SubjectIdFieldNumber = 4  [static]
```

Field number for the "subject_id" field.

#### 7.76.3.15 SubjectPreviewsFieldNumber

```
const int briar.BriarGrpc.Record.SubjectPreviewsFieldNumber = 10  [static]
```

Field number for the "subject_previews" field.

#### 7.76.3.16 TemplatesFieldNumber

```
const int briar.BriarGrpc.Record.TemplatesFieldNumber = 11  [static]
```

Field number for the "templates" field.

#### 7.76.3.17 TrackletsFieldNumber

```
const int briar.BriarGrpc.Record.TrackletsFieldNumber = 12  [static]
```

Field number for the "tracklets" field.

## 7.76.4 Property Documentation

### 7.76.4.1 Algorithm

```
string briar.BriarGrpc.Record.Algorithm  [get], [set]
```

OPTIONAL: Algorithm used to create the subject's templates

### 7.76.4.2 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.Record.Attributes  [get]
```

OPTIONAL: Additional data about the record

### 7.76.4.3 DatabaseId

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.Record.DatabaseId  [get], [set]
```

DEPRICATED, FOR LEGACY SYSTEMS ONLY Records are used to connect related information about media or a subject that is stored in a database.

Its structure may change in future API releases. This object is intened to hold information that is generally useful to humans. The intension is that it will allow a GUI or similar tool to display basic inforamtion about the data base entry. For example, it would link an enrollment for a subject back to a passport like photo, name and other information. Ideally it should also support linking back to the source media, detection and tracking info, and other data that could be used to better understand how the media was processed. Example: display source video with overlayed bounding boxes.

### 7.76.4.4 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Record.Descriptor  [static], [get]
```

### 7.76.4.5 Detection

```
global.briar.BriarGrpc.Detection briar.BriarGrpc.Record.Detection  [get], [set]
```

#### 7.76.4.6 EntryId

```
string briar.BriarGrpc.Record.EntryId  [get], [set]
```

REQUIRED: database entry associated with this record

#### 7.76.4.7 EntryType

```
global.briar.BriarGrpc.EntryType briar.BriarGrpc.Record.EntryType  [get], [set]
```

REQUIRED: Type of entry, either 'subject' or 'media'

#### 7.76.4.8 MediaId

```
string briar.BriarGrpc.Record.MediaId  [get], [set]
```

#### 7.76.4.9 MediaPreviews

```
pbc.MapField<string, global.briar.BriarGrpc.BriarMedia> briar.BriarGrpc.Record.MediaPreviews
[get]
```

OPTIONAL: A small set of images representing the raw media.

Example: a few low resolution frames.

#### 7.76.4.10 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.Record.Modality  [get], [set]
```

#### 7.76.4.11 Name

```
string briar.BriarGrpc.Record.Name  [get], [set]
```

OPTIONAL: Name of the subject.

Subject may be unknown.

#### 7.76.4.12 Notes

```
string briar.BriarGrpc.Record.Notes  [get], [set]
```

OPTIONAL: Additional notes about the subject or the media

#### 7.76.4.13 Parser

```
pb.MessageParser<Record> briar.BriarGrpc.Record.Parser  [static], [get]
```

#### 7.76.4.14 Source

```
string briar.BriarGrpc.Record.Source  [get], [set]
```

#### 7.76.4.15 SourceId

```
pbc.RepeatedField<string> briar.BriarGrpc.Record.SourceId  [get]
```

RECOMENDED: A list of source ids associated with this entry.

#### 7.76.4.16 SubjectId

```
string briar.BriarGrpc.Record.SubjectId  [get], [set]
```

OPTIONAL: ID of subject this record belong.

Leave blank if unknown.

#### 7.76.4.17 SubjectPreviews

```
pbc.MapField<string, global.briar.BriarGrpc.BriarMedia> briar.BriarGrpc.Record.SubjectPreviews
[get]
```

OPTIONAL: small previews that could be displayed for GUIs or manual verification of a subject.

Example: similar to mugshots or passport photos.

#### 7.76.4.18 Templates

```
string briar.BriarGrpc.Record.Templates  [get], [set]
```

OPTIONAL: A list of template ids associated with this entry.

#### 7.76.4.19 Tracklets

```
string briar.BriarGrpc.Record.Tracklets  [get], [set]
```

OPTIONAL: A list of tracklet_ids associated with this entry.

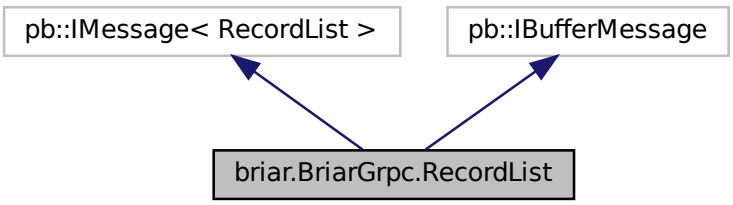
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

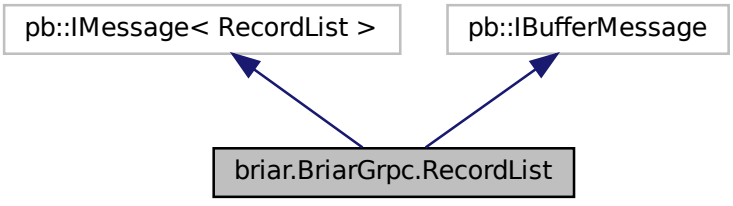
## 7.77 briar.BriarGrpc.RecordList Class Reference

DEPRICATED: records are not used at this time.

Inheritance diagram for briar.BriarGrpc.RecordList:




Collaboration diagram for briar.BriarGrpc.RecordList:



## Public Member Functions

- int CalculateSize ()
- RecordList Clone ()
- override bool Equals (object other)
- bool Equals (RecordList other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (RecordList other)
- RecordList ()
- RecordList (RecordList other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int RecordsFieldNumber = 1

  *Field number for the "records" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< RecordList > Parser `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Record > Records `[get]`

  *List of records*

### 7.77.1 Detailed Description

DEPRICATED: records are not used at this time.

### 7.77.2 Constructor & Destructor Documentation

#### 7.77.2.1 RecordList() [1/2]

```
briar.BriarGrpc.RecordList.RecordList ( )  [inline]
```

#### 7.77.2.2 RecordList() [2/2]

```
briar.BriarGrpc.RecordList.RecordList (
            RecordList other )  [inline]
```

## 7.77.3 Member Function Documentation

### 7.77.3.1 CalculateSize()

```
int briar.BriarGrpc.RecordList.CalculateSize ( )  [inline]
```

### 7.77.3.2 Clone()

```
RecordList briar.BriarGrpc.RecordList.Clone ( )  [inline]
```

### 7.77.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.RecordList.Equals (
            object other )  [inline]
```

### 7.77.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.RecordList.Equals (
            RecordList other )  [inline]
```

### 7.77.3.5 GetHashCode()

```
override int briar.BriarGrpc.RecordList.GetHashCode ( )  [inline]
```

### 7.77.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.RecordList.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.77.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.RecordList.MergeFrom (
            RecordList other )  [inline]
```

#### 7.77.3.8 ToString()

```
override string briar.BriarGrpc.RecordList.ToString ( )  [inline]
```

#### 7.77.3.9 WriteTo()

```
void briar.BriarGrpc.RecordList.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.77.4 Member Data Documentation

#### 7.77.4.1 RecordsFieldNumber

```
const int briar.BriarGrpc.RecordList.RecordsFieldNumber = 1  [static]
```

Field number for the "records" field.

### 7.77.5 Property Documentation

#### 7.77.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.RecordList.Descriptor  [static], [get]
```

#### 7.77.5.2 Parser

```
pb.MessageParser<RecordList> briar.BriarGrpc.RecordList.Parser  [static], [get]
```

#### 7.77.5.3 Records

```
pbc.RepeatedField<global.briar.BriarGrpc.Record> briar.BriarGrpc.RecordList.Records  [get]
```

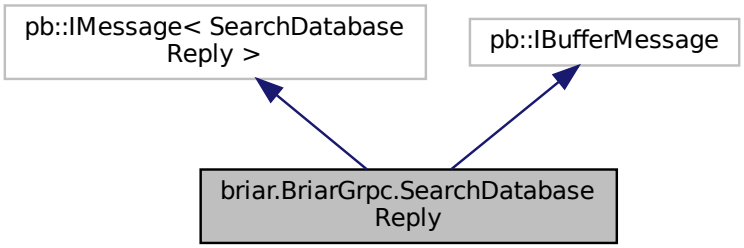
List of records

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

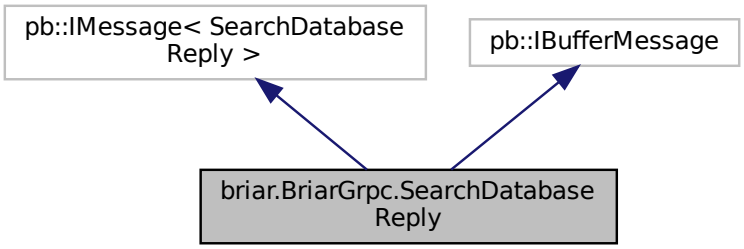
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.78 briar.BriarGrpc.SearchDatabaseReply Class Reference

Inheritance diagram for briar.BriarGrpc.SearchDatabaseReply:




Collaboration diagram for briar.BriarGrpc.SearchDatabaseReply:



## Public Member Functions

- int CalculateSize ()
- SearchDatabaseReply Clone ()
- override bool Equals (object other)
- bool Equals (SearchDatabaseReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchDatabaseReply other)
- SearchDatabaseReply ()
- SearchDatabaseReply (SearchDatabaseReply other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 6

  *Field number for the "errors" field.*
- const int ProgressFieldNumber = 7

  *Field number for the "progress" field.*
- const int SimilaritiesFieldNumber = 1

  *Field number for the "similarities" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.BriarDurations > Durations `[get]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- static pb::MessageParser< SearchDatabaseReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- pbc::RepeatedField< global::briar.BriarGrpc.SearchMatchList > Similarities `[get]`

  *REQUIRED: Return: List of similarities in scored order*

### 7.78.1 Constructor & Destructor Documentation

#### 7.78.1.1 SearchDatabaseReply() `[1/2]`

```
briar.BriarGrpc.SearchDatabaseReply.SearchDatabaseReply ( )  [inline]
```

#### 7.78.1.2 SearchDatabaseReply() [2/2]

```
briar.BriarGrpc.SearchDatabaseReply.SearchDatabaseReply (
            SearchDatabaseReply other )  [inline]
```

### 7.78.2 Member Function Documentation

#### 7.78.2.1 CalculateSize()

```
int briar.BriarGrpc.SearchDatabaseReply.CalculateSize ( )  [inline]
```

#### 7.78.2.2 Clone()

```
SearchDatabaseReply briar.BriarGrpc.SearchDatabaseReply.Clone ( )  [inline]
```

#### 7.78.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchDatabaseReply.Equals (
            object other )  [inline]
```

#### 7.78.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchDatabaseReply.Equals (
            SearchDatabaseReply other )  [inline]
```

#### 7.78.2.5 GetHashCode()

```
override int briar.BriarGrpc.SearchDatabaseReply.GetHashCode ( )  [inline]
```

#### 7.78.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchDatabaseReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.78.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchDatabaseReply.MergeFrom (
            SearchDatabaseReply other )  [inline]
```

#### 7.78.2.8 ToString()

```
override string briar.BriarGrpc.SearchDatabaseReply.ToString ( )  [inline]
```

#### 7.78.2.9 WriteTo()

```
void briar.BriarGrpc.SearchDatabaseReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.78.3 Member Data Documentation

#### 7.78.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.78.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseReply.ErrorsFieldNumber = 6  [static]
```

Field number for the "errors" field.

#### 7.78.3.3 ProgressFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseReply.ProgressFieldNumber = 7  [static]
```

Field number for the "progress" field.

#### 7.78.3.4 SimilaritiesFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseReply.SimilaritiesFieldNumber = 1  [static]
```

Field number for the "similarities" field.

### 7.78.4 Property Documentation

#### 7.78.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchDatabaseReply.Descriptor  [static], [get]
```

#### 7.78.4.2 Durations

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarDurations> briar.BriarGrpc.SearchDatabase↩
Reply.Durations  [get]
```

Log the time needed to complete the request on the server

#### 7.78.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.SearchDatabaseReply.Errors  [get], [set]
```

#### 7.78.4.4 Parser

```
pb.MessageParser<SearchDatabaseReply> briar.BriarGrpc.SearchDatabaseReply.Parser  [static],
[get]
```

#### 7.78.4.5 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.SearchDatabaseReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.78.4.6 Similarities

```
pbc.RepeatedField<global.briar.BriarGrpc.SearchMatchList> briar.BriarGrpc.SearchDatabase↩
Reply.Similarities  [get]
```

REQUIRED: Return: List of similarities in scored order

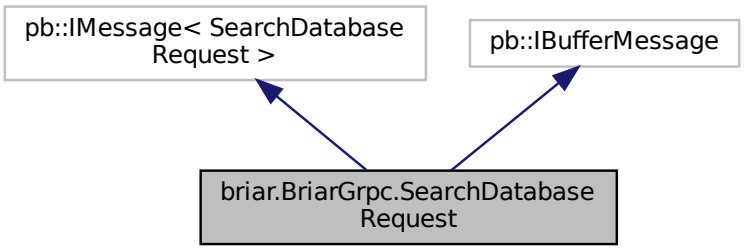
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

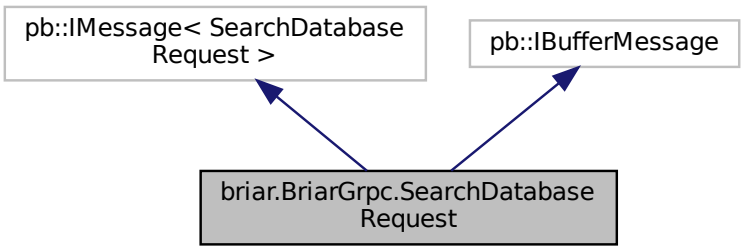
## 7.79 briar.BriarGrpc.SearchDatabaseRequest Class Reference

This is a search that takes a gallery database and a probe database, and searches all probes against the gallery

Inheritance diagram for briar.BriarGrpc.SearchDatabaseRequest:




Collaboration diagram for briar.BriarGrpc.SearchDatabaseRequest:



## Public Member Functions

- int CalculateSize ()
- SearchDatabaseRequest Clone ()
- override bool Equals (object other)
- bool Equals (SearchDatabaseRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchDatabaseRequest other)
- SearchDatabaseRequest ()
- SearchDatabaseRequest (SearchDatabaseRequest other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 4

  *Field number for the "database" field.*
- const int DurationsFieldNumber = 8

  *Field number for the "durations" field.*
- const int ProbeDatabaseFieldNumber = 7

  *Field number for the "probe_database" field.*
- const int ProbeEntryIdsFieldNumber = 12

  *Field number for the "probe_entry_ids" field.*
- const int SearchOptionsFieldNumber = 11

  *Field number for the "search_options" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Database to search*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< SearchDatabaseRequest > Parser `[get]`
- global::briar.BriarGrpc.BriarDatabase ProbeDatabase `[get, set]`

  *REQUIRED: probe database to to use as probe entries, instead of a BriarMedia*
- pbc::RepeatedField< string > ProbeEntryIds `[get]`

  *OPTIONAL: the list of probe database entries to search.*
- global::briar.BriarGrpc.SearchOptions SearchOptions `[get, set]`

  *search options from the API call*

### 7.79.1 Detailed Description

This is a search that takes a gallery database and a probe database, and searches all probes against the gallery

### 7.79.2 Constructor & Destructor Documentation

#### 7.79.2.1 SearchDatabaseRequest() [1/2]

```
briar.BriarGrpc.SearchDatabaseRequest.SearchDatabaseRequest ( )  [inline]
```

#### 7.79.2.2 SearchDatabaseRequest() [2/2]

```
briar.BriarGrpc.SearchDatabaseRequest.SearchDatabaseRequest (
            SearchDatabaseRequest other )  [inline]
```

### 7.79.3 Member Function Documentation

#### 7.79.3.1 CalculateSize()

```
int briar.BriarGrpc.SearchDatabaseRequest.CalculateSize ( )  [inline]
```

#### 7.79.3.2 Clone()

```
SearchDatabaseRequest briar.BriarGrpc.SearchDatabaseRequest.Clone ( )  [inline]
```

#### 7.79.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchDatabaseRequest.Equals (
            object other )  [inline]
```

#### 7.79.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchDatabaseRequest.Equals (
            SearchDatabaseRequest other )  [inline]
```

#### 7.79.3.5 GetHashCode()

```
override int briar.BriarGrpc.SearchDatabaseRequest.GetHashCode ( )  [inline]
```

#### 7.79.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchDatabaseRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.79.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchDatabaseRequest.MergeFrom (
            SearchDatabaseRequest other )  [inline]
```

#### 7.79.3.8 ToString()

```
override string briar.BriarGrpc.SearchDatabaseRequest.ToString ( )  [inline]
```

#### 7.79.3.9 WriteTo()

```
void briar.BriarGrpc.SearchDatabaseRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.79.4 Member Data Documentation

#### 7.79.4.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseRequest.DatabaseFieldNumber = 4  [static]
```

Field number for the "database" field.

#### 7.79.4.2 DurationsFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseRequest.DurationsFieldNumber = 8  [static]
```

Field number for the "durations" field.

#### 7.79.4.3 ProbeDatabaseFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseRequest.ProbeDatabaseFieldNumber = 7  [static]
```

Field number for the "probe_database" field.

#### 7.79.4.4 ProbeEntryIdsFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseRequest.ProbeEntryIdsFieldNumber = 12  [static]
```

Field number for the "probe_entry_ids" field.

#### 7.79.4.5 SearchOptionsFieldNumber

```
const int briar.BriarGrpc.SearchDatabaseRequest.SearchOptionsFieldNumber = 11  [static]
```

Field number for the "search_options" field.

### 7.79.5 Property Documentation

#### 7.79.5.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.SearchDatabaseRequest.Database  [get],
[set]
```

REQUIRED: Database to search

#### 7.79.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchDatabaseRequest.Descriptor  [static], [get]
```

#### 7.79.5.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.SearchDatabaseRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.79.5.4 Parser

```
pb.MessageParser<SearchDatabaseRequest> briar.BriarGrpc.SearchDatabaseRequest.Parser  [static],
[get]
```

#### 7.79.5.5 ProbeDatabase

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.SearchDatabaseRequest.ProbeDatabase  [get],
[set]
```

REQUIRED: probe database to to use as probe entries, instead of a BriarMedia

#### 7.79.5.6 ProbeEntryIds

```
pbc.RepeatedField<string> briar.BriarGrpc.SearchDatabaseRequest.ProbeEntryIds  [get]
```

OPTIONAL: the list of probe database entries to search.

If empty search the entire probe database.

#### 7.79.5.7 SearchOptions

```
global.briar.BriarGrpc.SearchOptions briar.BriarGrpc.SearchDatabaseRequest.SearchOptions  [get],
[set]
```

search options from the API call

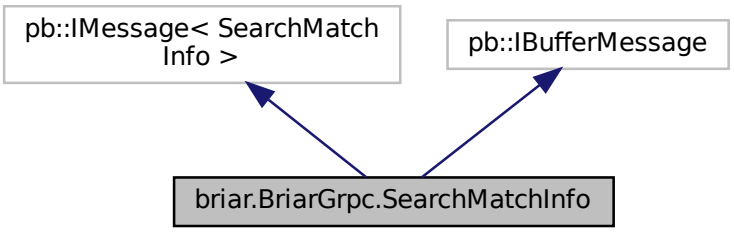
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

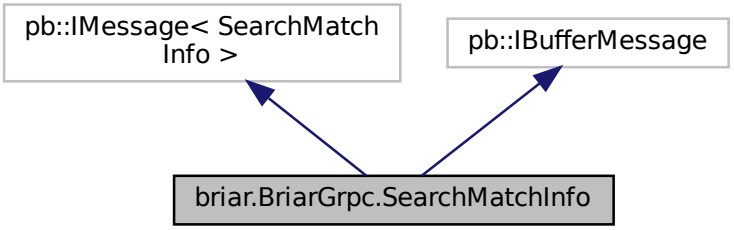
# 7.80 briar.BriarGrpc.SearchMatchInfo Class Reference

Information about a match

Inheritance diagram for briar.BriarGrpc.SearchMatchInfo:




Collaboration diagram for briar.BriarGrpc.SearchMatchInfo:




## Public Member Functions

- int CalculateSize ()
- SearchMatchInfo Clone ()
- override bool Equals (object other)
- bool Equals (SearchMatchInfo other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchMatchInfo other)
- SearchMatchInfo ()
- SearchMatchInfo (SearchMatchInfo other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int BodyFieldNumber = 12

  *Field number for the "body" field.*
- const int EntryIdGalleryFieldNumber = 9

  *Field number for the "entry_id_gallery" field.*
- const int EntryIdProbeFieldNumber = 8

  *Field number for the "entry_id_probe" field.*
- const int FaceFieldNumber = 11

  *Field number for the "face" field.*
- const int GateFieldNumber = 13

  *Field number for the "gate" field.*
- const int IntegerSubjectIdGalleryFieldNumber = 15

  *Field number for the "integer_subject_id_gallery" field.*
- const int MediaIdFieldNumber = 6

  *Field number for the "media_id" field.*
- const int ScoreFieldNumber = 1

  *Field number for the "score" field.*
- const int SubjectIdGalleryFieldNumber = 5

  *Field number for the "subject_id_gallery" field.*
- const int SubjectIdProbeFieldNumber = 4

  *Field number for the "subject_id_probe" field.*
- const int SubjectNameFieldNumber = 7

  *Field number for the "subject_name" field.*
- const int TheoreticalMaxFieldNumber = 3

  *Field number for the "theoretical_max" field.*
- const int TheoreticalMinFieldNumber = 2

  *Field number for the "theoretical_min" field.*
- const int UsesIntegerSubjectIdGalleryFieldNumber = 14

  *Field number for the "uses_integer_subject_id_gallery" field.*

## Properties

- global::briar.BriarGrpc.BriarMedia Body `[get, set]`

  *OPTIONAL: Image of Body*
- static pbr::MessageDescriptor Descriptor `[get]`
- string EntryIdGallery `[get, set]`

  *OPTIONAL: the database entry id of the gallery*
- string EntryIdProbe `[get, set]`

  *OPTIONAL: the database entry id of the probe*
- global::briar.BriarGrpc.BriarMedia Face `[get, set]`

  *OPTIONAL: Image of face*
- global::briar.BriarGrpc.BriarMedia Gate `[get, set]`

  *OPTIONAL: Image(s) of gait*
- int IntegerSubjectIdGallery `[get, set]`

  *DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form*
- string MediaId `[get, set]`

  *OPTIONAL: ID of media that probe matched to*
- static pb::MessageParser< SearchMatchInfo > Parser `[get]`
- float Score `[get, set]`

*Match Similarity*

- string SubjectIdGallery `[get, set]`

  *REQUIRED: subject ID of matched gallery subject*
- string SubjectIdProbe `[get, set]`

  *DEPRECATED AND OPTIONAL: subject ID of probe image (if known, since usually probes do not have known subjects)*
- string SubjectName `[get, set]`

  *Name of subject*
- float TheoreticalMax `[get, set]`

  *OPTIONAL: the maximum score the algorithm can return*
- float TheoreticalMin `[get, set]`

  *OPTIONAL: the minimum score that the algorithm can return*
- bool UsesIntegerSubjectIdGallery `[get, set]`

  *DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form*

## 7.80.1 Detailed Description

Information about a match

## 7.80.2 Constructor & Destructor Documentation

### 7.80.2.1 SearchMatchInfo() [1/2]

```
briar.BriarGrpc.SearchMatchInfo.SearchMatchInfo ( )  [inline]
```

### 7.80.2.2 SearchMatchInfo() [2/2]

```
briar.BriarGrpc.SearchMatchInfo.SearchMatchInfo (
            SearchMatchInfo other )  [inline]
```

## 7.80.3 Member Function Documentation

### 7.80.3.1 CalculateSize()

```
int briar.BriarGrpc.SearchMatchInfo.CalculateSize ( )  [inline]
```

#### 7.80.3.2 Clone()

```
SearchMatchInfo briar.BriarGrpc.SearchMatchInfo.Clone ( )  [inline]
```

#### 7.80.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchMatchInfo.Equals (
            object other )  [inline]
```

#### 7.80.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchMatchInfo.Equals (
            SearchMatchInfo other )  [inline]
```

#### 7.80.3.5 GetHashCode()

```
override int briar.BriarGrpc.SearchMatchInfo.GetHashCode ( )  [inline]
```

#### 7.80.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchMatchInfo.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.80.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchMatchInfo.MergeFrom (
            SearchMatchInfo other )  [inline]
```

#### 7.80.3.8 ToString()

```
override string briar.BriarGrpc.SearchMatchInfo.ToString ( )  [inline]
```

#### 7.80.3.9 WriteTo()

```
void briar.BriarGrpc.SearchMatchInfo.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.80.4 Member Data Documentation

#### 7.80.4.1 BodyFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.BodyFieldNumber = 12  [static]
```

Field number for the "body" field.

#### 7.80.4.2 EntryIdGalleryFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.EntryIdGalleryFieldNumber = 9  [static]
```

Field number for the "entry_id_gallery" field.

#### 7.80.4.3 EntryIdProbeFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.EntryIdProbeFieldNumber = 8  [static]
```

Field number for the "entry_id_probe" field.

#### 7.80.4.4 FaceFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.FaceFieldNumber = 11  [static]
```

Field number for the "face" field.

#### 7.80.4.5 GateFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.GateFieldNumber = 13  [static]
```

Field number for the "gate" field.

#### 7.80.4.6 IntegerSubjectIdGalleryFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.IntegerSubjectIdGalleryFieldNumber = 15  [static]
```

Field number for the "integer_subject_id_gallery" field.

#### 7.80.4.7 MediaIdFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.MediaIdFieldNumber = 6  [static]
```

Field number for the "media_id" field.

#### 7.80.4.8 ScoreFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.ScoreFieldNumber = 1  [static]
```

Field number for the "score" field.

#### 7.80.4.9 SubjectIdGalleryFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.SubjectIdGalleryFieldNumber = 5  [static]
```

Field number for the "subject_id_gallery" field.

#### 7.80.4.10 SubjectIdProbeFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.SubjectIdProbeFieldNumber = 4  [static]
```

Field number for the "subject_id_probe" field.

#### 7.80.4.11 SubjectNameFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.SubjectNameFieldNumber = 7  [static]
```

Field number for the "subject_name" field.

#### 7.80.4.12 TheoreticalMaxFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.TheoreticalMaxFieldNumber = 3  [static]
```

Field number for the "theoretical_max" field.

#### 7.80.4.13 TheoreticalMinFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.TheoreticalMinFieldNumber = 2  [static]
```

Field number for the "theoretical_min" field.

#### 7.80.4.14 UsesIntegerSubjectIdGalleryFieldNumber

```
const int briar.BriarGrpc.SearchMatchInfo.UsesIntegerSubjectIdGalleryFieldNumber = 14  [static]
```

Field number for the "uses_integer_subject_id_gallery" field.

### 7.80.5 Property Documentation

#### 7.80.5.1 Body

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.SearchMatchInfo.Body  [get], [set]
```

OPTIONAL: Image of Body

#### 7.80.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchMatchInfo.Descriptor  [static], [get]
```

#### 7.80.5.3 EntryIdGallery

```
string briar.BriarGrpc.SearchMatchInfo.EntryIdGallery  [get], [set]
```

OPTIONAL: the database entry id of the gallery

#### 7.80.5.4 EntryIdProbe

```
string briar.BriarGrpc.SearchMatchInfo.EntryIdProbe  [get], [set]
```

OPTIONAL: the database entry id of the probe

#### 7.80.5.5 Face

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.SearchMatchInfo.Face  [get], [set]
```

OPTIONAL: Image of face

#### 7.80.5.6 Gate

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.SearchMatchInfo.Gate  [get], [set]
```

OPTIONAL: Image(s) of gait

#### 7.80.5.7 IntegerSubjectIdGallery

```
int briar.BriarGrpc.SearchMatchInfo.IntegerSubjectIdGallery  [get], [set]
```

DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form

#### 7.80.5.8 MediaId

```
string briar.BriarGrpc.SearchMatchInfo.MediaId  [get], [set]
```

OPTIONAL: ID of media that probe matched to

#### 7.80.5.9 Parser

```
pb.MessageParser<SearchMatchInfo> briar.BriarGrpc.SearchMatchInfo.Parser  [static], [get]
```

#### 7.80.5.10 Score

```
float briar.BriarGrpc.SearchMatchInfo.Score  [get], [set]
```

Match Similarity

#### 7.80.5.11 SubjectIdGallery

```
string briar.BriarGrpc.SearchMatchInfo.SubjectIdGallery  [get], [set]
```

REQUIRED: subject ID of matched gallery subject

#### 7.80.5.12 SubjectIdProbe

```
string briar.BriarGrpc.SearchMatchInfo.SubjectIdProbe  [get], [set]
```

DEPRECATED AND OPTIONAL: subject ID of probe image (if known, since usually probes do not have known subjects)

#### 7.80.5.13 SubjectName

```
string briar.BriarGrpc.SearchMatchInfo.SubjectName  [get], [set]
```

Name of subject

#### 7.80.5.14 TheoreticalMax

```
float briar.BriarGrpc.SearchMatchInfo.TheoreticalMax  [get], [set]
```

OPTIONAL: the maximum score the algorithm can return

#### 7.80.5.15 TheoreticalMin

```
float briar.BriarGrpc.SearchMatchInfo.TheoreticalMin  [get], [set]
```

OPTIONAL: the minimum score that the algorithm can return

#### 7.80.5.16 UsesIntegerSubjectIdGallery

```
bool briar.BriarGrpc.SearchMatchInfo.UsesIntegerSubjectIdGallery  [get], [set]
```

DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form

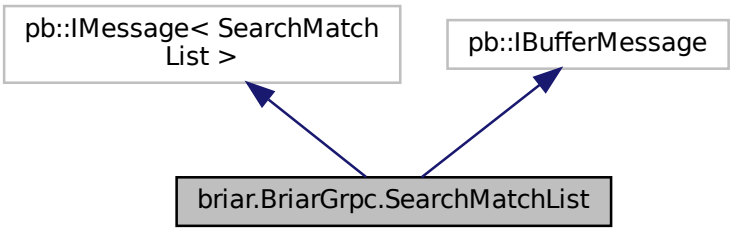
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

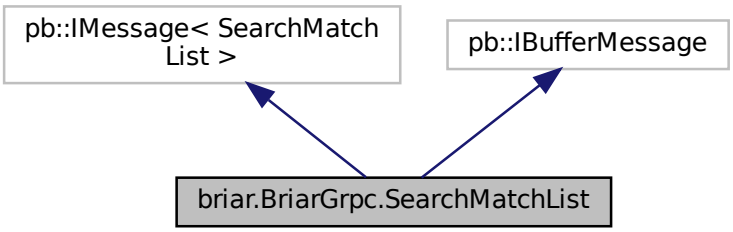
## 7.81 briar.BriarGrpc.SearchMatchList Class Reference

List of matches

Inheritance diagram for briar.BriarGrpc.SearchMatchList:




Collaboration diagram for briar.BriarGrpc.SearchMatchList:



## Public Member Functions

- int CalculateSize ()
- SearchMatchList Clone ()
- override bool Equals (object other)
- bool Equals (SearchMatchList other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchMatchList other)
- SearchMatchList ()
- SearchMatchList (SearchMatchList other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int MatchListFieldNumber = 1

  *Field number for the "match_list" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.SearchMatchInfo > MatchList `[get]`

  *REQUIRED: List of search matches in SORTED ORDER*
- static pb::MessageParser< SearchMatchList > Parser `[get]`

### 7.81.1 Detailed Description

List of matches

### 7.81.2 Constructor & Destructor Documentation

#### 7.81.2.1 SearchMatchList() [1/2]

```
briar.BriarGrpc.SearchMatchList.SearchMatchList ( )  [inline]
```

#### 7.81.2.2 SearchMatchList() [2/2]

```
briar.BriarGrpc.SearchMatchList.SearchMatchList (
            SearchMatchList other )  [inline]
```

## 7.81.3 Member Function Documentation

### 7.81.3.1 CalculateSize()

```
int briar.BriarGrpc.SearchMatchList.CalculateSize ( )  [inline]
```

### 7.81.3.2 Clone()

```
SearchMatchList briar.BriarGrpc.SearchMatchList.Clone ( )  [inline]
```

### 7.81.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchMatchList.Equals (
            object other )  [inline]
```

### 7.81.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchMatchList.Equals (
            SearchMatchList other )  [inline]
```

### 7.81.3.5 GetHashCode()

```
override int briar.BriarGrpc.SearchMatchList.GetHashCode ( )  [inline]
```

### 7.81.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchMatchList.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.81.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchMatchList.MergeFrom (
            SearchMatchList other )  [inline]
```

#### 7.81.3.8 ToString()

```
override string briar.BriarGrpc.SearchMatchList.ToString ( )  [inline]
```

#### 7.81.3.9 WriteTo()

```
void briar.BriarGrpc.SearchMatchList.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.81.4 Member Data Documentation

#### 7.81.4.1 MatchListFieldNumber

```
const int briar.BriarGrpc.SearchMatchList.MatchListFieldNumber = 1  [static]
```

Field number for the "match_list" field.

### 7.81.5 Property Documentation

#### 7.81.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchMatchList.Descriptor  [static], [get]
```

#### 7.81.5.2 MatchList

```
pbc.RepeatedField<global.briar.BriarGrpc.SearchMatchInfo> briar.BriarGrpc.SearchMatchList.↩
MatchList  [get]
```

REQUIRED: List of search matches in SORTED ORDER

#### 7.81.5.3 Parser

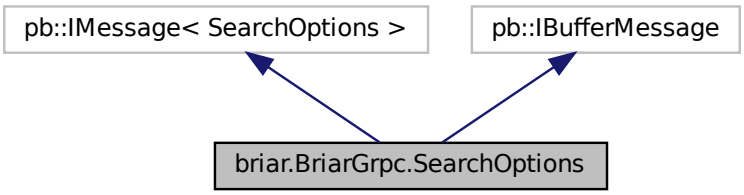
```
pb.MessageParser<SearchMatchList> briar.BriarGrpc.SearchMatchList.Parser  [static], [get]
```

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

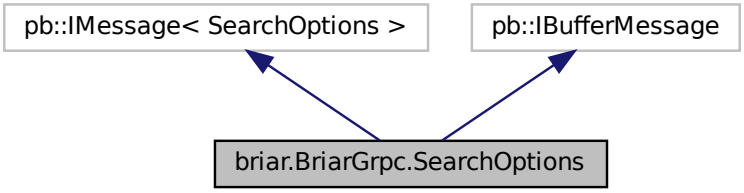
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.82 briar.BriarGrpc.SearchOptions Class Reference

Inheritance diagram for briar.BriarGrpc.SearchOptions:




Collaboration diagram for briar.BriarGrpc.SearchOptions:




### Public Member Functions

- int CalculateSize ()
- SearchOptions Clone ()
- override bool Equals (object other)
- bool Equals (SearchOptions other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchOptions other)
- SearchOptions ()
- SearchOptions (SearchOptions other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int FlagFieldNumber = 10

  *Field number for the "flag" field.*
- const int FullFieldNumber = 13

  *Field number for the "full" field.*
- const int MaxResultsFieldNumber = 6

  *Field number for the "max_results" field.*
- const int ModalityFieldNumber = 12

  *Field number for the "modality" field.*
- const int OutDirFieldNumber = 1

  *Field number for the "out_dir" field.*
- const int OutputTypeFieldNumber = 2

  *Field number for the "output_type" field.*
- const int ProbeDatabaseFieldNumber = 4

  *Field number for the "probe_database" field.*
- const int ReturnMatrixFieldNumber = 14

  *Field number for the "return_matrix" field.*
- const int ReturnMediaFieldNumber = 11

  *Field number for the "return_media" field.*
- const int SearchBatchFieldNumber = 7

  *Field number for the "search_batch" field.*
- const int SearchDatabaseFieldNumber = 3

  *Field number for the "search_database" field.*
- const int SearchThresholdFieldNumber = 5

  *Field number for the "search_threshold" field.*
- const int UseDetectionsFieldNumber = 8

  *Field number for the "use_detections" field.*
- const int UseTemplatesFieldNumber = 9

  *Field number for the "use_templates" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.SearchFlags Flag `[get, set]`
- global::briar.BriarGrpc.BoolOption Full `[get, set]`

  *OPTIONAL: to perform a full MxN search instead of a K-core search*
- global::briar.BriarGrpc.IntOption MaxResults `[get, set]`

  *OPTIONAL: Maximum number of results per probe.*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *REQUIRED: If specified use this modality for search operations.*
- global::briar.BriarGrpc.StringOption OutDir `[get, set]`

  *Defines options to use for search operations.*
- global::briar.BriarGrpc.StringOption OutputType `[get, set]`

  *DEPRICATED: ???.*
- static pb::MessageParser< SearchOptions > Parser `[get]`
- global::briar.BriarGrpc.StringOption ProbeDatabase `[get, set]`

  *DEPRICATED: Already in search request.*
- global::briar.BriarGrpc.BoolOption ReturnMatrix `[get, set]`

  *OPTIONAL: to return the search matrix instead matchresults*

- global::briar.BriarGrpc.BoolOption ReturnMedia [get, set]

  *OPTIONAL: Should we return media (e.i.*
- global::briar.BriarGrpc.IntOption SearchBatch [get, set]

  *DEPRICATED: ???.*
- global::briar.BriarGrpc.StringOption SearchDatabase [get, set]

  *DEPRICATED: Already in search request.*
- global::briar.BriarGrpc.FloatOption SearchThreshold [get, set]

  *OPTIONAL: Exclude search results below this threshold.*
- global::briar.BriarGrpc.BoolOption UseDetections [get, set]
- global::briar.BriarGrpc.BoolOption UseTemplates [get, set]

### 7.82.1 Constructor & Destructor Documentation

#### 7.82.1.1 SearchOptions() [1/2]

```
briar.BriarGrpc.SearchOptions.SearchOptions ( ) [inline]
```

#### 7.82.1.2 SearchOptions() [2/2]

```
briar.BriarGrpc.SearchOptions.SearchOptions (
            SearchOptions other ) [inline]
```

### 7.82.2 Member Function Documentation

#### 7.82.2.1 CalculateSize()

```
int briar.BriarGrpc.SearchOptions.CalculateSize ( ) [inline]
```

#### 7.82.2.2 Clone()

```
SearchOptions briar.BriarGrpc.SearchOptions.Clone ( ) [inline]
```

#### 7.82.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchOptions.Equals (
            object other )  [inline]
```

#### 7.82.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchOptions.Equals (
            SearchOptions other )  [inline]
```

#### 7.82.2.5 GetHashCode()

```
override int briar.BriarGrpc.SearchOptions.GetHashCode ( )  [inline]
```

#### 7.82.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.82.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchOptions.MergeFrom (
            SearchOptions other )  [inline]
```

#### 7.82.2.8 ToString()

```
override string briar.BriarGrpc.SearchOptions.ToString ( )  [inline]
```

#### 7.82.2.9 WriteTo()

```
void briar.BriarGrpc.SearchOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.82.3 Member Data Documentation

#### 7.82.3.1 FlagFieldNumber

```
const int briar.BriarGrpc.SearchOptions.FlagFieldNumber = 10  [static]
```

Field number for the "flag" field.

#### 7.82.3.2 FullFieldNumber

```
const int briar.BriarGrpc.SearchOptions.FullFieldNumber = 13  [static]
```

Field number for the "full" field.

#### 7.82.3.3 MaxResultsFieldNumber

```
const int briar.BriarGrpc.SearchOptions.MaxResultsFieldNumber = 6  [static]
```

Field number for the "max_results" field.

#### 7.82.3.4 ModalityFieldNumber

```
const int briar.BriarGrpc.SearchOptions.ModalityFieldNumber = 12  [static]
```

Field number for the "modality" field.

#### 7.82.3.5 OutDirFieldNumber

```
const int briar.BriarGrpc.SearchOptions.OutDirFieldNumber = 1  [static]
```

Field number for the "out_dir" field.

#### 7.82.3.6 OutputTypeFieldNumber

```
const int briar.BriarGrpc.SearchOptions.OutputTypeFieldNumber = 2  [static]
```

Field number for the "output_type" field.

#### 7.82.3.7 ProbeDatabaseFieldNumber

```
const int briar.BriarGrpc.SearchOptions.ProbeDatabaseFieldNumber = 4  [static]
```

Field number for the "probe_database" field.

#### 7.82.3.8 ReturnMatrixFieldNumber

```
const int briar.BriarGrpc.SearchOptions.ReturnMatrixFieldNumber = 14  [static]
```

Field number for the "return_matrix" field.

#### 7.82.3.9 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.SearchOptions.ReturnMediaFieldNumber = 11  [static]
```

Field number for the "return_media" field.

#### 7.82.3.10 SearchBatchFieldNumber

```
const int briar.BriarGrpc.SearchOptions.SearchBatchFieldNumber = 7  [static]
```

Field number for the "search_batch" field.

#### 7.82.3.11 SearchDatabaseFieldNumber

```
const int briar.BriarGrpc.SearchOptions.SearchDatabaseFieldNumber = 3  [static]
```

Field number for the "search_database" field.

#### 7.82.3.12 SearchThresholdFieldNumber

```
const int briar.BriarGrpc.SearchOptions.SearchThresholdFieldNumber = 5  [static]
```

Field number for the "search_threshold" field.

#### 7.82.3.13 UseDetectionsFieldNumber

```
const int briar.BriarGrpc.SearchOptions.UseDetectionsFieldNumber = 8  [static]
```

Field number for the "use_detections" field.

#### 7.82.3.14 UseTemplatesFieldNumber

```
const int briar.BriarGrpc.SearchOptions.UseTemplatesFieldNumber = 9  [static]
```

Field number for the "use_templates" field.

### 7.82.4 Property Documentation

#### 7.82.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchOptions.Descriptor  [static], [get]
```

#### 7.82.4.2 Flag

```
global.briar.BriarGrpc.SearchFlags briar.BriarGrpc.SearchOptions.Flag  [get], [set]
```

#### 7.82.4.3 Full

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.SearchOptions.Full  [get], [set]
```

OPTIONAL: to perform a full MxN search instead of a K-core search

#### 7.82.4.4 MaxResults

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.SearchOptions.MaxResults  [get], [set]
```

OPTIONAL: Maximum number of results per probe.

#### 7.82.4.5 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.SearchOptions.Modality  [get], [set]
```

REQUIRED: If specified use this modality for search operations.

If "UNSPECIFIED" fuse modalities together.

#### 7.82.4.6 OutDir

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.SearchOptions.OutDir  [get], [set]
```

Defines options to use for search operations.

#### 7.82.4.7 OutputType

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.SearchOptions.OutputType  [get], [set]
```

DEPRICATED: ???.

Output the search logs

#### 7.82.4.8 Parser

```
pb.MessageParser<SearchOptions> briar.BriarGrpc.SearchOptions.Parser  [static], [get]
```

#### 7.82.4.9 ProbeDatabase

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.SearchOptions.ProbeDatabase  [get], [set]
```

DEPRICATED: Already in search request.

The database name to be used as the probe database (if none, it will not be used)

#### 7.82.4.10 ReturnMatrix

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.SearchOptions.ReturnMatrix [get], [set]
```

OPTIONAL: to return the search matrix instead matchresults

#### 7.82.4.11 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.SearchOptions.ReturnMedia [get], [set]
```

OPTIONAL: Should we return media (e.i.

cropped images) related to the detections back to the client?

#### 7.82.4.12 SearchBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.SearchOptions.SearchBatch [get], [set]
```

DEPRICATED: ???.

batch size for search processes

#### 7.82.4.13 SearchDatabase

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.SearchOptions.SearchDatabase [get], [set]
```

DEPRICATED: Already in search request.

The database name to be used as the gallery/search database

#### 7.82.4.14 SearchThreshold

```
global.briar.BriarGrpc.FloatOption briar.BriarGrpc.SearchOptions.SearchThreshold [get], [set]
```

OPTIONAL: Exclude search results below this threshold.

Server should select a reasonable default if missing.

#### 7.82.4.15 UseDetections

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.SearchOptions.UseDetections [get], [set]
```

#### 7.82.4.16 UseTemplates

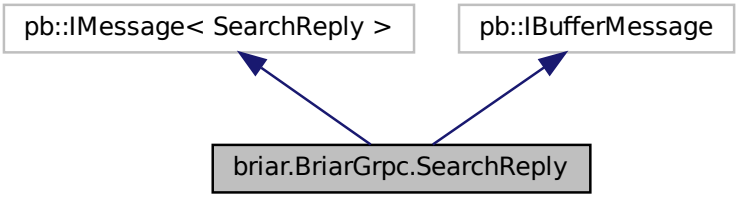
```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.SearchOptions.UseTemplates  [get], [set]
```

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

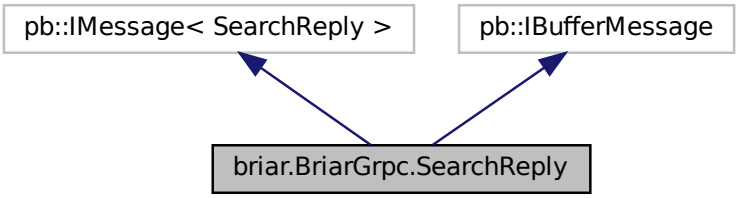
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.83 briar.BriarGrpc.SearchReply Class Reference

Inheritance diagram for briar.BriarGrpc.SearchReply:




Collaboration diagram for briar.BriarGrpc.SearchReply:




### Public Member Functions

- int CalculateSize ()
- SearchReply Clone ()
- override bool Equals (object other)
- bool Equals (SearchReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchReply other)
- SearchReply ()
- SearchReply (SearchReply other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectReplyFieldNumber = 4

  *Field number for the "detect_reply" field.*
- const int DurationsFieldNumber = 3

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 6

  *Field number for the "errors" field.*
- const int ExtractReplyFieldNumber = 5

  *Field number for the "extract_reply" field.*
- const int ProbeDetectionsFieldNumber = 2

  *Field number for the "probe_detections" field.*
- const int ProgressFieldNumber = 7

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 8

  *Field number for the "progress_only_reply" field.*
- const int SimilaritiesFieldNumber = 1

  *Field number for the "similarities" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectReply DetectReply `[get, set]`

  *OPTIONAL: A detect reply to be populated if the service is sending intermediate detection results back to the client*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- global::briar.BriarGrpc.ExtractReply ExtractReply `[get, set]`

  *OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client*
- static pb::MessageParser< SearchReply > Parser `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > ProbeDetections `[get]`

  *OPTIONAL: Return: In the case of multiple probes within a single image, A list of detection locations on the probe image that the matchlists belong to*
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- pbc::RepeatedField< global::briar.BriarGrpc.SearchMatchList > Similarities `[get]`

  *REQUIRED: Return: List list of similarities (results).*

### 7.83.1 Constructor & Destructor Documentation

#### 7.83.1.1 SearchReply() [1/2]

```
briar.BriarGrpc.SearchReply.SearchReply ( )  [inline]
```

#### 7.83.1.2 SearchReply() [2/2]

```
briar.BriarGrpc.SearchReply.SearchReply (
            SearchReply other )  [inline]
```

### 7.83.2 Member Function Documentation

#### 7.83.2.1 CalculateSize()

```
int briar.BriarGrpc.SearchReply.CalculateSize ( )  [inline]
```

#### 7.83.2.2 Clone()

```
SearchReply briar.BriarGrpc.SearchReply.Clone ( )  [inline]
```

#### 7.83.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchReply.Equals (
            object other )  [inline]
```

#### 7.83.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchReply.Equals (
            SearchReply other )  [inline]
```

#### 7.83.2.5 GetHashCode()

```
override int briar.BriarGrpc.SearchReply.GetHashCode ( )  [inline]
```

#### 7.83.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.83.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchReply.MergeFrom (
            SearchReply other )  [inline]
```

#### 7.83.2.8 ToString()

```
override string briar.BriarGrpc.SearchReply.ToString ( )  [inline]
```

#### 7.83.2.9 WriteTo()

```
void briar.BriarGrpc.SearchReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.83.3 Member Data Documentation

#### 7.83.3.1 DetectReplyFieldNumber

```
const int briar.BriarGrpc.SearchReply.DetectReplyFieldNumber = 4  [static]
```

Field number for the "detect_reply" field.

#### 7.83.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.SearchReply.DurationsFieldNumber = 3  [static]
```

Field number for the "durations" field.

#### 7.83.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.SearchReply.ErrorsFieldNumber = 6  [static]
```

Field number for the "errors" field.

#### 7.83.3.4 ExtractReplyFieldNumber

```
const int briar.BriarGrpc.SearchReply.ExtractReplyFieldNumber = 5  [static]
```

Field number for the "extract_reply" field.

#### 7.83.3.5 ProbeDetectionsFieldNumber

```
const int briar.BriarGrpc.SearchReply.ProbeDetectionsFieldNumber = 2  [static]
```

Field number for the "probe_detections" field.

#### 7.83.3.6 ProgressFieldNumber

```
const int briar.BriarGrpc.SearchReply.ProgressFieldNumber = 7  [static]
```

Field number for the "progress" field.

#### 7.83.3.7 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.SearchReply.ProgressOnlyReplyFieldNumber = 8  [static]
```

Field number for the "progress_only_reply" field.

#### 7.83.3.8 SimilaritiesFieldNumber

```
const int briar.BriarGrpc.SearchReply.SimilaritiesFieldNumber = 1  [static]
```

Field number for the "similarities" field.

### 7.83.4 Property Documentation

#### 7.83.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchReply.Descriptor  [static], [get]
```

#### 7.83.4.2 DetectReply

```
global.briar.BriarGrpc.DetectReply briar.BriarGrpc.SearchReply.DetectReply  [get], [set]
```

OPTIONAL: A detect reply to be populated if the service is sending intermediate detection results back to the client

#### 7.83.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.SearchReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.83.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.SearchReply.Errors  [get], [set]
```

#### 7.83.4.5 ExtractReply

```
global.briar.BriarGrpc.ExtractReply briar.BriarGrpc.SearchReply.ExtractReply  [get], [set]
```

OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client

#### 7.83.4.6 Parser

```
pb.MessageParser<SearchReply> briar.BriarGrpc.SearchReply.Parser  [static], [get]
```

#### 7.83.4.7 ProbeDetections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.SearchReply.ProbeDetections
[get]
```

OPTIONAL: Return: In the case of multiple probes within a single image, A list of detection locations on the probe image that the matchlists belong to

#### 7.83.4.8 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.SearchReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.83.4.9 ProgressOnlyReply

```
bool briar.BriarGrpc.SearchReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.83.4.10 Similarities

```
pbc.RepeatedField<global.briar.BriarGrpc.SearchMatchList> briar.BriarGrpc.SearchReply.Similarities
[get]
```

REQUIRED: Return: List list of similarities (results).

There should be one SearchMatchList per detected entity within the probe

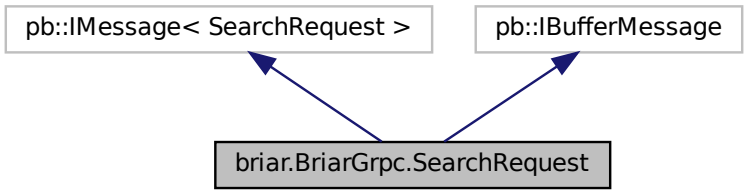
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

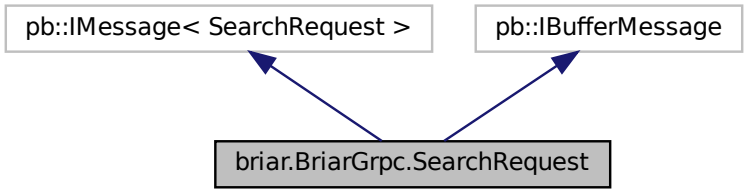
## 7.84 briar.BriarGrpc.SearchRequest Class Reference

There are three options on how to run a search.

Inheritance diagram for briar.BriarGrpc.SearchRequest:



Collaboration diagram for briar.BriarGrpc.SearchRequest:




## Public Member Functions

- int CalculateSize ()
- SearchRequest Clone ()
- override bool Equals (object other)
- bool Equals (SearchRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (SearchRequest other)
- SearchRequest ()
- SearchRequest (SearchRequest other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DatabaseFieldNumber = 4

  *Field number for the "database" field.*
- const int DetectionsFieldNumber = 2

  *Field number for the "detections" field.*
- const int DetectOptionsFieldNumber = 9

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 8

  *Field number for the "durations" field.*
- const int ExtractOptionsFieldNumber = 10

  *Field number for the "extract_options" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int ProbesFieldNumber = 3

  *Field number for the "probes" field.*
- const int SearchOptionsFieldNumber = 11

  *Field number for the "search_options" field.*

## Properties

- global::briar.BriarGrpc.BriarDatabase Database `[get, set]`

  *REQUIRED: Database to search*
- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *OPTIONAL: Detection to extract probe template from*
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.ExtractOptions ExtractOptions `[get, set]`
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *SELECTION 1: Image to extract probe template from*
- static pb::MessageParser< SearchRequest > Parser `[get]`
- global::briar.BriarGrpc.TemplateList Probes `[get, set]`

  *SELECTION 2: Templates to search*
- global::briar.BriarGrpc.SearchOptions SearchOptions `[get, set]`

### 7.84.1 Detailed Description

There are three options on how to run a search.

Selection 1) Supply probe media and search for any people detected. Selection 2) Supply previously extracted templates. Selection 3) Supply a previously extracted database and search for probes in that database.

### 7.84.2 Constructor & Destructor Documentation

#### 7.84.2.1 SearchRequest() [1/2]

```
briar.BriarGrpc.SearchRequest.SearchRequest ( )  [inline]
```

#### 7.84.2.2 SearchRequest() [2/2]

```
briar.BriarGrpc.SearchRequest.SearchRequest (
            SearchRequest other )  [inline]
```

### 7.84.3 Member Function Documentation

#### 7.84.3.1 CalculateSize()

```
int briar.BriarGrpc.SearchRequest.CalculateSize ( )  [inline]
```

#### 7.84.3.2 Clone()

```
SearchRequest briar.BriarGrpc.SearchRequest.Clone ( )  [inline]
```

#### 7.84.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.SearchRequest.Equals (
            object other )  [inline]
```

#### 7.84.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.SearchRequest.Equals (
            SearchRequest other )  [inline]
```

#### 7.84.3.5 GetHashCode()

```
override int briar.BriarGrpc.SearchRequest.GetHashCode ( )  [inline]
```

#### 7.84.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.SearchRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.84.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.SearchRequest.MergeFrom (
            SearchRequest other )  [inline]
```

#### 7.84.3.8 ToString()

```
override string briar.BriarGrpc.SearchRequest.ToString ( )  [inline]
```

#### 7.84.3.9 WriteTo()

```
void briar.BriarGrpc.SearchRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.84.4 Member Data Documentation

#### 7.84.4.1 DatabaseFieldNumber

```
const int briar.BriarGrpc.SearchRequest.DatabaseFieldNumber = 4  [static]
```

Field number for the "database" field.

#### 7.84.4.2 DetectionsFieldNumber

```
const int briar.BriarGrpc.SearchRequest.DetectionsFieldNumber = 2  [static]
```

Field number for the "detections" field.

#### 7.84.4.3 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.SearchRequest.DetectOptionsFieldNumber = 9  [static]
```

Field number for the "detect_options" field.

#### 7.84.4.4 DurationsFieldNumber

```
const int briar.BriarGrpc.SearchRequest.DurationsFieldNumber = 8  [static]
```

Field number for the "durations" field.

#### 7.84.4.5 ExtractOptionsFieldNumber

```
const int briar.BriarGrpc.SearchRequest.ExtractOptionsFieldNumber = 10  [static]
```

Field number for the "extract_options" field.

#### 7.84.4.6 MediaFieldNumber

```
const int briar.BriarGrpc.SearchRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.84.4.7 ProbesFieldNumber

```
const int briar.BriarGrpc.SearchRequest.ProbesFieldNumber = 3  [static]
```

Field number for the "probes" field.

#### 7.84.4.8 SearchOptionsFieldNumber

```
const int briar.BriarGrpc.SearchRequest.SearchOptionsFieldNumber = 11  [static]
```

Field number for the "search_options" field.

### 7.84.5 Property Documentation

#### 7.84.5.1 Database

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.SearchRequest.Database  [get], [set]
```

REQUIRED: Database to search

#### 7.84.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.SearchRequest.Descriptor  [static], [get]
```

#### 7.84.5.3 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.SearchRequest.Detections
[get]
```

OPTIONAL: Detection to extract probe template from

#### 7.84.5.4 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.SearchRequest.DetectOptions  [get],
[set]
```

#### 7.84.5.5 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.SearchRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.84.5.6 ExtractOptions

```
global.briar.BriarGrpc.ExtractOptions briar.BriarGrpc.SearchRequest.ExtractOptions  [get],
[set]
```

#### 7.84.5.7 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.SearchRequest.Media  [get], [set]
```

SELECTION 1: Image to extract probe template from

#### 7.84.5.8 Parser

```
pb.MessageParser<SearchRequest> briar.BriarGrpc.SearchRequest.Parser  [static], [get]
```

#### 7.84.5.9 Probes

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.SearchRequest.Probes  [get], [set]
```

SELECTION 2: Templates to search

#### 7.84.5.10 SearchOptions

```
global.briar.BriarGrpc.SearchOptions briar.BriarGrpc.SearchRequest.SearchOptions  [get], [set]
```

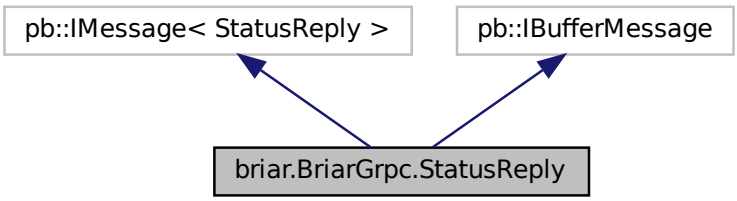
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

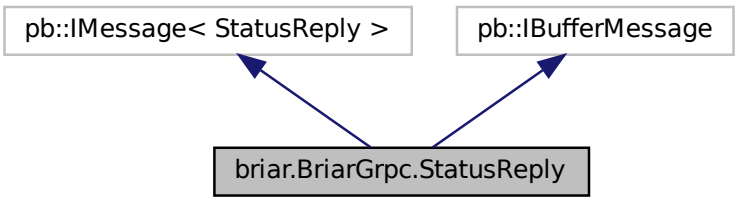
## 7.85 briar.BriarGrpc.StatusReply Class Reference

Returns basic status and information on the service and its version as well as additional options and features supported.

Inheritance diagram for briar.BriarGrpc.StatusReply:




Collaboration diagram for briar.BriarGrpc.StatusReply:



## Public Member Functions

- int CalculateSize ()
- StatusReply Clone ()
- override bool Equals (object other)
- bool Equals (StatusReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (StatusReply other)
- StatusReply ()
- StatusReply (StatusReply other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ApiVersionFieldNumber = 5

  *Field number for the "api_version" field.*
- const int ConfigurationFieldNumber = 7

  *Field number for the "configuration" field.*
- const int DeveloperNameFieldNumber = 1

  *Field number for the "developer_name" field.*
- const int DevShortFieldNumber = 2

  *Field number for the "dev_short" field.*
- const int ServiceNameFieldNumber = 3

  *Field number for the "service_name" field.*
- const int StatusFieldNumber = 6

  *Field number for the "status" field.*
- const int VersionFieldNumber = 4

  *Field number for the "version" field.*

## Properties

- global::briar.BriarGrpc.APIVersion ApiVersion `[get, set]`

  *REQUIRED: The specific version for this service.*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Configuration `[get]`

  *Optional features or options that can be communicated to clients.*
- static pbr::MessageDescriptor Descriptor `[get]`
- string DeveloperName `[get, set]`

  *REQUIRED: The name of the developer of the service.*
- string DevShort `[get, set]`

  *OPTIONAL: The shortened or abreviated name of name of the developer of the service.*
- static pb::MessageParser< StatusReply > Parser `[get]`
- string ServiceName `[get, set]`

  *REQUIRED: The name of the service software.*
- global::briar.BriarGrpc.BriarServiceStatus Status `[get, set]`

  *REQUIRED: Used to communicate the status of the service.*
- global::briar.BriarGrpc.APIVersion Version `[get, set]`

  *REQUIRED: The specific version for this service.*

### 7.85.1 Detailed Description

Returns basic status and information on the service and its version as well as additional options and features supported.

### 7.85.2 Constructor & Destructor Documentation

#### 7.85.2.1 StatusReply() [1/2]

```
briar.BriarGrpc.StatusReply.StatusReply ( )  [inline]
```

#### 7.85.2.2 StatusReply() [2/2]

```
briar.BriarGrpc.StatusReply.StatusReply (
            StatusReply other )  [inline]
```

### 7.85.3 Member Function Documentation

#### 7.85.3.1 CalculateSize()

```
int briar.BriarGrpc.StatusReply.CalculateSize ( )  [inline]
```

#### 7.85.3.2 Clone()

```
StatusReply briar.BriarGrpc.StatusReply.Clone ( )  [inline]
```

#### 7.85.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.StatusReply.Equals (
            object other )  [inline]
```

#### 7.85.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.StatusReply.Equals (
            StatusReply other )  [inline]
```

#### 7.85.3.5 GetHashCode()

```
override int briar.BriarGrpc.StatusReply.GetHashCode ( )  [inline]
```

#### 7.85.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.StatusReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.85.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.StatusReply.MergeFrom (
            StatusReply other )  [inline]
```

#### 7.85.3.8 ToString()

```
override string briar.BriarGrpc.StatusReply.ToString ( )  [inline]
```

#### 7.85.3.9 WriteTo()

```
void briar.BriarGrpc.StatusReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.85.4 Member Data Documentation

#### 7.85.4.1 ApiVersionFieldNumber

```
const int briar.BriarGrpc.StatusReply.ApiVersionFieldNumber = 5  [static]
```

Field number for the "api_version" field.

#### 7.85.4.2 ConfigurationFieldNumber

```
const int briar.BriarGrpc.StatusReply.ConfigurationFieldNumber = 7  [static]
```

Field number for the "configuration" field.

#### 7.85.4.3 DeveloperNameFieldNumber

```
const int briar.BriarGrpc.StatusReply.DeveloperNameFieldNumber = 1  [static]
```

Field number for the "developer_name" field.

#### 7.85.4.4 DevShortFieldNumber

```
const int briar.BriarGrpc.StatusReply.DevShortFieldNumber = 2  [static]
```

Field number for the "dev_short" field.

#### 7.85.4.5 ServiceNameFieldNumber

```
const int briar.BriarGrpc.StatusReply.ServiceNameFieldNumber = 3  [static]
```

Field number for the "service_name" field.

#### 7.85.4.6 StatusFieldNumber

```
const int briar.BriarGrpc.StatusReply.StatusFieldNumber = 6  [static]
```

Field number for the "status" field.

#### 7.85.4.7 VersionFieldNumber

```
const int briar.BriarGrpc.StatusReply.VersionFieldNumber = 4  [static]
```

Field number for the "version" field.

### 7.85.5 Property Documentation

#### 7.85.5.1 ApiVersion

```
global.briar.BriarGrpc.APIVersion briar.BriarGrpc.StatusReply.ApiVersion  [get], [set]
```

REQUIRED: The specific version for this service.

#### 7.85.5.2 Configuration

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.StatusReply.Configuration
[get]
```

Optional features or options that can be communicated to clients.

This could communicate prefereces or settings for the service and additional metadata.

#### 7.85.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.StatusReply.Descriptor  [static], [get]
```

#### 7.85.5.4 DeveloperName

```
string briar.BriarGrpc.StatusReply.DeveloperName  [get], [set]
```

REQUIRED: The name of the developer of the service.

#### 7.85.5.5 DevShort

```
string briar.BriarGrpc.StatusReply.DevShort  [get], [set]
```

OPTIONAL: The shortened or abreviated name of name of the developer of the service.

#### 7.85.5.6 Parser

```
pb.MessageParser<StatusReply> briar.BriarGrpc.StatusReply.Parser  [static], [get]
```

#### 7.85.5.7 ServiceName

```
string briar.BriarGrpc.StatusReply.ServiceName  [get], [set]
```

REQUIRED: The name of the service software.

#### 7.85.5.8 Status

```
global.briar.BriarGrpc.BriarServiceStatus briar.BriarGrpc.StatusReply.Status  [get], [set]
```

REQUIRED: Used to communicate the status of the service.

This should typically return READY.

#### 7.85.5.9 Version

```
global.briar.BriarGrpc.APIVersion briar.BriarGrpc.StatusReply.Version  [get], [set]
```

REQUIRED: The specific version for this service.

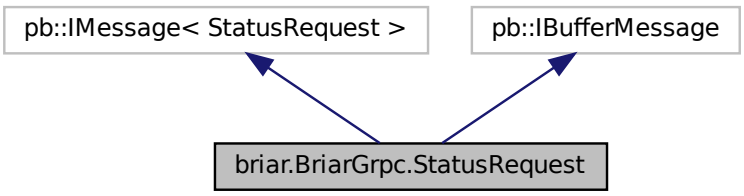
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

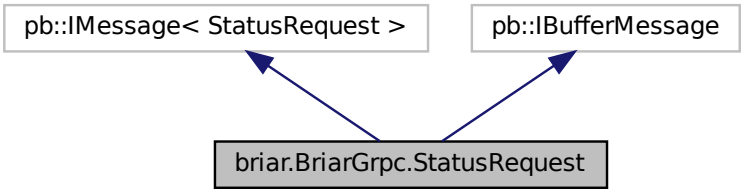
## 7.86 briar.BriarGrpc.StatusRequest Class Reference

Request status on the service.

Inheritance diagram for briar.BriarGrpc.StatusRequest:



Collaboration diagram for briar.BriarGrpc.StatusRequest:




## Public Member Functions

- int CalculateSize ()
- StatusRequest Clone ()
- override bool Equals (object other)
- bool Equals (StatusRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (StatusRequest other)
- StatusRequest ()
- StatusRequest (StatusRequest other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- static pb::MessageParser< StatusRequest > Parser `[get]`

### 7.86.1 Detailed Description

Request status on the service.

This is currently an empty message.

### 7.86.2 Constructor & Destructor Documentation

#### 7.86.2.1 StatusRequest() [1/2]

```
briar.BriarGrpc.StatusRequest.StatusRequest ( )  [inline]
```

#### 7.86.2.2 StatusRequest() [2/2]

```
briar.BriarGrpc.StatusRequest.StatusRequest (
            StatusRequest other )  [inline]
```

### 7.86.3 Member Function Documentation

#### 7.86.3.1 CalculateSize()

```
int briar.BriarGrpc.StatusRequest.CalculateSize ( )  [inline]
```

#### 7.86.3.2 Clone()

```
StatusRequest briar.BriarGrpc.StatusRequest.Clone ( )  [inline]
```

#### 7.86.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.StatusRequest.Equals (
            object other )  [inline]
```

#### 7.86.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.StatusRequest.Equals (
            StatusRequest other )  [inline]
```

#### 7.86.3.5 GetHashCode()

```
override int briar.BriarGrpc.StatusRequest.GetHashCode ( )  [inline]
```

#### 7.86.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.StatusRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.86.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.StatusRequest.MergeFrom (
            StatusRequest other )  [inline]
```

#### 7.86.3.8 ToString()

```
override string briar.BriarGrpc.StatusRequest.ToString ( )  [inline]
```

#### 7.86.3.9 WriteTo()

```
void briar.BriarGrpc.StatusRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.86.4 Property Documentation

#### 7.86.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.StatusRequest.Descriptor  [static], [get]
```

#### 7.86.4.2 Parser

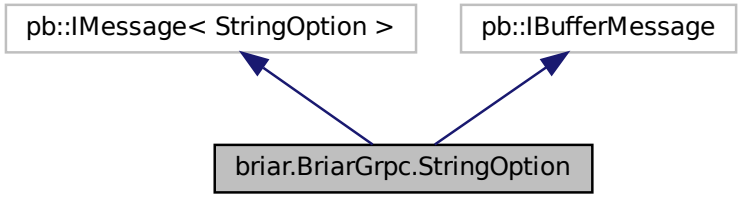
```
pb.MessageParser<StatusRequest> briar.BriarGrpc.StatusRequest.Parser  [static], [get]
```

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

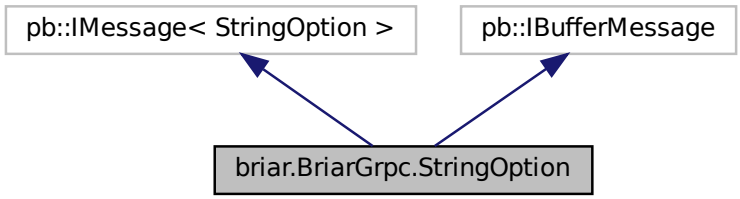
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.87 briar.BriarGrpc.StringOption Class Reference

Inheritance diagram for briar.BriarGrpc.StringOption:




Collaboration diagram for briar.BriarGrpc.StringOption:




### Public Member Functions

- int CalculateSize ()
- StringOption Clone ()
- override bool Equals (object other)
- bool Equals (StringOption other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (StringOption other)
- StringOption ()
- StringOption (StringOption other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int OverrideDefaultFieldNumber = 1

  *Field number for the "override_default" field.*
- const int ValueFieldNumber = 2

  *Field number for the "value" field.*

## Properties

- static pbr::MessageDescriptor Descriptor [get]
- bool OverrideDefault [get, set]
- static pb::MessageParser< StringOption > Parser [get]
- string Value [get, set]

### 7.87.1 Constructor & Destructor Documentation

#### 7.87.1.1 StringOption() [1/2]

```
briar.BriarGrpc.StringOption.StringOption ( ) [inline]
```

#### 7.87.1.2 StringOption() [2/2]

```
briar.BriarGrpc.StringOption.StringOption (
            StringOption other ) [inline]
```

### 7.87.2 Member Function Documentation

#### 7.87.2.1 CalculateSize()

```
int briar.BriarGrpc.StringOption.CalculateSize ( ) [inline]
```

#### 7.87.2.2 Clone()

```
StringOption briar.BriarGrpc.StringOption.Clone ( ) [inline]
```

#### 7.87.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.StringOption.Equals (
            object other ) [inline]
```

#### 7.87.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.StringOption.Equals (
            StringOption other )  [inline]
```

#### 7.87.2.5 GetHashCode()

```
override int briar.BriarGrpc.StringOption.GetHashCode ( )  [inline]
```

#### 7.87.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.StringOption.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.87.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.StringOption.MergeFrom (
            StringOption other )  [inline]
```

#### 7.87.2.8 ToString()

```
override string briar.BriarGrpc.StringOption.ToString ( )  [inline]
```

#### 7.87.2.9 WriteTo()

```
void briar.BriarGrpc.StringOption.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.87.3 Member Data Documentation

#### 7.87.3.1 OverrideDefaultFieldNumber

```
const int briar.BriarGrpc.StringOption.OverrideDefaultFieldNumber = 1  [static]
```

Field number for the "override_default" field.

#### 7.87.3.2 ValueFieldNumber

```
const int briar.BriarGrpc.StringOption.ValueFieldNumber = 2  [static]
```

Field number for the "value" field.

### 7.87.4 Property Documentation

#### 7.87.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.StringOption.Descriptor  [static], [get]
```

#### 7.87.4.2 OverrideDefault

```
bool briar.BriarGrpc.StringOption.OverrideDefault  [get], [set]
```

#### 7.87.4.3 Parser

```
pb.MessageParser<StringOption> briar.BriarGrpc.StringOption.Parser  [static], [get]
```

#### 7.87.4.4 Value

```
string briar.BriarGrpc.StringOption.Value  [get], [set]
```

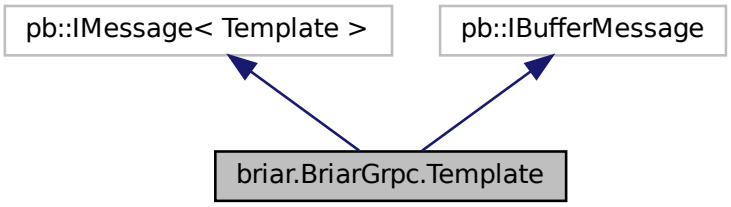
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

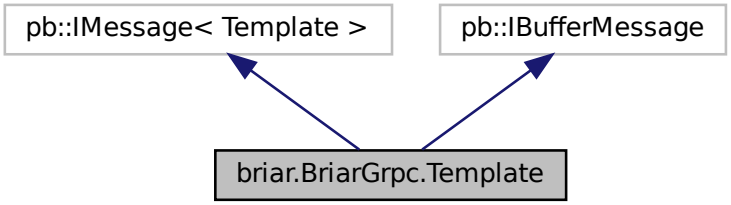
## 7.88 briar.BriarGrpc.Template Class Reference

Data structure to hold signature generated from an extraction.

Inheritance diagram for briar.BriarGrpc.Template:




Collaboration diagram for briar.BriarGrpc.Template:




### Public Member Functions

- int CalculateSize ()
- Template Clone ()
- override bool Equals (object other)
- bool Equals (Template other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (Template other)
- Template ()
- Template (Template other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmFieldNumber = 4

  *Field number for the "algorithm" field.*
- const int AssociatedDetectionIdFieldNumber = 2

  *Field number for the "associated_detection_id" field.*
- const int AssociatedTrackletIdFieldNumber = 3

  *Field number for the "associated_tracklet_id" field.*
- const int BufferFieldNumber = 7

  *Field number for the "buffer" field.*
- const int DataFieldNumber = 6

  *Field number for the "data" field.*
- const int IdFieldNumber = 1

  *Field number for the "id" field.*
- const int MetadataFieldNumber = 8

  *Field number for the "metadata" field.*
- const int ModalityFieldNumber = 9

  *Field number for the "modality" field.*
- const int PartsFieldNumber = 5

  *Field number for the "parts" field.*

## Properties

- string Algorithm `[get, set]`

  *OPTIONAL: Document which algorithm or machine learning model was used to create the signature vector.*
- long AssociatedDetectionId `[get, set]`

  *REQUIRED: The detection ID that this template is associated to*
- long AssociatedTrackletId `[get, set]`

  *REQUIRED: The tracklet ID that this template is associated to, if only detections are used leave this blank*
- pb::ByteString Buffer `[get, set]`

  *OPTIONAL: General storage.*
- global::briar.BriarGrpc.BriarVector Data `[get, set]`

  *OPTIONAL: Simple templates can use a standard floating point feature vector.*
- static pbr::MessageDescriptor Descriptor `[get]`
- string Id `[get, set]`

  *REQUIRED: String identifier associated with template.*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Metadata `[get]`

  *OPTIONAL: Unstructured mapping to store additional data about the record as needed.*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`
- static pb::MessageParser< Template > Parser `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.TemplateData > Parts `[get]`

  *RECOMMENDED: Mapping to store multipart or multiple modality templates.*

### 7.88.1 Detailed Description

Data structure to hold signature generated from an extraction.

Typically just populate one of "parts", "data", or "buffer".

## 7.88.2 Constructor & Destructor Documentation

### 7.88.2.1 Template() [1/2]

```
briar.BriarGrpc.Template.Template ( )  [inline]
```

### 7.88.2.2 Template() [2/2]

```
briar.BriarGrpc.Template.Template (
            Template other )  [inline]
```

## 7.88.3 Member Function Documentation

### 7.88.3.1 CalculateSize()

```
int briar.BriarGrpc.Template.CalculateSize ( )  [inline]
```

### 7.88.3.2 Clone()

```
Template briar.BriarGrpc.Template.Clone ( )  [inline]
```

### 7.88.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.Template.Equals (
            object other )  [inline]
```

### 7.88.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.Template.Equals (
            Template other )  [inline]
```

#### 7.88.3.5 GetHashCode()

```
override int briar.BriarGrpc.Template.GetHashCode ( )  [inline]
```

#### 7.88.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Template.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.88.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Template.MergeFrom (
            Template other )  [inline]
```

#### 7.88.3.8 ToString()

```
override string briar.BriarGrpc.Template.ToString ( )  [inline]
```

#### 7.88.3.9 WriteTo()

```
void briar.BriarGrpc.Template.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.88.4 Member Data Documentation

#### 7.88.4.1 AlgorithmFieldNumber

```
const int briar.BriarGrpc.Template.AlgorithmFieldNumber = 4  [static]
```

Field number for the "algorithm" field.

#### 7.88.4.2 AssociatedDetectionIdFieldNumber

```
const int briar.BriarGrpc.Template.AssociatedDetectionIdFieldNumber = 2  [static]
```

Field number for the "associated_detection_id" field.

#### 7.88.4.3 AssociatedTrackletIdFieldNumber

```
const int briar.BriarGrpc.Template.AssociatedTrackletIdFieldNumber = 3  [static]
```

Field number for the "associated_tracklet_id" field.

#### 7.88.4.4 BufferFieldNumber

```
const int briar.BriarGrpc.Template.BufferFieldNumber = 7  [static]
```

Field number for the "buffer" field.

#### 7.88.4.5 DataFieldNumber

```
const int briar.BriarGrpc.Template.DataFieldNumber = 6  [static]
```

Field number for the "data" field.

#### 7.88.4.6 IdFieldNumber

```
const int briar.BriarGrpc.Template.IdFieldNumber = 1  [static]
```

Field number for the "id" field.

#### 7.88.4.7 MetadataFieldNumber

```
const int briar.BriarGrpc.Template.MetadataFieldNumber = 8  [static]
```

Field number for the "metadata" field.

#### 7.88.4.8 ModalityFieldNumber

```
const int briar.BriarGrpc.Template.ModalityFieldNumber = 9  [static]
```

Field number for the "modality" field.

#### 7.88.4.9 PartsFieldNumber

```
const int briar.BriarGrpc.Template.PartsFieldNumber = 5  [static]
```

Field number for the "parts" field.

### 7.88.5 Property Documentation

#### 7.88.5.1 Algorithm

```
string briar.BriarGrpc.Template.Algorithm  [get], [set]
```

OPTIONAL: Document which algorithm or machine learning model was used to create the signature vector.

#### 7.88.5.2 AssociatedDetectionId

```
long briar.BriarGrpc.Template.AssociatedDetectionId  [get], [set]
```

REQUIRED: The detection ID that this template is associated to

#### 7.88.5.3 AssociatedTrackletId

```
long briar.BriarGrpc.Template.AssociatedTrackletId  [get], [set]
```

REQUIRED: The tracklet ID that this template is associated to, if only detections are used leave this blank

#### 7.88.5.4 Buffer

```
pb.ByteString briar.BriarGrpc.Template.Buffer  [get], [set]
```

OPTIONAL: General storage.

Can be used for raw binary data templates or proprietary formats.

#### 7.88.5.5 Data

```
global.briar.BriarGrpc.BriarVector briar.BriarGrpc.Template.Data  [get], [set]
```

OPTIONAL: Simple templates can use a standard floating point feature vector.

#### 7.88.5.6 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Template.Descriptor  [static], [get]
```

#### 7.88.5.7 Id

```
string briar.BriarGrpc.Template.Id  [get], [set]
```

REQUIRED: String identifier associated with template.

#### 7.88.5.8 Metadata

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.Template.Metadata  [get]
```

OPTIONAL: Unstructured mapping to store additional data about the record as needed.

#### 7.88.5.9 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.Template.Modality  [get], [set]
```

#### 7.88.5.10 Parser

```
pb.MessageParser<Template> briar.BriarGrpc.Template.Parser  [static], [get]
```

#### 7.88.5.11 Parts

```
pbc.RepeatedField<global.briar.BriarGrpc.TemplateData> briar.BriarGrpc.Template.Parts  [get]
```

RECOMMENDED: Mapping to store multipart or multiple modality templates.

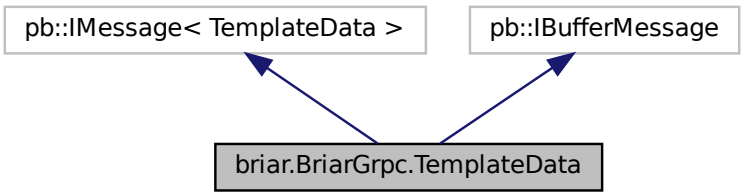
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

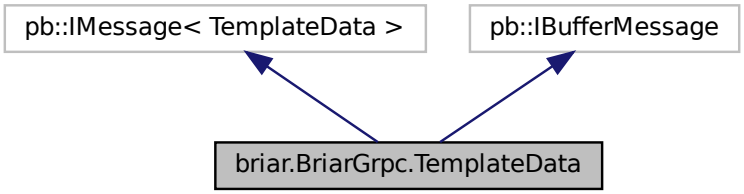
# 7.89 briar.BriarGrpc.TemplateData Class Reference

Mapping item to store a simple part of multipart/multimodal templates.

Inheritance diagram for briar.BriarGrpc.TemplateData:




Collaboration diagram for briar.BriarGrpc.TemplateData:




## Public Member Functions

- int CalculateSize ()
- TemplateData Clone ()
- override bool Equals (object other)
- bool Equals (TemplateData other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TemplateData other)
- TemplateData ()
- TemplateData (TemplateData other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DescriptionFieldNumber = 2

  *Field number for the "description" field.*
- const int KeyFieldNumber = 1

  *Field number for the "key" field.*
- const int MetadataFieldNumber = 19

  *Field number for the "metadata" field.*
- const int ModalityFieldNumber = 15

  *Field number for the "modality" field.*
- const int SourceIdFieldNumber = 17

  *Field number for the "source_id" field.*
- const int SubmodalityFieldNumber = 16

  *Field number for the "submodality" field.*
- const int TrackletIdFieldNumber = 18

  *Field number for the "tracklet_id" field.*

## Properties

- string Description `[get, set]`

  *OPTIONAL: A text description on the content or type hint*
- static pbr::MessageDescriptor Descriptor `[get]`
- string Key `[get, set]`

  *REQUIRED: unique id for this data*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Metadata `[get]`

  *OPTIONAL: Unstructured mapping to store additional data about the record as needed.*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *RECOMMENDED: Biometric signature captured in the template*
- static pb::MessageParser< TemplateData > Parser `[get]`
- string SourceId `[get, set]`

  *OPTIONAL: Link back to the media source of this data*
- string Submodality `[get, set]`

  *OPTIONAL: more detail on the type of modality or signature if needed*
- string TrackletId `[get, set]`

  *OPTIONAL: Link back to the tracklet or detection associated with this data*

### 7.89.1 Detailed Description

Mapping item to store a simple part of multipart/multimodal templates.

The message contains mostly optional header and then algorithms will typically use just one data format (buffer, matrix, vector, etc.) to encode the associated signature data. Attributes can be used to store additional data as needed, i.e. yaw_angle, pitch_angle, resolution.

### 7.89.2 Constructor & Destructor Documentation

#### 7.89.2.1 TemplateData() [1/2]

```
briar.BriarGrpc.TemplateData.TemplateData ( )  [inline]
```

#### 7.89.2.2 TemplateData() [2/2]

```
briar.BriarGrpc.TemplateData.TemplateData (
            TemplateData other )  [inline]
```

### 7.89.3 Member Function Documentation

#### 7.89.3.1 CalculateSize()

```
int briar.BriarGrpc.TemplateData.CalculateSize ( )  [inline]
```

#### 7.89.3.2 Clone()

```
TemplateData briar.BriarGrpc.TemplateData.Clone ( )  [inline]
```

#### 7.89.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TemplateData.Equals (
            object other )  [inline]
```

#### 7.89.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TemplateData.Equals (
            TemplateData other )  [inline]
```

#### 7.89.3.5 GetHashCode()

```
override int briar.BriarGrpc.TemplateData.GetHashCode ( )  [inline]
```

#### 7.89.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TemplateData.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.89.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TemplateData.MergeFrom (
            TemplateData other )  [inline]
```

#### 7.89.3.8 ToString()

```
override string briar.BriarGrpc.TemplateData.ToString ( )  [inline]
```

#### 7.89.3.9 WriteTo()

```
void briar.BriarGrpc.TemplateData.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.89.4 Member Data Documentation

#### 7.89.4.1 DescriptionFieldNumber

```
const int briar.BriarGrpc.TemplateData.DescriptionFieldNumber = 2  [static]
```

Field number for the "description" field.

#### 7.89.4.2 KeyFieldNumber

```
const int briar.BriarGrpc.TemplateData.KeyFieldNumber = 1  [static]
```

Field number for the "key" field.

#### 7.89.4.3 MetadataFieldNumber

```
const int briar.BriarGrpc.TemplateData.MetadataFieldNumber = 19  [static]
```

Field number for the "metadata" field.

#### 7.89.4.4 ModalityFieldNumber

```
const int briar.BriarGrpc.TemplateData.ModalityFieldNumber = 15  [static]
```

Field number for the "modality" field.

#### 7.89.4.5 SourceIdFieldNumber

```
const int briar.BriarGrpc.TemplateData.SourceIdFieldNumber = 17  [static]
```

Field number for the "source_id" field.

#### 7.89.4.6 SubmodalityFieldNumber

```
const int briar.BriarGrpc.TemplateData.SubmodalityFieldNumber = 16  [static]
```

Field number for the "submodality" field.

#### 7.89.4.7 TrackletIdFieldNumber

```
const int briar.BriarGrpc.TemplateData.TrackletIdFieldNumber = 18  [static]
```

Field number for the "tracklet_id" field.

### 7.89.5 Property Documentation

#### 7.89.5.1 Description

```
string briar.BriarGrpc.TemplateData.Description  [get], [set]
```

OPTIONAL: A text description on the content or type hint

#### 7.89.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TemplateData.Descriptor  [static], [get]
```

#### 7.89.5.3 Key

```
string briar.BriarGrpc.TemplateData.Key  [get], [set]
```

REQUIRED: unique id for this data

#### 7.89.5.4 Metadata

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.TemplateData.Metadata
[get]
```

OPTIONAL: Unstructured mapping to store additional data about the record as needed.

#### 7.89.5.5 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.TemplateData.Modality  [get], [set]
```

RECOMMENDED: Biometric signature captured in the template

#### 7.89.5.6 Parser

```
pb.MessageParser<TemplateData> briar.BriarGrpc.TemplateData.Parser  [static], [get]
```

#### 7.89.5.7 SourceId

```
string briar.BriarGrpc.TemplateData.SourceId  [get], [set]
```

OPTIONAL: Link back to the media source of this data

#### 7.89.5.8 Submodality

```
string briar.BriarGrpc.TemplateData.Submodality  [get], [set]
```

OPTIONAL: more detail on the type of modality or signature if needed

#### 7.89.5.9 TrackletId

```
string briar.BriarGrpc.TemplateData.TrackletId  [get], [set]
```

OPTIONAL: Link back to the tracklet or detection associated with this data

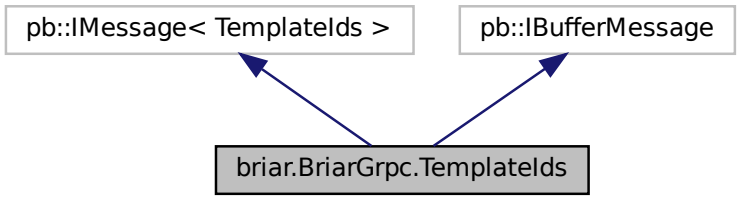
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

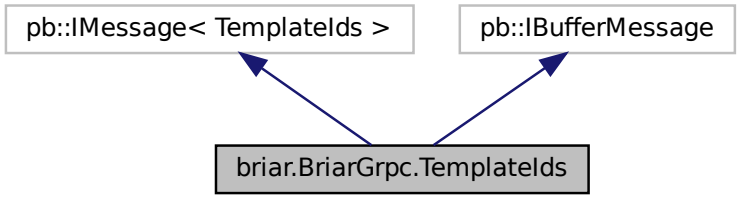
## 7.90 briar.BriarGrpc.TemplateIds Class Reference

A message representing a list of unique template ids.

Inheritance diagram for briar.BriarGrpc.TemplateIds:




Collaboration diagram for briar.BriarGrpc.TemplateIds:



## Public Member Functions

- int CalculateSize ()
- TemplateIds Clone ()
- override bool Equals (object other)
- bool Equals (TemplateIds other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TemplateIds other)
- TemplateIds ()
- TemplateIds (TemplateIds other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int IdsFieldNumber = 1

  *Field number for the "ids" field.*
- const int LengthFieldNumber = 2

  *Field number for the "length" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< string > Ids `[get]`

  *List of unique ids relating to the templates*
- int Length `[get, set]`

  *DEPRICATED: not needed in protobuf.*
- static pb::MessageParser< TemplateIds > Parser `[get]`

### 7.90.1 Detailed Description

A message representing a list of unique template ids.

### 7.90.2 Constructor & Destructor Documentation

#### 7.90.2.1 TemplateIds() [1/2]

```
briar.BriarGrpc.TemplateIds.TemplateIds ( )  [inline]
```

#### 7.90.2.2 TemplateIds() [2/2]

```
briar.BriarGrpc.TemplateIds.TemplateIds (
            TemplateIds other )  [inline]
```

## 7.90.3 Member Function Documentation

### 7.90.3.1 CalculateSize()

```
int briar.BriarGrpc.TemplateIds.CalculateSize ( )  [inline]
```

### 7.90.3.2 Clone()

```
TemplateIds briar.BriarGrpc.TemplateIds.Clone ( )  [inline]
```

### 7.90.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TemplateIds.Equals (
            object other )  [inline]
```

### 7.90.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TemplateIds.Equals (
            TemplateIds other )  [inline]
```

### 7.90.3.5 GetHashCode()

```
override int briar.BriarGrpc.TemplateIds.GetHashCode ( )  [inline]
```

### 7.90.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TemplateIds.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.90.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TemplateIds.MergeFrom (
            TemplateIds other )  [inline]
```

#### 7.90.3.8 ToString()

```
override string briar.BriarGrpc.TemplateIds.ToString ( )  [inline]
```

#### 7.90.3.9 WriteTo()

```
void briar.BriarGrpc.TemplateIds.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.90.4 Member Data Documentation

#### 7.90.4.1 IdsFieldNumber

```
const int briar.BriarGrpc.TemplateIds.IdsFieldNumber = 1  [static]
```

Field number for the "ids" field.

#### 7.90.4.2 LengthFieldNumber

```
const int briar.BriarGrpc.TemplateIds.LengthFieldNumber = 2  [static]
```

Field number for the "length" field.

### 7.90.5 Property Documentation

#### 7.90.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TemplateIds.Descriptor  [static], [get]
```

#### 7.90.5.2 Ids

```
pbc.RepeatedField<string> briar.BriarGrpc.TemplateIds.Ids  [get]
```

List of unique ids relating to the templates

#### 7.90.5.3 Length

```
int briar.BriarGrpc.TemplateIds.Length  [get], [set]
```

DEPRICATED: not needed in protobuf.

Number of ids

#### 7.90.5.4 Parser

```
pb.MessageParser<TemplateIds> briar.BriarGrpc.TemplateIds.Parser  [static], [get]
```

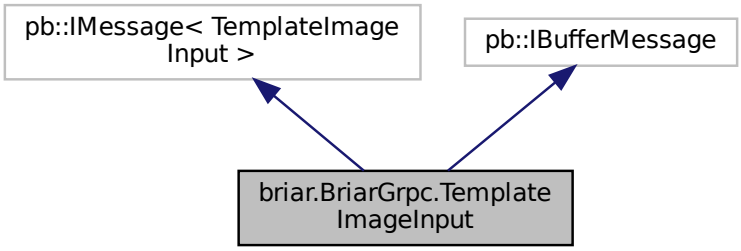
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

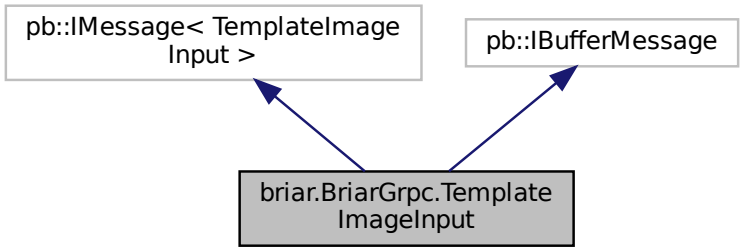
## 7.91 briar.BriarGrpc.TemplateImageInput Class Reference

Data structure to keep image data and detections together

Inheritance diagram for briar.BriarGrpc.TemplateImageInput:



Collaboration diagram for briar.BriarGrpc.TemplateImageInput:




## Public Member Functions

- int CalculateSize ()
- TemplateImageInput Clone ()
- override bool Equals (object other)
- bool Equals (TemplateImageInput other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TemplateImageInput other)
- TemplateImageInput ()
- TemplateImageInput (TemplateImageInput other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectionsFieldNumber = 2

  *Field number for the "detections" field.*
- const int ImFieldNumber = 1

  *Field number for the "im" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.BriarRect > Detections `[get]`
- global::briar.BriarGrpc.BriarMedia Im `[get, set]`
- static pb::MessageParser< TemplateImageInput > Parser `[get]`

### 7.91.1 Detailed Description

Data structure to keep image data and detections together

## 7.91.2 Constructor & Destructor Documentation

### 7.91.2.1 TemplateImageInput() [1/2]

```
briar.BriarGrpc.TemplateImageInput.TemplateImageInput ( )  [inline]
```

### 7.91.2.2 TemplateImageInput() [2/2]

```
briar.BriarGrpc.TemplateImageInput.TemplateImageInput (
            TemplateImageInput other )  [inline]
```

## 7.91.3 Member Function Documentation

### 7.91.3.1 CalculateSize()

```
int briar.BriarGrpc.TemplateImageInput.CalculateSize ( )  [inline]
```

### 7.91.3.2 Clone()

```
TemplateImageInput briar.BriarGrpc.TemplateImageInput.Clone ( )  [inline]
```

### 7.91.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TemplateImageInput.Equals (
            object other )  [inline]
```

### 7.91.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TemplateImageInput.Equals (
            TemplateImageInput other )  [inline]
```

#### 7.91.3.5 GetHashCode()

```
override int briar.BriarGrpc.TemplateImageInput.GetHashCode ( )  [inline]
```

#### 7.91.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TemplateImageInput.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.91.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TemplateImageInput.MergeFrom (
            TemplateImageInput other )  [inline]
```

#### 7.91.3.8 ToString()

```
override string briar.BriarGrpc.TemplateImageInput.ToString ( )  [inline]
```

#### 7.91.3.9 WriteTo()

```
void briar.BriarGrpc.TemplateImageInput.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.91.4 Member Data Documentation

#### 7.91.4.1 DetectionsFieldNumber

```
const int briar.BriarGrpc.TemplateImageInput.DetectionsFieldNumber = 2  [static]
```

Field number for the "detections" field.

#### 7.91.4.2 ImFieldNumber

```
const int briar.BriarGrpc.TemplateImageInput.ImFieldNumber = 1  [static]
```

Field number for the "im" field.

### 7.91.5 Property Documentation

#### 7.91.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TemplateImageInput.Descriptor  [static], [get]
```

#### 7.91.5.2 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.BriarRect> briar.BriarGrpc.TemplateImageInput.↩
Detections  [get]
```

#### 7.91.5.3 Im

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.TemplateImageInput.Im  [get], [set]
```

#### 7.91.5.4 Parser

```
pb.MessageParser<TemplateImageInput> briar.BriarGrpc.TemplateImageInput.Parser  [static],
[get]
```

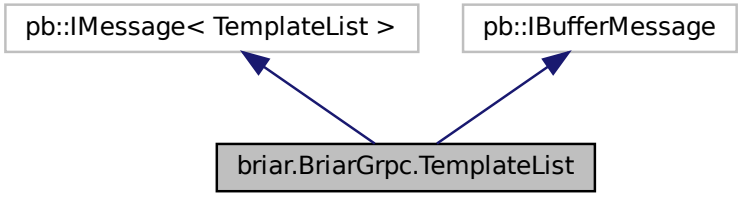
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

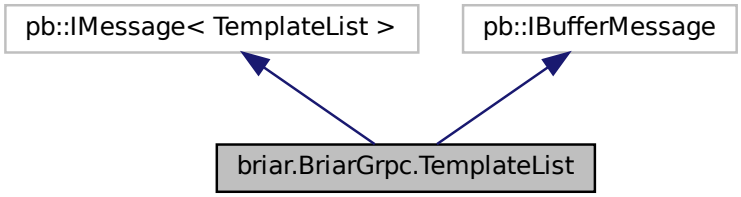
## 7.92 briar.BriarGrpc.TemplateList Class Reference

List of template

Inheritance diagram for briar.BriarGrpc.TemplateList:




Collaboration diagram for briar.BriarGrpc.TemplateList:




### Public Member Functions

- int CalculateSize ()
- TemplateList Clone ()
- override bool Equals (object other)
- bool Equals (TemplateList other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TemplateList other)
- TemplateList ()
- TemplateList (TemplateList other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

### Static Public Attributes

- const int TmplsFieldNumber = 1

  *Field number for the "tmpls" field.*

## Properties

- static pbr::MessageDescriptor Descriptor [get]
- static pb::MessageParser< TemplateList > Parser [get]
- pbc::RepeatedField< global::briar.BriarGrpc.Template > Tmpls [get]

  *List of Templates*

### 7.92.1 Detailed Description

List of template

### 7.92.2 Constructor & Destructor Documentation

#### 7.92.2.1 TemplateList() [1/2]

```
briar.BriarGrpc.TemplateList.TemplateList ( )  [inline]
```

#### 7.92.2.2 TemplateList() [2/2]

```
briar.BriarGrpc.TemplateList.TemplateList (
            TemplateList other )  [inline]
```

### 7.92.3 Member Function Documentation

#### 7.92.3.1 CalculateSize()

```
int briar.BriarGrpc.TemplateList.CalculateSize ( )  [inline]
```

#### 7.92.3.2 Clone()

```
TemplateList briar.BriarGrpc.TemplateList.Clone ( )  [inline]
```

#### 7.92.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TemplateList.Equals (
            object other )  [inline]
```

#### 7.92.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TemplateList.Equals (
            TemplateList other )  [inline]
```

#### 7.92.3.5 GetHashCode()

```
override int briar.BriarGrpc.TemplateList.GetHashCode ( )  [inline]
```

#### 7.92.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TemplateList.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.92.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TemplateList.MergeFrom (
            TemplateList other )  [inline]
```

#### 7.92.3.8 ToString()

```
override string briar.BriarGrpc.TemplateList.ToString ( )  [inline]
```

#### 7.92.3.9 WriteTo()

```
void briar.BriarGrpc.TemplateList.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.92.4 Member Data Documentation

### 7.92.4.1 TmplsFieldNumber

```
const int briar.BriarGrpc.TemplateList.TmplsFieldNumber = 1  [static]
```

Field number for the "tmpls" field.

## 7.92.5 Property Documentation

### 7.92.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TemplateList.Descriptor  [static], [get]
```

### 7.92.5.2 Parser

```
pb.MessageParser<TemplateList> briar.BriarGrpc.TemplateList.Parser  [static], [get]
```

### 7.92.5.3 Tmpls

```
pbc.RepeatedField<global.briar.BriarGrpc.Template> briar.BriarGrpc.TemplateList.Tmpls  [get]
```

List of Templates

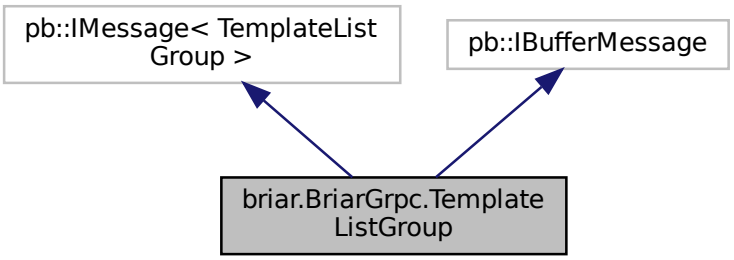
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

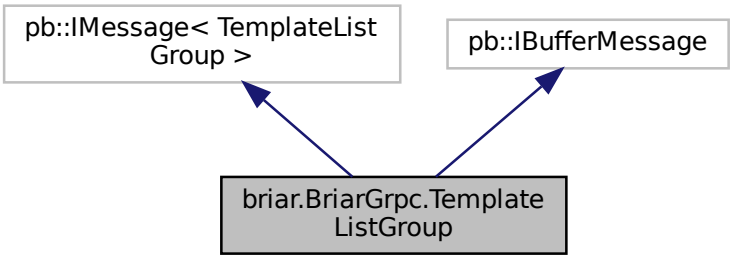
## 7.93 briar.BriarGrpc.TemplateListGroup Class Reference

List of List of templates

Inheritance diagram for briar.BriarGrpc.TemplateListGroup:




Collaboration diagram for briar.BriarGrpc.TemplateListGroup:




### Public Member Functions

- int CalculateSize ()
- TemplateListGroup Clone ()
- override bool Equals (object other)
- bool Equals (TemplateListGroup other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TemplateListGroup other)
- TemplateListGroup ()
- TemplateListGroup (TemplateListGroup other)
- override string ToString ()
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int GroupFieldNumber = 1

  *Field number for the "group" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.TemplateList > Group `[get]`

  *List of List of templates*
- static pb::MessageParser< TemplateListGroup > Parser `[get]`

### 7.93.1 Detailed Description

List of List of templates

### 7.93.2 Constructor & Destructor Documentation

#### 7.93.2.1 TemplateListGroup() [1/2]

```
briar.BriarGrpc.TemplateListGroup.TemplateListGroup ( )  [inline]
```

#### 7.93.2.2 TemplateListGroup() [2/2]

```
briar.BriarGrpc.TemplateListGroup.TemplateListGroup (
            TemplateListGroup other )  [inline]
```

### 7.93.3 Member Function Documentation

#### 7.93.3.1 CalculateSize()

```
int briar.BriarGrpc.TemplateListGroup.CalculateSize ( )  [inline]
```

#### 7.93.3.2 Clone()

```
TemplateListGroup briar.BriarGrpc.TemplateListGroup.Clone ( )  [inline]
```

#### 7.93.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TemplateListGroup.Equals (
            object other )  [inline]
```

#### 7.93.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TemplateListGroup.Equals (
            TemplateListGroup other )  [inline]
```

#### 7.93.3.5 GetHashCode()

```
override int briar.BriarGrpc.TemplateListGroup.GetHashCode ( )  [inline]
```

#### 7.93.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TemplateListGroup.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.93.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TemplateListGroup.MergeFrom (
            TemplateListGroup other )  [inline]
```

#### 7.93.3.8 ToString()

```
override string briar.BriarGrpc.TemplateListGroup.ToString ( )  [inline]
```

#### 7.93.3.9 WriteTo()

```
void briar.BriarGrpc.TemplateListGroup.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.93.4 Member Data Documentation

#### 7.93.4.1 GroupFieldNumber

```
const int briar.BriarGrpc.TemplateListGroup.GroupFieldNumber = 1  [static]
```

Field number for the "group" field.

### 7.93.5 Property Documentation

#### 7.93.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TemplateListGroup.Descriptor  [static], [get]
```

#### 7.93.5.2 Group

```
pbc.RepeatedField<global.briar.BriarGrpc.TemplateList> briar.BriarGrpc.TemplateListGroup.Group
[get]
```

List of List of templates

#### 7.93.5.3 Parser

```
pb.MessageParser<TemplateListGroup> briar.BriarGrpc.TemplateListGroup.Parser  [static], [get]
```

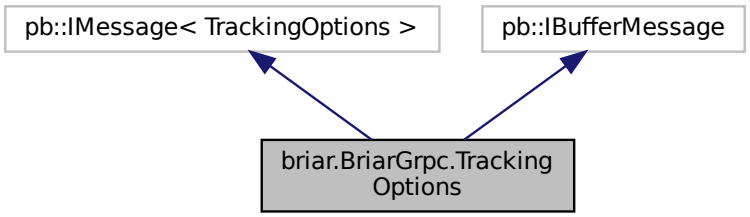
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

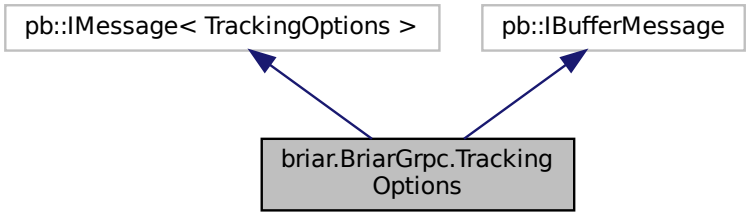
## 7.94 briar.BriarGrpc.TrackingOptions Class Reference

Configuration for the tracking algorithms

Inheritance diagram for briar.BriarGrpc.TrackingOptions:




Collaboration diagram for briar.BriarGrpc.TrackingOptions:




### Public Member Functions

- int CalculateSize ()
- TrackingOptions Clone ()
- override bool Equals (object other)
- bool Equals (TrackingOptions other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TrackingOptions other)
- override string ToString ()
- TrackingOptions ()
- TrackingOptions (TrackingOptions other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AlgorithmIdFieldNumber = 1

  *Field number for the "algorithm_id" field.*
- const int AttributesFieldNumber = 8

  *Field number for the "attributes" field.*
- const int ModalityFieldNumber = 6

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 5

  *Field number for the "return_media" field.*
- const int ThresholdFieldNumber = 3

  *Field number for the "threshold" field.*
- const int TrackingBatchFieldNumber = 4

  *Field number for the "tracking_batch" field.*
- const int TrackingDisableFieldNumber = 2

  *Field number for the "tracking_disable" field.*

## Properties

- global::briar.BriarGrpc.StringOption AlgorithmId `[get, set]`

  *uid corresponding to which algorithm to use*
- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *Used for passing algorithm specific or custom options*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *Whether tracking is for face or whole body*
- static pb::MessageParser< TrackingOptions > Parser `[get]`
- global::briar.BriarGrpc.BoolOption ReturnMedia `[get, set]`

  *FloatOption encoding = 4;*
- global::briar.BriarGrpc.FloatOption Threshold `[get, set]`

  *min score for candidate consideration*
- global::briar.BriarGrpc.IntOption TrackingBatch `[get, set]`

  *batch size for tracking processes*
- global::briar.BriarGrpc.BoolOption TrackingDisable `[get, set]`

  *min score for candidate consideration*

### 7.94.1 Detailed Description

Configuration for the tracking algorithms

### 7.94.2 Constructor & Destructor Documentation

#### 7.94.2.1 TrackingOptions() `[1/2]`

```
briar.BriarGrpc.TrackingOptions.TrackingOptions ( )  [inline]
```

#### 7.94.2.2 TrackingOptions() [2/2]

```
briar.BriarGrpc.TrackingOptions.TrackingOptions (
            TrackingOptions other )  [inline]
```

### 7.94.3 Member Function Documentation

#### 7.94.3.1 CalculateSize()

```
int briar.BriarGrpc.TrackingOptions.CalculateSize ( )  [inline]
```

#### 7.94.3.2 Clone()

```
TrackingOptions briar.BriarGrpc.TrackingOptions.Clone ( )  [inline]
```

#### 7.94.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TrackingOptions.Equals (
            object other )  [inline]
```

#### 7.94.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.TrackingOptions.Equals (
            TrackingOptions other )  [inline]
```

#### 7.94.3.5 GetHashCode()

```
override int briar.BriarGrpc.TrackingOptions.GetHashCode ( )  [inline]
```

#### 7.94.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TrackingOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.94.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TrackingOptions.MergeFrom (
            TrackingOptions other )  [inline]
```

#### 7.94.3.8 ToString()

```
override string briar.BriarGrpc.TrackingOptions.ToString ( )  [inline]
```

#### 7.94.3.9 WriteTo()

```
void briar.BriarGrpc.TrackingOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.94.4 Member Data Documentation

#### 7.94.4.1 AlgorithmIdFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.AlgorithmIdFieldNumber = 1  [static]
```

Field number for the "algorithm_id" field.

#### 7.94.4.2 AttributesFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.AttributesFieldNumber = 8  [static]
```

Field number for the "attributes" field.

#### 7.94.4.3 ModalityFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.ModalityFieldNumber = 6  [static]
```

Field number for the "modality" field.

#### 7.94.4.4 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.ReturnMediaFieldNumber = 5  [static]
```

Field number for the "return_media" field.

#### 7.94.4.5 ThresholdFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.ThresholdFieldNumber = 3  [static]
```

Field number for the "threshold" field.

#### 7.94.4.6 TrackingBatchFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.TrackingBatchFieldNumber = 4  [static]
```

Field number for the "tracking_batch" field.

#### 7.94.4.7 TrackingDisableFieldNumber

```
const int briar.BriarGrpc.TrackingOptions.TrackingDisableFieldNumber = 2  [static]
```

Field number for the "tracking_disable" field.

### 7.94.5 Property Documentation

#### 7.94.5.1 AlgorithmId

```
global.briar.BriarGrpc.StringOption briar.BriarGrpc.TrackingOptions.AlgorithmId  [get], [set]
```

uid corresponding to which algorithm to use

#### 7.94.5.2 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.TrackingOptions.Attributes
[get]
```

Used for passing algorithm specific or custom options

#### 7.94.5.3 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TrackingOptions.Descriptor  [static], [get]
```

#### 7.94.5.4 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.TrackingOptions.Modality  [get], [set]
```

Whether tracking is for face or whole body

#### 7.94.5.5 Parser

```
pb.MessageParser<TrackingOptions> briar.BriarGrpc.TrackingOptions.Parser  [static], [get]
```

#### 7.94.5.6 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.TrackingOptions.ReturnMedia  [get], [set]
```

FloatOption encoding = 4;

#### 7.94.5.7 Threshold

```
global.briar.BriarGrpc.FloatOption briar.BriarGrpc.TrackingOptions.Threshold  [get], [set]
```

min score for candidate consideration

#### 7.94.5.8 TrackingBatch

```
global.briar.BriarGrpc.IntOption briar.BriarGrpc.TrackingOptions.TrackingBatch  [get], [set]
```

batch size for tracking processes

#### 7.94.5.9 TrackingDisable

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.TrackingOptions.TrackingDisable  [get], [set]
```

min score for candidate consideration

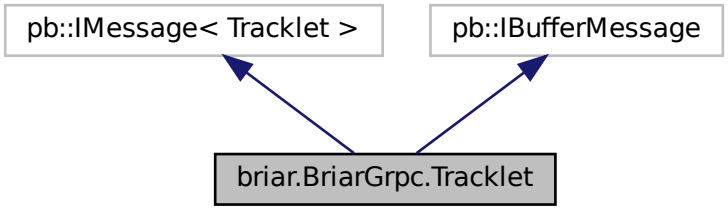
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

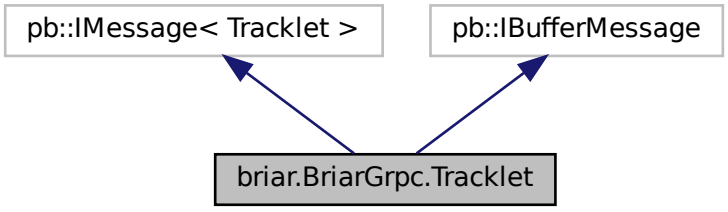
## 7.95 briar.BriarGrpc.Tracklet Class Reference

Represents a time-wise track of a detected instance

Inheritance diagram for briar.BriarGrpc.Tracklet:




Collaboration diagram for briar.BriarGrpc.Tracklet:



## Public Member Functions

- int CalculateSize ()
- Tracklet Clone ()
- override bool Equals (object other)
- bool Equals (Tracklet other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (Tracklet other)
- override string ToString ()
- Tracklet ()
- Tracklet (Tracklet other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int AttributesFieldNumber = 2

  *Field number for the "attributes" field.*
- const int DetectionsFieldNumber = 1

  *Field number for the "detections" field.*
- const int OptionsFieldNumber = 5

  *Field number for the "options" field.*
- const int TrackletClassFieldNumber = 3

  *Field number for the "tracklet_class" field.*
- const int TrackletIdFieldNumber = 4

  *Field number for the "tracklet_id" field.*

## Properties

- pbc::RepeatedField< global::briar.BriarGrpc.Attribute > Attributes `[get]`

  *OPTIONAL: attributes describing the tracklet*
- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *REQUIRED: the set of detections defining the tracklet*
- global::briar.BriarGrpc.TrackingOptions Options `[get, set]`

  *OPTIONAL: persistent options used to call the tracker*
- static pb::MessageParser< Tracklet > Parser `[get]`
- string TrackletClass `[get, set]`

  *DEPRICATED: use modality or attributes instead.*
- long TrackletId `[get, set]`

  *the id of a tracklet for this media*

### 7.95.1 Detailed Description

Represents a time-wise track of a detected instance

### 7.95.2 Constructor & Destructor Documentation

#### 7.95.2.1 Tracklet() [1/2]

```
briar.BriarGrpc.Tracklet.Tracklet ( )  [inline]
```

#### 7.95.2.2 Tracklet() [2/2]

```
briar.BriarGrpc.Tracklet.Tracklet (
            Tracklet other )  [inline]
```

### 7.95.3 Member Function Documentation

#### 7.95.3.1 CalculateSize()

```
int briar.BriarGrpc.Tracklet.CalculateSize ( )  [inline]
```

#### 7.95.3.2 Clone()

```
Tracklet briar.BriarGrpc.Tracklet.Clone ( )  [inline]
```

#### 7.95.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.Tracklet.Equals (
            object other )  [inline]
```

#### 7.95.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.Tracklet.Equals (
            Tracklet other )  [inline]
```

#### 7.95.3.5 GetHashCode()

```
override int briar.BriarGrpc.Tracklet.GetHashCode ( )  [inline]
```

#### 7.95.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.Tracklet.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.95.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.Tracklet.MergeFrom (
            Tracklet other )  [inline]
```

#### 7.95.3.8 ToString()

```
override string briar.BriarGrpc.Tracklet.ToString ( )  [inline]
```

#### 7.95.3.9 WriteTo()

```
void briar.BriarGrpc.Tracklet.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.95.4 Member Data Documentation

#### 7.95.4.1 AttributesFieldNumber

```
const int briar.BriarGrpc.Tracklet.AttributesFieldNumber = 2  [static]
```

Field number for the "attributes" field.

#### 7.95.4.2 DetectionsFieldNumber

```
const int briar.BriarGrpc.Tracklet.DetectionsFieldNumber = 1  [static]
```

Field number for the "detections" field.

#### 7.95.4.3 OptionsFieldNumber

```
const int briar.BriarGrpc.Tracklet.OptionsFieldNumber = 5  [static]
```

Field number for the "options" field.

#### 7.95.4.4 TrackletClassFieldNumber

```
const int briar.BriarGrpc.Tracklet.TrackletClassFieldNumber = 3  [static]
```

Field number for the "tracklet_class" field.

#### 7.95.4.5 TrackletIdFieldNumber

```
const int briar.BriarGrpc.Tracklet.TrackletIdFieldNumber = 4  [static]
```

Field number for the "tracklet_id" field.

### 7.95.5 Property Documentation

#### 7.95.5.1 Attributes

```
pbc.RepeatedField<global.briar.BriarGrpc.Attribute> briar.BriarGrpc.Tracklet.Attributes  [get]
```

OPTIONAL: attributes describing the tracklet

#### 7.95.5.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.Tracklet.Descriptor  [static], [get]
```

#### 7.95.5.3 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.Tracklet.Detections  [get]
```

REQUIRED: the set of detections defining the tracklet

#### 7.95.5.4 Options

```
global.briar.BriarGrpc.TrackingOptions briar.BriarGrpc.Tracklet.Options  [get], [set]
```

OPTIONAL: persistent options used to call the tracker

#### 7.95.5.5 Parser

```
pb.MessageParser<Tracklet> briar.BriarGrpc.Tracklet.Parser  [static], [get]
```

#### 7.95.5.6 TrackletClass

```
string briar.BriarGrpc.Tracklet.TrackletClass  [get], [set]
```

DEPRICATED: use modality or attributes instead.

defines type of tracklet (body, face, features, etc...)

#### 7.95.5.7 TrackletId

```
long briar.BriarGrpc.Tracklet.TrackletId  [get], [set]
```

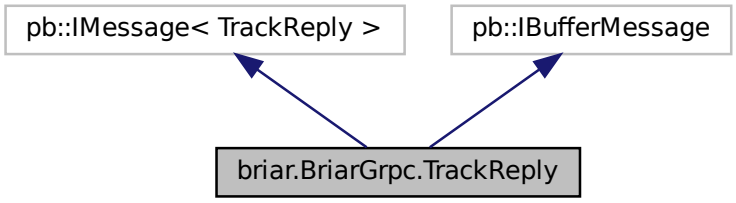
the id of a tracklet for this media

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

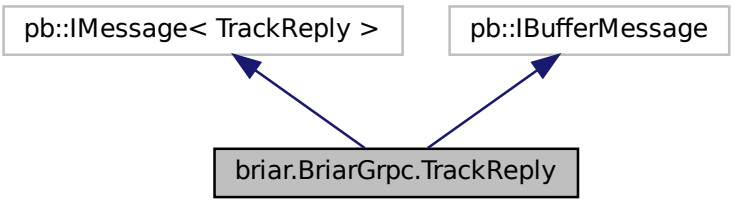
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.96 briar.BriarGrpc.TrackReply Class Reference

Inheritance diagram for briar.BriarGrpc.TrackReply:



Collaboration diagram for briar.BriarGrpc.TrackReply:




## Public Member Functions

- int CalculateSize ()
- TrackReply Clone ()
- override bool Equals (object other)
- bool Equals (TrackReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TrackReply other)
- override string ToString ()
- TrackReply ()
- TrackReply (TrackReply other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 7

  *Field number for the "errors" field.*
- const int FrameIdsFieldNumber = 3

  *Field number for the "frame_ids" field.*
- const int ModalityFieldNumber = 5

  *Field number for the "modality" field.*
- const int ProgressFieldNumber = 6

  *Field number for the "progress" field.*
- const int ProgressOnlyReplyFieldNumber = 8

  *Field number for the "progress_only_reply" field.*
- const int TrackletsFieldNumber = 1

  *Field number for the "tracklets" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- pbc::RepeatedField< long > FrameIds `[get]`

  *OPTIONAL: the frame IDs associated with the tracklets*
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *OPTIONAL: the modality of the track extracted*
- static pb::MessageParser< TrackReply > Parser `[get]`
- global::briar.BriarGrpc.BriarProgress Progress `[get, set]`

  *OPTIONAL: provides progress updates for progress bar display.*
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- pbc::RepeatedField< global::briar.BriarGrpc.Tracklet > Tracklets `[get]`

  *REQUIRED: set of returned tracklets*

## 7.96.1 Constructor & Destructor Documentation

### 7.96.1.1 TrackReply() [1/2]

```
briar.BriarGrpc.TrackReply.TrackReply ( )  [inline]
```

### 7.96.1.2 TrackReply() [2/2]

```
briar.BriarGrpc.TrackReply.TrackReply (
            TrackReply other )  [inline]
```

## 7.96.2 Member Function Documentation

### 7.96.2.1 CalculateSize()

```
int briar.BriarGrpc.TrackReply.CalculateSize ( )  [inline]
```

### 7.96.2.2 Clone()

```
TrackReply briar.BriarGrpc.TrackReply.Clone ( )  [inline]
```

#### 7.96.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TrackReply.Equals (
            object other )  [inline]
```

#### 7.96.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.TrackReply.Equals (
            TrackReply other )  [inline]
```

#### 7.96.2.5 GetHashCode()

```
override int briar.BriarGrpc.TrackReply.GetHashCode ( )  [inline]
```

#### 7.96.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TrackReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.96.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TrackReply.MergeFrom (
            TrackReply other )  [inline]
```

#### 7.96.2.8 ToString()

```
override string briar.BriarGrpc.TrackReply.ToString ( )  [inline]
```

#### 7.96.2.9 WriteTo()

```
void briar.BriarGrpc.TrackReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.96.3 Member Data Documentation

### 7.96.3.1 DurationsFieldNumber

```
const int briar.BriarGrpc.TrackReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

### 7.96.3.2 ErrorsFieldNumber

```
const int briar.BriarGrpc.TrackReply.ErrorsFieldNumber = 7  [static]
```

Field number for the "errors" field.

### 7.96.3.3 FrameIdsFieldNumber

```
const int briar.BriarGrpc.TrackReply.FrameIdsFieldNumber = 3  [static]
```

Field number for the "frame_ids" field.

### 7.96.3.4 ModalityFieldNumber

```
const int briar.BriarGrpc.TrackReply.ModalityFieldNumber = 5  [static]
```

Field number for the "modality" field.

### 7.96.3.5 ProgressFieldNumber

```
const int briar.BriarGrpc.TrackReply.ProgressFieldNumber = 6  [static]
```

Field number for the "progress" field.

#### 7.96.3.6 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.TrackReply.ProgressOnlyReplyFieldNumber = 8  [static]
```

Field number for the "progress_only_reply" field.

#### 7.96.3.7 TrackletsFieldNumber

```
const int briar.BriarGrpc.TrackReply.TrackletsFieldNumber = 1  [static]
```

Field number for the "tracklets" field.

### 7.96.4 Property Documentation

#### 7.96.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TrackReply.Descriptor  [static], [get]
```

#### 7.96.4.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.TrackReply.Durations  [get], [set]
```

#### 7.96.4.3 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.TrackReply.Errors  [get], [set]
```

#### 7.96.4.4 FrameIds

```
pbc.RepeatedField<long> briar.BriarGrpc.TrackReply.FrameIds  [get]
```

OPTIONAL: the frame IDs associated with the tracklets

#### 7.96.4.5 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.TrackReply.Modality  [get], [set]
```

OPTIONAL: the modality of the track extracted

#### 7.96.4.6 Parser

```
pb.MessageParser<TrackReply> briar.BriarGrpc.TrackReply.Parser  [static], [get]
```

#### 7.96.4.7 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.TrackReply.Progress  [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.96.4.8 ProgressOnlyReply

```
bool briar.BriarGrpc.TrackReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.96.4.9 Tracklets

```
pbc.RepeatedField<global.briar.BriarGrpc.Tracklet> briar.BriarGrpc.TrackReply.Tracklets  [get]
```

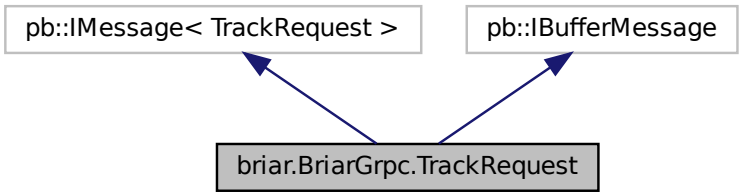
REQUIRED: set of returned tracklets

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

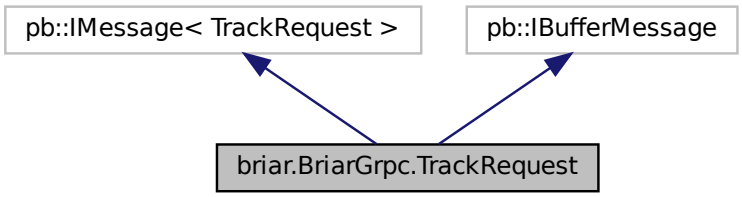
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.97 briar.BriarGrpc.TrackRequest Class Reference

Inheritance diagram for briar.BriarGrpc.TrackRequest:




Collaboration diagram for briar.BriarGrpc.TrackRequest:




### Public Member Functions

- int CalculateSize ()
- TrackRequest Clone ()
- override bool Equals (object other)
- bool Equals (TrackRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (TrackRequest other)
- override string ToString ()
- TrackRequest ()
- TrackRequest (TrackRequest other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectOptionsFieldNumber = 6

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 5

  *Field number for the "durations" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int SubjectIdFieldNumber = 3

  *Field number for the "subject_id" field.*
- const int SubjectNameFieldNumber = 4

  *Field number for the "subject_name" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *Hyperparameters to run the detection with*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *The video media to detect from*
- static pb::MessageParser< TrackRequest > Parser `[get]`
- string SubjectId `[get, set]`

  *Optional unique id of subject the video*
- string SubjectName `[get, set]`

  *Optional name of subject in the video*

### 7.97.1 Constructor & Destructor Documentation

#### 7.97.1.1 TrackRequest() [1/2]

```
briar.BriarGrpc.TrackRequest.TrackRequest ( )  [inline]
```

#### 7.97.1.2 TrackRequest() [2/2]

```
briar.BriarGrpc.TrackRequest.TrackRequest (
            TrackRequest other )  [inline]
```

### 7.97.2 Member Function Documentation

#### 7.97.2.1 CalculateSize()

```
int briar.BriarGrpc.TrackRequest.CalculateSize ( )  [inline]
```

#### 7.97.2.2 Clone()

```
TrackRequest briar.BriarGrpc.TrackRequest.Clone ( )  [inline]
```

#### 7.97.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.TrackRequest.Equals (
            object other )  [inline]
```

#### 7.97.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.TrackRequest.Equals (
            TrackRequest other )  [inline]
```

#### 7.97.2.5 GetHashCode()

```
override int briar.BriarGrpc.TrackRequest.GetHashCode ( )  [inline]
```

#### 7.97.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.TrackRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.97.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.TrackRequest.MergeFrom (
            TrackRequest other )  [inline]
```

#### 7.97.2.8 ToString()

```
override string briar.BriarGrpc.TrackRequest.ToString ( )  [inline]
```

#### 7.97.2.9 WriteTo()

```
void briar.BriarGrpc.TrackRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.97.3 Member Data Documentation

#### 7.97.3.1 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.TrackRequest.DetectOptionsFieldNumber = 6  [static]
```

Field number for the "detect_options" field.

#### 7.97.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.TrackRequest.DurationsFieldNumber = 5  [static]
```

Field number for the "durations" field.

#### 7.97.3.3 MediaFieldNumber

```
const int briar.BriarGrpc.TrackRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.97.3.4 SubjectIdFieldNumber

```
const int briar.BriarGrpc.TrackRequest.SubjectIdFieldNumber = 3  [static]
```

Field number for the "subject_id" field.

#### 7.97.3.5 SubjectNameFieldNumber

```
const int briar.BriarGrpc.TrackRequest.SubjectNameFieldNumber = 4  [static]
```

Field number for the "subject_name" field.

### 7.97.4 Property Documentation

#### 7.97.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.TrackRequest.Descriptor  [static], [get]
```

#### 7.97.4.2 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.TrackRequest.DetectOptions  [get],
[set]
```

Hyperparameters to run the detection with

#### 7.97.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.TrackRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.97.4.4 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.TrackRequest.Media  [get], [set]
```

The video media to detect from

#### 7.97.4.5 Parser

```
pb.MessageParser<TrackRequest> briar.BriarGrpc.TrackRequest.Parser  [static], [get]
```

#### 7.97.4.6 SubjectId

```
string briar.BriarGrpc.TrackRequest.SubjectId  [get], [set]
```

Optional unique id of subject the video

#### 7.97.4.7 SubjectName

```
string briar.BriarGrpc.TrackRequest.SubjectName  [get], [set]
```

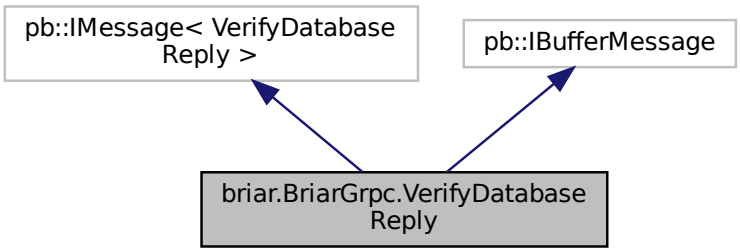
Optional name of subject in the video

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

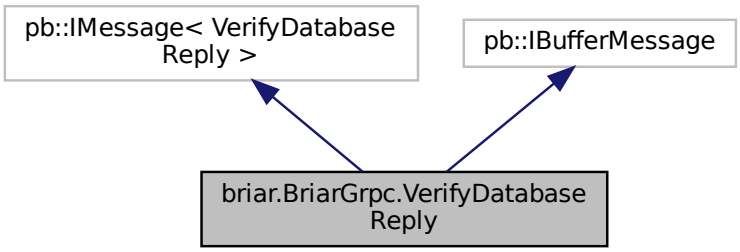
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.98 briar.BriarGrpc.VerifyDatabaseReply Class Reference

Inheritance diagram for briar.BriarGrpc.VerifyDatabaseReply:




Collaboration diagram for briar.BriarGrpc.VerifyDatabaseReply:



## Public Member Functions

- int CalculateSize ()
- VerifyDatabaseReply Clone ()
- override bool Equals (object other)
- bool Equals (VerifyDatabaseReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyDatabaseReply other)
- override string ToString ()
- VerifyDatabaseReply ()
- VerifyDatabaseReply (VerifyDatabaseReply other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int ErrorsFieldNumber = 6

  *Field number for the "errors" field.*
- const int MatchMatrixFieldNumber = 9

  *Field number for the "match_matrix" field.*
- const int MatrixGalleryAttributesFieldNumber = 17

  *Field number for the "matrix_gallery_attributes" field.*
- const int MatrixGalleryDetectionsFieldNumber = 13

  *Field number for the "matrix_gallery_detections" field.*
- const int MatrixGalleryTrackletsFieldNumber = 15

  *Field number for the "matrix_gallery_tracklets" field.*
- const int MatrixProbeAttributesFieldNumber = 16

  *Field number for the "matrix_probe_attributes" field.*
- const int MatrixProbeDetectionsFieldNumber = 12

  *Field number for the "matrix_probe_detections" field.*
- const int MatrixProbeTrackletsFieldNumber = 14

  *Field number for the "matrix_probe_tracklets" field.*
- const int ProgressFieldNumber = 7

  *Field number for the "progress" field.*
- const int UsesIntegerSubjectIdGalleryFieldNumber = 5

  *Field number for the "uses_integer_subject_id_gallery" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- global::briar.BriarGrpc.BriarMatrix MatchMatrix `[get, set]`

  *Required: A match matrix instead of a Matchlist*
- pbc::MapField< string, global::briar.BriarGrpc.MediaMetadata > MatrixGalleryAttributes `[get]`

  *Optional: extra gallery attributes*
- pbc::MapField< string, global::briar.BriarGrpc.Detection > MatrixGalleryDetections `[get]`

  *Optional: A list of detections that correspond to all entries in the gallery database*
- pbc::MapField< string, global::briar.BriarGrpc.Tracklet > MatrixGalleryTracklets `[get]`

  *Optional: A list of tracklets that correspond to all entries in the gallery database*
- pbc::MapField< string, global::briar.BriarGrpc.MediaMetadata > MatrixProbeAttributes `[get]`

*Optional: extra probe attributes*

- pbc::MapField< string, global::briar.BriarGrpc.Detection > MatrixProbeDetections [get]

  *repeated string matrix_probe_entry_types = 10; repeated string matrix_gallery_entry_types = 11;*
- pbc::MapField< string, global::briar.BriarGrpc.Tracklet > MatrixProbeTracklets [get]

  *Optional: A list of tracklets that correspond to all entries in the probe database*
- static pb::MessageParser< VerifyDatabaseReply > Parser [get]
- global::briar.BriarGrpc.BriarProgress Progress [get, set]

  *OPTIONAL: provides progress updates for progress bar display.*
- bool UsesIntegerSubjectIdGallery [get, set]

  *DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form*

## 7.98.1 Constructor & Destructor Documentation

### 7.98.1.1 VerifyDatabaseReply() [1/2]

```
briar.BriarGrpc.VerifyDatabaseReply.VerifyDatabaseReply ( )  [inline]
```

### 7.98.1.2 VerifyDatabaseReply() [2/2]

```
briar.BriarGrpc.VerifyDatabaseReply.VerifyDatabaseReply (
            VerifyDatabaseReply other )  [inline]
```

## 7.98.2 Member Function Documentation

### 7.98.2.1 CalculateSize()

```
int briar.BriarGrpc.VerifyDatabaseReply.CalculateSize ( )  [inline]
```

### 7.98.2.2 Clone()

```
VerifyDatabaseReply briar.BriarGrpc.VerifyDatabaseReply.Clone ( )  [inline]
```

#### 7.98.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyDatabaseReply.Equals (
            object other )  [inline]
```

#### 7.98.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyDatabaseReply.Equals (
            VerifyDatabaseReply other )  [inline]
```

#### 7.98.2.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyDatabaseReply.GetHashCode ( )  [inline]
```

#### 7.98.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyDatabaseReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.98.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyDatabaseReply.MergeFrom (
            VerifyDatabaseReply other )  [inline]
```

#### 7.98.2.8 ToString()

```
override string briar.BriarGrpc.VerifyDatabaseReply.ToString ( )  [inline]
```

#### 7.98.2.9 WriteTo()

```
void briar.BriarGrpc.VerifyDatabaseReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.98.3 Member Data Documentation

### 7.98.3.1 ErrorsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.ErrorsFieldNumber = 6  [static]
```

Field number for the "errors" field.

### 7.98.3.2 MatchMatrixFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatchMatrixFieldNumber = 9  [static]
```

Field number for the "match_matrix" field.

### 7.98.3.3 MatrixGalleryAttributesFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixGalleryAttributesFieldNumber = 17  [static]
```

Field number for the "matrix_gallery_attributes" field.

### 7.98.3.4 MatrixGalleryDetectionsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixGalleryDetectionsFieldNumber = 13  [static]
```

Field number for the "matrix_gallery_detections" field.

### 7.98.3.5 MatrixGalleryTrackletsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixGalleryTrackletsFieldNumber = 15  [static]
```

Field number for the "matrix_gallery_tracklets" field.

#### 7.98.3.6 MatrixProbeAttributesFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixProbeAttributesFieldNumber = 16  [static]
```

Field number for the "matrix_probe_attributes" field.

#### 7.98.3.7 MatrixProbeDetectionsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixProbeDetectionsFieldNumber = 12  [static]
```

Field number for the "matrix_probe_detections" field.

#### 7.98.3.8 MatrixProbeTrackletsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.MatrixProbeTrackletsFieldNumber = 14  [static]
```

Field number for the "matrix_probe_tracklets" field.

#### 7.98.3.9 ProgressFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.ProgressFieldNumber = 7  [static]
```

Field number for the "progress" field.

#### 7.98.3.10 UsesIntegerSubjectIdGalleryFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseReply.UsesIntegerSubjectIdGalleryFieldNumber = 5  [static]
```

Field number for the "uses_integer_subject_id_gallery" field.

### 7.98.4 Property Documentation

#### 7.98.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyDatabaseReply.Descriptor  [static], [get]
```

#### 7.98.4.2 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.VerifyDatabaseReply.Errors  [get], [set]
```

#### 7.98.4.3 MatchMatrix

```
global.briar.BriarGrpc.BriarMatrix briar.BriarGrpc.VerifyDatabaseReply.MatchMatrix  [get],
[set]
```

Required: A match matrix instead of a Matchlist

#### 7.98.4.4 MatrixGalleryAttributes

```
pbc.MapField<string, global.briar.BriarGrpc.MediaMetadata> briar.BriarGrpc.VerifyDatabase↩
Reply.MatrixGalleryAttributes  [get]
```

Optional: extra gallery attributes

#### 7.98.4.5 MatrixGalleryDetections

```
pbc.MapField<string, global.briar.BriarGrpc.Detection> briar.BriarGrpc.VerifyDatabaseReply.↩
MatrixGalleryDetections  [get]
```

Optional: A list of detections that correspond to all entries in the gallery database

#### 7.98.4.6 MatrixGalleryTracklets

```
pbc.MapField<string, global.briar.BriarGrpc.Tracklet> briar.BriarGrpc.VerifyDatabaseReply.↩
MatrixGalleryTracklets  [get]
```

Optional: A list of tracklets that correspond to all entries in the gallery database

#### 7.98.4.7 MatrixProbeAttributes

```
pbc.MapField<string, global.briar.BriarGrpc.MediaMetadata> briar.BriarGrpc.VerifyDatabase↩
Reply.MatrixProbeAttributes  [get]
```

Optional: extra probe attributes

#### 7.98.4.8 MatrixProbeDetections

```
pbc.MapField<string, global.briar.BriarGrpc.Detection> briar.BriarGrpc.VerifyDatabaseReply.↩
MatrixProbeDetections [get]
```

repeated string matrix_probe_entry_types = 10; repeated string matrix_gallery_entry_types = 11;

#### 7.98.4.9 MatrixProbeTracklets

```
pbc.MapField<string, global.briar.BriarGrpc.Tracklet> briar.BriarGrpc.VerifyDatabaseReply.↩
MatrixProbeTracklets [get]
```

Optional: A list of tracklets that correspond to all entries in the probe database

#### 7.98.4.10 Parser

```
pb.MessageParser<VerifyDatabaseReply> briar.BriarGrpc.VerifyDatabaseReply.Parser [static],
[get]
```

#### 7.98.4.11 Progress

```
global.briar.BriarGrpc.BriarProgress briar.BriarGrpc.VerifyDatabaseReply.Progress [get], [set]
```

OPTIONAL: provides progress updates for progress bar display.

See example code for details

#### 7.98.4.12 UsesIntegerSubjectIdGallery

```
bool briar.BriarGrpc.VerifyDatabaseReply.UsesIntegerSubjectIdGallery [get], [set]
```

DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form

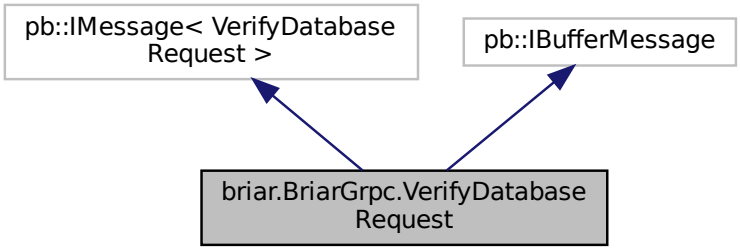
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

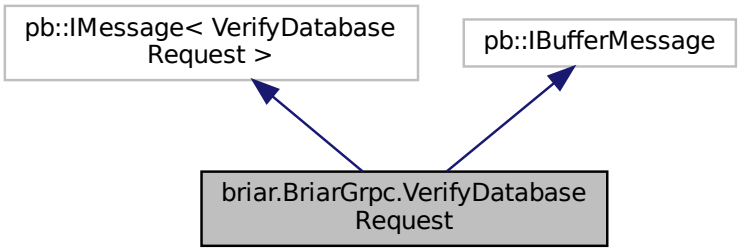
## 7.99 briar.BriarGrpc.VerifyDatabaseRequest Class Reference

This is a search that takes a gallery database and a probe database, and searches all probes against the gallery

Inheritance diagram for briar.BriarGrpc.VerifyDatabaseRequest:




Collaboration diagram for briar.BriarGrpc.VerifyDatabaseRequest:




### Public Member Functions

- int CalculateSize ()
- VerifyDatabaseRequest Clone ()
- override bool Equals (object other)
- bool Equals (VerifyDatabaseRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyDatabaseRequest other)
- override string ToString ()
- VerifyDatabaseRequest ()
- VerifyDatabaseRequest (VerifyDatabaseRequest other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DurationsFieldNumber = 8

  *Field number for the "durations" field.*
- const int ProbeEntryIdsFieldNumber = 12

  *Field number for the "probe_entry_ids" field.*
- const int ReferenceDatabaseFieldNumber = 4

  *Field number for the "reference_database" field.*
- const int VerifyDatabaseFieldNumber = 7

  *Field number for the "verify_database" field.*
- const int VerifyOptionsFieldNumber = 11

  *Field number for the "verify_options" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- static pb::MessageParser< VerifyDatabaseRequest > Parser `[get]`
- pbc::RepeatedField< string > ProbeEntryIds `[get]`

  *OPTIONAL: the list of probe database entries to search.*
- global::briar.BriarGrpc.BriarDatabase ReferenceDatabase `[get, set]`

  *REQUIRED: Database to search*
- global::briar.BriarGrpc.BriarDatabase VerifyDatabase `[get, set]`

  *SELECTION 1: probe database to to use as probe entries, instead of a BriarMedia*
- global::briar.BriarGrpc.VerifyOptions VerifyOptions `[get, set]`

### 7.99.1 Detailed Description

This is a search that takes a gallery database and a probe database, and searches all probes against the gallery

### 7.99.2 Constructor & Destructor Documentation

#### 7.99.2.1 VerifyDatabaseRequest() [1/2]

```
briar.BriarGrpc.VerifyDatabaseRequest.VerifyDatabaseRequest ( )  [inline]
```

#### 7.99.2.2 VerifyDatabaseRequest() [2/2]

```
briar.BriarGrpc.VerifyDatabaseRequest.VerifyDatabaseRequest (
            VerifyDatabaseRequest other )  [inline]
```

## 7.99.3 Member Function Documentation

### 7.99.3.1 CalculateSize()

```
int briar.BriarGrpc.VerifyDatabaseRequest.CalculateSize ( )  [inline]
```

### 7.99.3.2 Clone()

```
VerifyDatabaseRequest briar.BriarGrpc.VerifyDatabaseRequest.Clone ( )  [inline]
```

### 7.99.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyDatabaseRequest.Equals (
            object other )  [inline]
```

### 7.99.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyDatabaseRequest.Equals (
            VerifyDatabaseRequest other )  [inline]
```

### 7.99.3.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyDatabaseRequest.GetHashCode ( )  [inline]
```

### 7.99.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyDatabaseRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.99.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyDatabaseRequest.MergeFrom (
            VerifyDatabaseRequest other )  [inline]
```

#### 7.99.3.8 ToString()

```
override string briar.BriarGrpc.VerifyDatabaseRequest.ToString ( )  [inline]
```

#### 7.99.3.9 WriteTo()

```
void briar.BriarGrpc.VerifyDatabaseRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.99.4 Member Data Documentation

#### 7.99.4.1 DurationsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseRequest.DurationsFieldNumber = 8  [static]
```

Field number for the "durations" field.

#### 7.99.4.2 ProbeEntryIdsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseRequest.ProbeEntryIdsFieldNumber = 12  [static]
```

Field number for the "probe_entry_ids" field.

#### 7.99.4.3 ReferenceDatabaseFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseRequest.ReferenceDatabaseFieldNumber = 4  [static]
```

Field number for the "reference_database" field.

#### 7.99.4.4 VerifyDatabaseFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseRequest.VerifyDatabaseFieldNumber = 7  [static]
```

Field number for the "verify_database" field.

#### 7.99.4.5 VerifyOptionsFieldNumber

```
const int briar.BriarGrpc.VerifyDatabaseRequest.VerifyOptionsFieldNumber = 11  [static]
```

Field number for the "verify_options" field.

### 7.99.5 Property Documentation

#### 7.99.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyDatabaseRequest.Descriptor  [static], [get]
```

#### 7.99.5.2 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.VerifyDatabaseRequest.Durations  [get],
[set]
```

Log the time needed to complete the request on the server

#### 7.99.5.3 Parser

```
pb.MessageParser<VerifyDatabaseRequest> briar.BriarGrpc.VerifyDatabaseRequest.Parser  [static],
[get]
```

#### 7.99.5.4 ProbeEntryIds

```
pbc.RepeatedField<string> briar.BriarGrpc.VerifyDatabaseRequest.ProbeEntryIds  [get]
```

OPTIONAL: the list of probe database entries to search.

If empty search the entire probe database.

#### 7.99.5.5 ReferenceDatabase

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.VerifyDatabaseRequest.ReferenceDatabase
[get], [set]
```

REQUIRED: Database to search

#### 7.99.5.6 VerifyDatabase

```
global.briar.BriarGrpc.BriarDatabase briar.BriarGrpc.VerifyDatabaseRequest.VerifyDatabase
[get], [set]
```

SELECTION 1: probe database to to use as probe entries, instead of a BriarMedia

#### 7.99.5.7 VerifyOptions

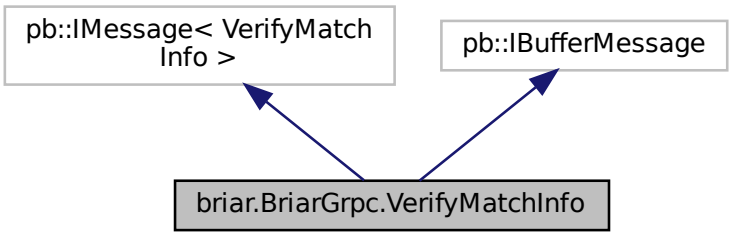
```
global.briar.BriarGrpc.VerifyOptions briar.BriarGrpc.VerifyDatabaseRequest.VerifyOptions  [get],
[set]
```

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

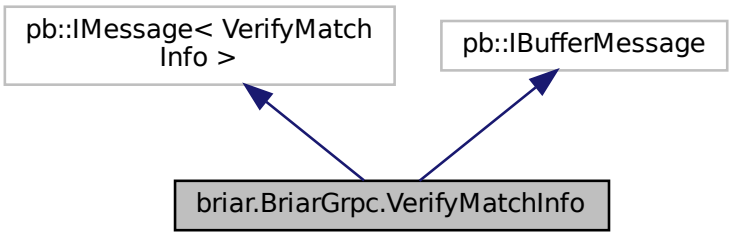
- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

## 7.100 briar.BriarGrpc.VerifyMatchInfo Class Reference

Inheritance diagram for briar.BriarGrpc.VerifyMatchInfo:



Collaboration diagram for briar.BriarGrpc.VerifyMatchInfo:




## Public Member Functions

- int CalculateSize ()
- VerifyMatchInfo Clone ()
- override bool Equals (object other)
- bool Equals (VerifyMatchInfo other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyMatchInfo other)
- override string ToString ()
- VerifyMatchInfo ()
- VerifyMatchInfo (VerifyMatchInfo other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int BodyFieldNumber = 11

  *Field number for the "body" field.*
- const int EntryIdReferenceFieldNumber = 6

  *Field number for the "entry_id_reference" field.*
- const int EntryIdVerificationFieldNumber = 7

  *Field number for the "entry_id_verification" field.*
- const int FaceFieldNumber = 10

  *Field number for the "face" field.*
- const int GateFieldNumber = 12

  *Field number for the "gate" field.*
- const int IntegerSubjectIdGalleryFieldNumber = 14

  *Field number for the "integer_subject_id_gallery" field.*
- const int MediaIdFieldNumber = 8

  *Field number for the "media_id" field.*
- const int ScoreFieldNumber = 1

  *Field number for the "score" field.*
- const int SubjectIdReferenceFieldNumber = 5

  *Field number for the "subject_id_reference" field.*

- const int SubjectIdVerifyFieldNumber = 4

  *Field number for the "subject_id_verify" field.*
- const int SubjectNameFieldNumber = 9

  *Field number for the "subject_name" field.*
- const int TheoreticalMaxFieldNumber = 3

  *Field number for the "theoretical_max" field.*
- const int TheoreticalMinFieldNumber = 2

  *Field number for the "theoretical_min" field.*
- const int UsesIntegerGalleryIdFieldNumber = 13

  *Field number for the "uses_integer_gallery_id" field.*

## Properties

- global::briar.BriarGrpc.BriarMedia Body `[get, set]`

  *OPTIONAL: Image of Body*
- static pbr::MessageDescriptor Descriptor `[get]`
- string EntryIdReference `[get, set]`

  *OPTIONAL FOR EVALUATION: the database entry id of the reference image*
- string EntryIdVerification `[get, set]`

  *OPTIONAL FOR EVALUATION: the database entry id of the gallery*
- global::briar.BriarGrpc.BriarMedia Face `[get, set]`

  *OPTIONAL: Image of face*
- global::briar.BriarGrpc.BriarMedia Gate `[get, set]`

  *OPTIONAL: Image(s) of gait*
- int IntegerSubjectIdGallery `[get, set]`

  *DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form*
- string MediaId `[get, set]`

  *OPTIONAL: ID of media that probe matched to*
- static pb::MessageParser< VerifyMatchInfo > Parser `[get]`
- float Score `[get, set]`

  *Match Similarity*
- string SubjectIdReference `[get, set]`

  *OPTIONAL: subject ID of reference image matched against*
- string SubjectIdVerify `[get, set]`

  *OPTIONAL FOR EVALUATION: subject ID of image to be verified (if known)*
- string SubjectName `[get, set]`

  *OPTIONAL: Name of subject*
- float TheoreticalMax `[get, set]`

  *OPTIONAL: the maximum score the algorithm can return*
- float TheoreticalMin `[get, set]`

  *OPTIONAL: the minimum score that the algorithm can return*
- bool UsesIntegerGalleryId `[get, set]`

  *DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form*

### 7.100.1 Constructor & Destructor Documentation

#### 7.100.1.1 VerifyMatchInfo() [1/2]

```
briar.BriarGrpc.VerifyMatchInfo.VerifyMatchInfo ( )  [inline]
```

#### 7.100.1.2 VerifyMatchInfo() [2/2]

```
briar.BriarGrpc.VerifyMatchInfo.VerifyMatchInfo (
            VerifyMatchInfo other )  [inline]
```

### 7.100.2 Member Function Documentation

#### 7.100.2.1 CalculateSize()

```
int briar.BriarGrpc.VerifyMatchInfo.CalculateSize ( )  [inline]
```

#### 7.100.2.2 Clone()

```
VerifyMatchInfo briar.BriarGrpc.VerifyMatchInfo.Clone ( )  [inline]
```

#### 7.100.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyMatchInfo.Equals (
            object other )  [inline]
```

#### 7.100.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyMatchInfo.Equals (
            VerifyMatchInfo other )  [inline]
```

#### 7.100.2.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyMatchInfo.GetHashCode ( )  [inline]
```

#### 7.100.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyMatchInfo.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.100.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyMatchInfo.MergeFrom (
            VerifyMatchInfo other )  [inline]
```

#### 7.100.2.8 ToString()

```
override string briar.BriarGrpc.VerifyMatchInfo.ToString ( )  [inline]
```

#### 7.100.2.9 WriteTo()

```
void briar.BriarGrpc.VerifyMatchInfo.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.100.3 Member Data Documentation

#### 7.100.3.1 BodyFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.BodyFieldNumber = 11  [static]
```

Field number for the "body" field.

#### 7.100.3.2 EntryIdReferenceFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.EntryIdReferenceFieldNumber = 6  [static]
```

Field number for the "entry_id_reference" field.

#### 7.100.3.3 EntryIdVerificationFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.EntryIdVerificationFieldNumber = 7  [static]
```

Field number for the "entry_id_verification" field.

#### 7.100.3.4 FaceFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.FaceFieldNumber = 10  [static]
```

Field number for the "face" field.

#### 7.100.3.5 GateFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.GateFieldNumber = 12  [static]
```

Field number for the "gate" field.

#### 7.100.3.6 IntegerSubjectIdGalleryFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.IntegerSubjectIdGalleryFieldNumber = 14  [static]
```

Field number for the "integer_subject_id_gallery" field.

#### 7.100.3.7 MediaIdFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.MediaIdFieldNumber = 8  [static]
```

Field number for the "media_id" field.

#### 7.100.3.8 ScoreFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.ScoreFieldNumber = 1  [static]
```

Field number for the "score" field.

#### 7.100.3.9 SubjectIdReferenceFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.SubjectIdReferenceFieldNumber = 5  [static]
```

Field number for the "subject_id_reference" field.

#### 7.100.3.10 SubjectIdVerifyFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.SubjectIdVerifyFieldNumber = 4  [static]
```

Field number for the "subject_id_verify" field.

#### 7.100.3.11 SubjectNameFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.SubjectNameFieldNumber = 9  [static]
```

Field number for the "subject_name" field.

#### 7.100.3.12 TheoreticalMaxFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.TheoreticalMaxFieldNumber = 3  [static]
```

Field number for the "theoretical_max" field.

#### 7.100.3.13 TheoreticalMinFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.TheoreticalMinFieldNumber = 2  [static]
```

Field number for the "theoretical_min" field.

#### 7.100.3.14 UsesIntegerGalleryIdFieldNumber

```
const int briar.BriarGrpc.VerifyMatchInfo.UsesIntegerGalleryIdFieldNumber = 13  [static]
```

Field number for the "uses_integer_gallery_id" field.

## 7.100.4 Property Documentation

### 7.100.4.1 Body

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.VerifyMatchInfo.Body  [get], [set]
```

OPTIONAL: Image of Body

### 7.100.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyMatchInfo.Descriptor  [static], [get]
```

### 7.100.4.3 EntryIdReference

```
string briar.BriarGrpc.VerifyMatchInfo.EntryIdReference  [get], [set]
```

OPTIONAL FOR EVALUATION: the database entry id of the reference image

### 7.100.4.4 EntryIdVerification

```
string briar.BriarGrpc.VerifyMatchInfo.EntryIdVerification  [get], [set]
```

OPTIONAL FOR EVALUATION: the database entry id of the gallery

### 7.100.4.5 Face

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.VerifyMatchInfo.Face  [get], [set]
```

OPTIONAL: Image of face

### 7.100.4.6 Gate

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.VerifyMatchInfo.Gate  [get], [set]
```

OPTIONAL: Image(s) of gait

#### 7.100.4.7 IntegerSubjectIdGallery

```
int briar.BriarGrpc.VerifyMatchInfo.IntegerSubjectIdGallery [get], [set]
```

DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form

#### 7.100.4.8 MediaId

```
string briar.BriarGrpc.VerifyMatchInfo.MediaId [get], [set]
```

OPTIONAL: ID of media that probe matched to

#### 7.100.4.9 Parser

```
pb.MessageParser<VerifyMatchInfo> briar.BriarGrpc.VerifyMatchInfo.Parser [static], [get]
```

#### 7.100.4.10 Score

```
float briar.BriarGrpc.VerifyMatchInfo.Score [get], [set]
```

Match Similarity

#### 7.100.4.11 SubjectIdReference

```
string briar.BriarGrpc.VerifyMatchInfo.SubjectIdReference [get], [set]
```

OPTIONAL: subject ID of reference image matched against

#### 7.100.4.12 SubjectIdVerify

```
string briar.BriarGrpc.VerifyMatchInfo.SubjectIdVerify [get], [set]
```

OPTIONAL FOR EVALUATION: subject ID of image to be verified (if known)

#### 7.100.4.13 SubjectName

```
string briar.BriarGrpc.VerifyMatchInfo.SubjectName  [get], [set]
```

OPTIONAL: Name of subject

#### 7.100.4.14 TheoreticalMax

```
float briar.BriarGrpc.VerifyMatchInfo.TheoreticalMax  [get], [set]
```

OPTIONAL: the maximum score the algorithm can return

#### 7.100.4.15 TheoreticalMin

```
float briar.BriarGrpc.VerifyMatchInfo.TheoreticalMin  [get], [set]
```

OPTIONAL: the minimum score that the algorithm can return

#### 7.100.4.16 UsesIntegerGalleryId

```
bool briar.BriarGrpc.VerifyMatchInfo.UsesIntegerGalleryId  [get], [set]
```

DEPRECATED: FOR LEGACY SYSTEMS ONLY indicates that the gallery ID returned is of integer form

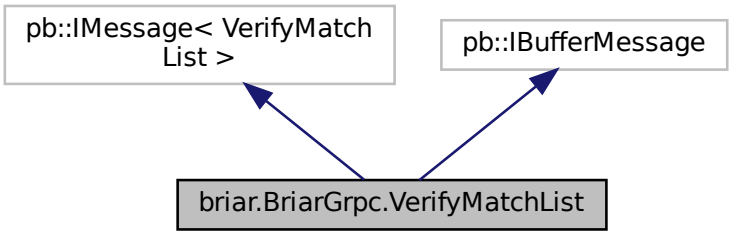
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/Briar.cs

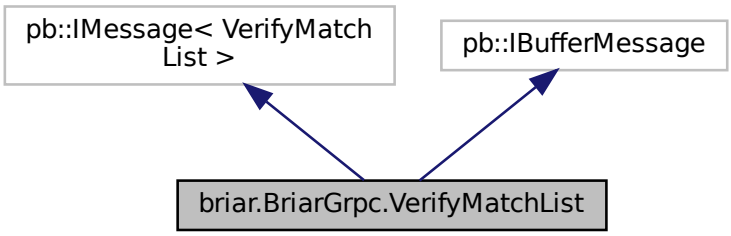
## 7.101 briar.BriarGrpc.VerifyMatchList Class Reference

List of matches

Inheritance diagram for briar.BriarGrpc.VerifyMatchList:




Collaboration diagram for briar.BriarGrpc.VerifyMatchList:




### Public Member Functions

- int CalculateSize ()
- VerifyMatchList Clone ()
- override bool Equals (object other)
- bool Equals (VerifyMatchList other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyMatchList other)
- override string ToString ()
- VerifyMatchList ()
- VerifyMatchList (VerifyMatchList other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int MatchListFieldNumber = 1

  *Field number for the "match_list" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.VerifyMatchInfo > MatchList `[get]`

  *List of verification matches*
- static pb::MessageParser< VerifyMatchList > Parser `[get]`

### 7.101.1 Detailed Description

List of matches

### 7.101.2 Constructor & Destructor Documentation

#### 7.101.2.1 VerifyMatchList() [1/2]

```
briar.BriarGrpc.VerifyMatchList.VerifyMatchList ( )  [inline]
```

#### 7.101.2.2 VerifyMatchList() [2/2]

```
briar.BriarGrpc.VerifyMatchList.VerifyMatchList (
            VerifyMatchList other )  [inline]
```

### 7.101.3 Member Function Documentation

#### 7.101.3.1 CalculateSize()

```
int briar.BriarGrpc.VerifyMatchList.CalculateSize ( )  [inline]
```

#### 7.101.3.2 Clone()

```
VerifyMatchList briar.BriarGrpc.VerifyMatchList.Clone ( )  [inline]
```

#### 7.101.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyMatchList.Equals (
            object other )  [inline]
```

#### 7.101.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyMatchList.Equals (
            VerifyMatchList other )  [inline]
```

#### 7.101.3.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyMatchList.GetHashCode ( )  [inline]
```

#### 7.101.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyMatchList.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.101.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyMatchList.MergeFrom (
            VerifyMatchList other )  [inline]
```

#### 7.101.3.8 ToString()

```
override string briar.BriarGrpc.VerifyMatchList.ToString ( )  [inline]
```

#### 7.101.3.9 WriteTo()

```
void briar.BriarGrpc.VerifyMatchList.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

## 7.101.4 Member Data Documentation

#### 7.101.4.1 MatchListFieldNumber

```
const int briar.BriarGrpc.VerifyMatchList.MatchListFieldNumber = 1  [static]
```

Field number for the "match_list" field.

## 7.101.5 Property Documentation

#### 7.101.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyMatchList.Descriptor  [static], [get]
```

#### 7.101.5.2 MatchList

```
pbc.RepeatedField<global.briar.BriarGrpc.VerifyMatchInfo> briar.BriarGrpc.VerifyMatchList.↩
MatchList  [get]
```

List of verification matches

#### 7.101.5.3 Parser

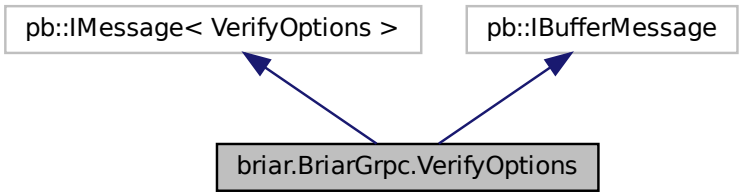
```
pb.MessageParser<VerifyMatchList> briar.BriarGrpc.VerifyMatchList.Parser  [static], [get]
```

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

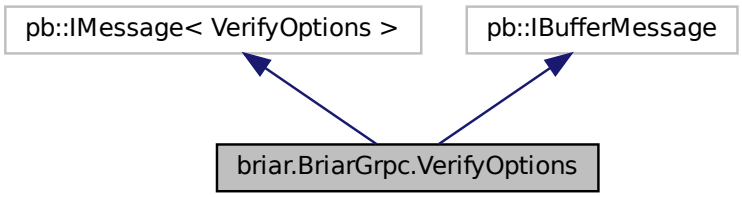
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.102 briar.BriarGrpc.VerifyOptions Class Reference

Inheritance diagram for briar.BriarGrpc.VerifyOptions:




Collaboration diagram for briar.BriarGrpc.VerifyOptions:




### Public Member Functions

- int CalculateSize ()
- VerifyOptions Clone ()
- override bool Equals (object other)
- bool Equals (VerifyOptions other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyOptions other)
- override string ToString ()
- VerifyOptions ()
- VerifyOptions (VerifyOptions other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DebugFieldNumber = 1

  *Field number for the "debug" field.*
- const int FlagFieldNumber = 11

  *Field number for the "flag" field.*
- const int ModalityFieldNumber = 13

  *Field number for the "modality" field.*
- const int ReturnMediaFieldNumber = 12

  *Field number for the "return_media" field.*
- const int UseDetectionsFieldNumber = 8

  *Field number for the "use_detections" field.*
- const int UseTemplatesFieldNumber = 9

  *Field number for the "use_templates" field.*
- const int UseWholeImageFieldNumber = 10

  *Field number for the "use_whole_image" field.*

## Properties

- global::briar.BriarGrpc.BoolOption Debug `[get, set]`

  *Defines options to use for search operations.*
- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.VerifyFlags Flag `[get, set]`
- global::briar.BriarGrpc.BiometricModality Modality `[get, set]`

  *REQUIRED: If specified use this modality for search operations.*
- static pb::MessageParser< VerifyOptions > Parser `[get]`
- global::briar.BriarGrpc.BoolOption ReturnMedia `[get, set]`

  *OPTIONAL: Should we return media (e.i.*
- global::briar.BriarGrpc.BoolOption UseDetections `[get, set]`
- global::briar.BriarGrpc.BoolOption UseTemplates `[get, set]`
- global::briar.BriarGrpc.BoolOption UseWholeImage `[get, set]`

### 7.102.1 Constructor & Destructor Documentation

#### 7.102.1.1 VerifyOptions() [1/2]

```
briar.BriarGrpc.VerifyOptions.VerifyOptions ( )  [inline]
```

#### 7.102.1.2 VerifyOptions() [2/2]

```
briar.BriarGrpc.VerifyOptions.VerifyOptions (
            VerifyOptions other )  [inline]
```

## 7.102.2 Member Function Documentation

### 7.102.2.1 CalculateSize()

```
int briar.BriarGrpc.VerifyOptions.CalculateSize ( )  [inline]
```

### 7.102.2.2 Clone()

```
VerifyOptions briar.BriarGrpc.VerifyOptions.Clone ( )  [inline]
```

### 7.102.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyOptions.Equals (
            object other )  [inline]
```

### 7.102.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyOptions.Equals (
            VerifyOptions other )  [inline]
```

### 7.102.2.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyOptions.GetHashCode ( )  [inline]
```

### 7.102.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyOptions.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.102.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyOptions.MergeFrom (
            VerifyOptions other )  [inline]
```

#### 7.102.2.8 ToString()

```
override string briar.BriarGrpc.VerifyOptions.ToString ( )  [inline]
```

#### 7.102.2.9 WriteTo()

```
void briar.BriarGrpc.VerifyOptions.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.102.3 Member Data Documentation

#### 7.102.3.1 DebugFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.DebugFieldNumber = 1  [static]
```

Field number for the "debug" field.

#### 7.102.3.2 FlagFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.FlagFieldNumber = 11  [static]
```

Field number for the "flag" field.

#### 7.102.3.3 ModalityFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.ModalityFieldNumber = 13  [static]
```

Field number for the "modality" field.

#### 7.102.3.4 ReturnMediaFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.ReturnMediaFieldNumber = 12  [static]
```

Field number for the "return_media" field.

#### 7.102.3.5 UseDetectionsFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.UseDetectionsFieldNumber = 8  [static]
```

Field number for the "use_detections" field.

#### 7.102.3.6 UseTemplatesFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.UseTemplatesFieldNumber = 9  [static]
```

Field number for the "use_templates" field.

#### 7.102.3.7 UseWholeImageFieldNumber

```
const int briar.BriarGrpc.VerifyOptions.UseWholeImageFieldNumber = 10  [static]
```

Field number for the "use_whole_image" field.

### 7.102.4 Property Documentation

#### 7.102.4.1 Debug

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.VerifyOptions.Debug  [get], [set]
```

Defines options to use for search operations.

#### 7.102.4.2 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyOptions.Descriptor  [static], [get]
```

#### 7.102.4.3 Flag

```
global.briar.BriarGrpc.VerifyFlags briar.BriarGrpc.VerifyOptions.Flag  [get], [set]
```

#### 7.102.4.4 Modality

```
global.briar.BriarGrpc.BiometricModality briar.BriarGrpc.VerifyOptions.Modality  [get], [set]
```

REQUIRED: If specified use this modality for search operations.

If "UNSPECIFIED" fuse modalities together.

#### 7.102.4.5 Parser

```
pb.MessageParser<VerifyOptions> briar.BriarGrpc.VerifyOptions.Parser  [static], [get]
```

#### 7.102.4.6 ReturnMedia

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.VerifyOptions.ReturnMedia  [get], [set]
```

OPTIONAL: Should we return media (e.i.

cropped images) related to the detections back to the client?

#### 7.102.4.7 UseDetections

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.VerifyOptions.UseDetections  [get], [set]
```

#### 7.102.4.8 UseTemplates

```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.VerifyOptions.UseTemplates  [get], [set]
```

#### 7.102.4.9 UseWholeImage

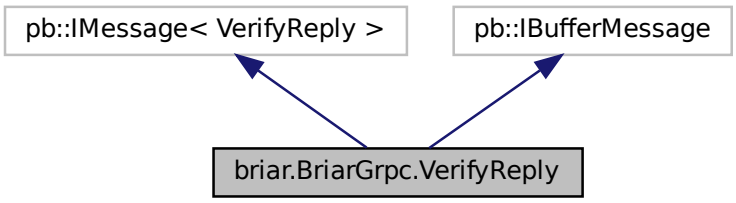
```
global.briar.BriarGrpc.BoolOption briar.BriarGrpc.VerifyOptions.UseWholeImage  [get], [set]
```

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

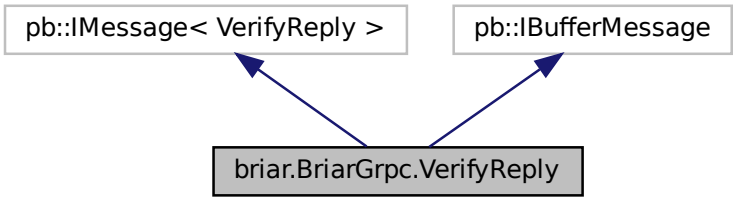
- /home/qdb/git/briar-api/lib/csharp/Briar.cs

## 7.103 briar.BriarGrpc.VerifyReply Class Reference

Inheritance diagram for briar.BriarGrpc.VerifyReply:




Collaboration diagram for briar.BriarGrpc.VerifyReply:




### Public Member Functions

- int CalculateSize ()
- VerifyReply Clone ()
- override bool Equals (object other)
- bool Equals (VerifyReply other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyReply other)
- override string ToString ()
- VerifyReply ()
- VerifyReply (VerifyReply other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectReplyFieldNumber = 4

  *Field number for the "detect_reply" field.*
- const int DurationsFieldNumber = 2

  *Field number for the "durations" field.*
- const int ErrorsFieldNumber = 3

  *Field number for the "errors" field.*
- const int ExtractReplyFieldNumber = 5

  *Field number for the "extract_reply" field.*
- const int ProgressOnlyReplyFieldNumber = 6

  *Field number for the "progress_only_reply" field.*
- const int SimilaritiesFieldNumber = 1

  *Field number for the "similarities" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- global::briar.BriarGrpc.DetectReply DetectReply `[get, set]`

  *OPTIONAL: A dectect reply to be populated if the service is sending intermediate detection results back to the client*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.BriarErrors Errors `[get, set]`
- global::briar.BriarGrpc.ExtractReply ExtractReply `[get, set]`

  *OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client*
- static pb::MessageParser< VerifyReply > Parser `[get]`
- bool ProgressOnlyReply `[get, set]`

  *REQUIRED: set to true if this is a reply only providing a progress update to the API.*
- global::briar.BriarGrpc.VerifyMatchList Similarities `[get, set]`

  *REQUIRED: Match list showing similarities*

### 7.103.1 Constructor & Destructor Documentation

#### 7.103.1.1 VerifyReply() [1/2]

```
briar.BriarGrpc.VerifyReply.VerifyReply ( )  [inline]
```

#### 7.103.1.2 VerifyReply() [2/2]

```
briar.BriarGrpc.VerifyReply.VerifyReply (
            VerifyReply other )  [inline]
```

## 7.103.2 Member Function Documentation

### 7.103.2.1 CalculateSize()

```
int briar.BriarGrpc.VerifyReply.CalculateSize ( )  [inline]
```

### 7.103.2.2 Clone()

```
VerifyReply briar.BriarGrpc.VerifyReply.Clone ( )  [inline]
```

### 7.103.2.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyReply.Equals (
            object other )  [inline]
```

### 7.103.2.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyReply.Equals (
            VerifyReply other )  [inline]
```

### 7.103.2.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyReply.GetHashCode ( )  [inline]
```

### 7.103.2.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyReply.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.103.2.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyReply.MergeFrom (
            VerifyReply other )  [inline]
```

#### 7.103.2.8 ToString()

```
override string briar.BriarGrpc.VerifyReply.ToString ( )  [inline]
```

#### 7.103.2.9 WriteTo()

```
void briar.BriarGrpc.VerifyReply.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.103.3 Member Data Documentation

#### 7.103.3.1 DetectReplyFieldNumber

```
const int briar.BriarGrpc.VerifyReply.DetectReplyFieldNumber = 4  [static]
```

Field number for the "detect_reply" field.

#### 7.103.3.2 DurationsFieldNumber

```
const int briar.BriarGrpc.VerifyReply.DurationsFieldNumber = 2  [static]
```

Field number for the "durations" field.

#### 7.103.3.3 ErrorsFieldNumber

```
const int briar.BriarGrpc.VerifyReply.ErrorsFieldNumber = 3  [static]
```

Field number for the "errors" field.

#### 7.103.3.4 ExtractReplyFieldNumber

```
const int briar.BriarGrpc.VerifyReply.ExtractReplyFieldNumber = 5  [static]
```

Field number for the "extract_reply" field.

#### 7.103.3.5 ProgressOnlyReplyFieldNumber

```
const int briar.BriarGrpc.VerifyReply.ProgressOnlyReplyFieldNumber = 6  [static]
```

Field number for the "progress_only_reply" field.

#### 7.103.3.6 SimilaritiesFieldNumber

```
const int briar.BriarGrpc.VerifyReply.SimilaritiesFieldNumber = 1  [static]
```

Field number for the "similarities" field.

### 7.103.4 Property Documentation

#### 7.103.4.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyReply.Descriptor  [static], [get]
```

#### 7.103.4.2 DetectReply

```
global.briar.BriarGrpc.DetectReply briar.BriarGrpc.VerifyReply.DetectReply  [get], [set]
```

OPTIONAL: A dectect reply to be populated if the service is sending intermediate detection results back to the client

#### 7.103.4.3 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.VerifyReply.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.103.4.4 Errors

```
global.briar.BriarGrpc.BriarErrors briar.BriarGrpc.VerifyReply.Errors  [get], [set]
```

#### 7.103.4.5 ExtractReply

```
global.briar.BriarGrpc.ExtractReply briar.BriarGrpc.VerifyReply.ExtractReply  [get], [set]
```

OPTIONAL: An extract reply to be populated if the service is sending intermediate extraction results back to the client

#### 7.103.4.6 Parser

```
pb.MessageParser<VerifyReply> briar.BriarGrpc.VerifyReply.Parser  [static], [get]
```

#### 7.103.4.7 ProgressOnlyReply

```
bool briar.BriarGrpc.VerifyReply.ProgressOnlyReply  [get], [set]
```

REQUIRED: set to true if this is a reply only providing a progress update to the API.

If progress_only_reply is set to True, nothing else in the reply needs to be populated

#### 7.103.4.8 Similarities

```
global.briar.BriarGrpc.VerifyMatchList briar.BriarGrpc.VerifyReply.Similarities  [get], [set]
```

REQUIRED: Match list showing similarities

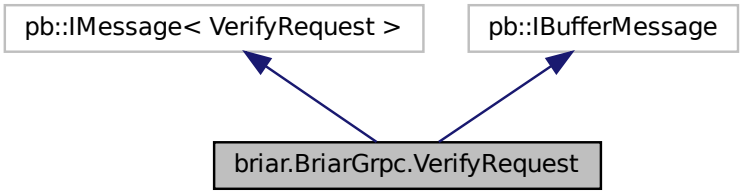
The documentation for this class was generated from the following file:

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

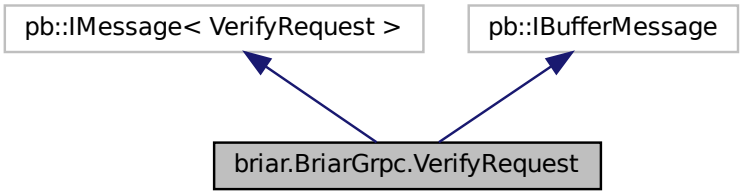
## 7.104 briar.BriarGrpc.VerifyRequest Class Reference

Performs 1-to-1 Media Verification in a streaming paradigm (streams reference media in first, then streams in verification media

Inheritance diagram for briar.BriarGrpc.VerifyRequest:




Collaboration diagram for briar.BriarGrpc.VerifyRequest:




### Classes

- class **Types**

  *Container for nested types declared in the VerifyRequest message type.*

### Public Member Functions

- int CalculateSize ()
- VerifyRequest Clone ()
- override bool Equals (object other)
- bool Equals (VerifyRequest other)
- override int GetHashCode ()
- void MergeFrom (pb::CodedInputStream input)
- void MergeFrom (VerifyRequest other)
- override string ToString ()
- VerifyRequest ()
- VerifyRequest (VerifyRequest other)
- void WriteTo (pb::CodedOutputStream output)

## Static Public Attributes

- const int DetectionsFieldNumber = 3

  *Field number for the "detections" field.*
- const int DetectOptionsFieldNumber = 6

  *Field number for the "detect_options" field.*
- const int DurationsFieldNumber = 5

  *Field number for the "durations" field.*
- const int ExtractOptionsFieldNumber = 7

  *Field number for the "extract_options" field.*
- const int FlagFieldNumber = 9

  *Field number for the "flag" field.*
- const int MediaFieldNumber = 1

  *Field number for the "media" field.*
- const int ReferenceTmplsFieldNumber = 4

  *Field number for the "reference_tmpls" field.*
- const int RoleFieldNumber = 2

  *Field number for the "role" field.*
- const int VerifyOptionsFieldNumber = 8

  *Field number for the "verify_options" field.*

## Properties

- static pbr::MessageDescriptor Descriptor `[get]`
- pbc::RepeatedField< global::briar.BriarGrpc.Detection > Detections `[get]`

  *OPTIONAL Reference Images*
- global::briar.BriarGrpc.DetectionOptions DetectOptions `[get, set]`

  *REQUIRED options for detection*
- global::briar.BriarGrpc.BriarDurations Durations `[get, set]`

  *Log the time needed to complete the request on the server*
- global::briar.BriarGrpc.ExtractOptions ExtractOptions `[get, set]`

  *REQUIRED options for extraction*
- global::briar.BriarGrpc.VerifyFlags Flag `[get, set]`

  *flags to control whether to verify from templates, images, or detections+images*
- global::briar.BriarGrpc.BriarMedia Media `[get, set]`

  *REQUIRED Frames to be verified.*
- static pb::MessageParser< VerifyRequest > Parser `[get]`
- global::briar.BriarGrpc.TemplateList ReferenceTmpls `[get, set]`

  *OPTIONAL Reference Templates*
- global::briar.BriarGrpc.VerifyRequest.Types.VerifyRole Role `[get, set]`

  *REQUIRED set this to "reference" for all reference input, and "verify" if if the given request contains media to be verified*
- global::briar.BriarGrpc.VerifyOptions VerifyOptions `[get, set]`

  *REQUIRED options for verification*

### 7.104.1 Detailed Description

Performs 1-to-1 Media Verification in a streaming paradigm (streams reference media in first, then streams in verification media

## 7.104.2 Constructor & Destructor Documentation

### 7.104.2.1 VerifyRequest() [1/2]

```
briar.BriarGrpc.VerifyRequest.VerifyRequest ( )  [inline]
```

### 7.104.2.2 VerifyRequest() [2/2]

```
briar.BriarGrpc.VerifyRequest.VerifyRequest (
            VerifyRequest other )  [inline]
```

## 7.104.3 Member Function Documentation

### 7.104.3.1 CalculateSize()

```
int briar.BriarGrpc.VerifyRequest.CalculateSize ( )  [inline]
```

### 7.104.3.2 Clone()

```
VerifyRequest briar.BriarGrpc.VerifyRequest.Clone ( )  [inline]
```

### 7.104.3.3 Equals() [1/2]

```
override bool briar.BriarGrpc.VerifyRequest.Equals (
            object other )  [inline]
```

### 7.104.3.4 Equals() [2/2]

```
bool briar.BriarGrpc.VerifyRequest.Equals (
            VerifyRequest other )  [inline]
```

#### 7.104.3.5 GetHashCode()

```
override int briar.BriarGrpc.VerifyRequest.GetHashCode ( )  [inline]
```

#### 7.104.3.6 MergeFrom() [1/2]

```
void briar.BriarGrpc.VerifyRequest.MergeFrom (
            pb::CodedInputStream input )  [inline]
```

#### 7.104.3.7 MergeFrom() [2/2]

```
void briar.BriarGrpc.VerifyRequest.MergeFrom (
            VerifyRequest other )  [inline]
```

#### 7.104.3.8 ToString()

```
override string briar.BriarGrpc.VerifyRequest.ToString ( )  [inline]
```

#### 7.104.3.9 WriteTo()

```
void briar.BriarGrpc.VerifyRequest.WriteTo (
            pb::CodedOutputStream output )  [inline]
```

### 7.104.4 Member Data Documentation

#### 7.104.4.1 DetectionsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.DetectionsFieldNumber = 3  [static]
```

Field number for the "detections" field.

#### 7.104.4.2 DetectOptionsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.DetectOptionsFieldNumber = 6  [static]
```

Field number for the "detect_options" field.

#### 7.104.4.3 DurationsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.DurationsFieldNumber = 5  [static]
```

Field number for the "durations" field.

#### 7.104.4.4 ExtractOptionsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.ExtractOptionsFieldNumber = 7  [static]
```

Field number for the "extract_options" field.

#### 7.104.4.5 FlagFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.FlagFieldNumber = 9  [static]
```

Field number for the "flag" field.

#### 7.104.4.6 MediaFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.MediaFieldNumber = 1  [static]
```

Field number for the "media" field.

#### 7.104.4.7 ReferenceTmplsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.ReferenceTmplsFieldNumber = 4  [static]
```

Field number for the "reference_tmpls" field.

#### 7.104.4.8 RoleFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.RoleFieldNumber = 2  [static]
```

Field number for the "role" field.

#### 7.104.4.9 VerifyOptionsFieldNumber

```
const int briar.BriarGrpc.VerifyRequest.VerifyOptionsFieldNumber = 8  [static]
```

Field number for the "verify_options" field.

### 7.104.5 Property Documentation

#### 7.104.5.1 Descriptor

```
pbr.MessageDescriptor briar.BriarGrpc.VerifyRequest.Descriptor  [static], [get]
```

#### 7.104.5.2 Detections

```
pbc.RepeatedField<global.briar.BriarGrpc.Detection> briar.BriarGrpc.VerifyRequest.Detections
[get]
```

OPTIONAL Reference Images

#### 7.104.5.3 DetectOptions

```
global.briar.BriarGrpc.DetectionOptions briar.BriarGrpc.VerifyRequest.DetectOptions  [get],
[set]
```

REQUIRED options for detection

#### 7.104.5.4 Durations

```
global.briar.BriarGrpc.BriarDurations briar.BriarGrpc.VerifyRequest.Durations  [get], [set]
```

Log the time needed to complete the request on the server

#### 7.104.5.5 ExtractOptions

```
global.briar.BriarGrpc.ExtractOptions briar.BriarGrpc.VerifyRequest.ExtractOptions  [get],
[set]
```

REQUIRED options for extraction

#### 7.104.5.6 Flag

```
global.briar.BriarGrpc.VerifyFlags briar.BriarGrpc.VerifyRequest.Flag  [get], [set]
```

flags to control whether to verify from templates, images, or detections+images

#### 7.104.5.7 Media

```
global.briar.BriarGrpc.BriarMedia briar.BriarGrpc.VerifyRequest.Media  [get], [set]
```

REQUIRED Frames to be verified.

#### 7.104.5.8 Parser

```
pb.MessageParser<VerifyRequest> briar.BriarGrpc.VerifyRequest.Parser  [static], [get]
```

#### 7.104.5.9 ReferenceTmpls

```
global.briar.BriarGrpc.TemplateList briar.BriarGrpc.VerifyRequest.ReferenceTmpls  [get], [set]
```

OPTIONAL Reference Templates

#### 7.104.5.10 Role

```
global.briar.BriarGrpc.VerifyRequest.Types.VerifyRole briar.BriarGrpc.VerifyRequest.Role  [get],
[set]
```

REQUIRED set this to "reference" for all reference input, and "verify" if if the given request contains media to be verified

#### 7.104.5.11 VerifyOptions

```
global.briar.BriarGrpc.VerifyOptions briar.BriarGrpc.VerifyRequest.VerifyOptions  [get], [set]
```

REQUIRED options for verification

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

- /home/qdb/git/briar-api/lib/csharp/BriarService.cs

# Chapter 8

# File Documentation

## 8.1 /home/qdb/git/briar-api/lib/csharp/Briar.cs File Reference

### Classes

- class briar.BriarGrpc.APIVersion

  *Query the implementation for the version*
- class briar.BriarGrpc.Attribute
- class briar.BriarGrpc.BoolOption
- class briar.BriarGrpc.BriarDatabase

  *Stores images/detections/feature_vectors together in a searchable/referenceable data structure*
- class briar.BriarGrpc.BriarDatabaseInfo

  *A message used for reporting information about a specific database*
- class briar.BriarGrpc.BriarDuration
- class briar.BriarGrpc.BriarDurations

  *Data structure to contain timing information for BRIAR functions.*
- class briar.BriarGrpc.BriarDurationsList
- class briar.BriarGrpc.BriarMatrix

  *message to hold a vector of vectors*
- class briar.BriarGrpc.BriarMedia

  *Media*
- class briar.BriarGrpc.BriarPoint2D

  *message to hold a point*
- class briar.BriarGrpc.BriarProgress

  *message that contains progress*
- class briar.BriarGrpc.BriarRect

  *TODO optionally break this out into briar_geometry.proto message to hold rectangle*
- class **briar.BriarGrpc.BriarReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar.proto*
- class briar.BriarGrpc.BriarVector

  *message to hold a vector*
- class briar.BriarGrpc.ClusterConfidence

  *A messageure to represent a list of cluster confidence objects.*
- class briar.BriarGrpc.ClusterIds

  *A message to represent a list of cluster ids objects.*
- class briar.BriarGrpc.Detection

*Data relating to the detection of an object in an image.*

- class briar.BriarGrpc.DetectionOptions

  *Configuration for the detection algorithm*
- class briar.BriarGrpc.EnhanceOptions

  *Configuration for the detection algorithm*
- class briar.BriarGrpc.EnrollmentInfo

  *Information about the entity being enrolled*
- class briar.BriarGrpc.EnrollOptions

  *Defines actions to take when enrolling into a gallery*
- class briar.BriarGrpc.ExtractOptions

  *Options to extract a detected subject from an image*
- class briar.BriarGrpc.FloatOption
- class briar.BriarGrpc.FrameMetadata
- class briar.BriarGrpc.IntOption
- class briar.BriarGrpc.MediaMetadata
- class briar.BriarGrpc.Record
- class briar.BriarGrpc.RecordList

  *DEPRICATED: records are not used at this time.*
- class briar.BriarGrpc.SearchMatchInfo

  *Information about a match*
- class briar.BriarGrpc.SearchMatchList

  *List of matches*
- class briar.BriarGrpc.SearchOptions
- class briar.BriarGrpc.StringOption
- class briar.BriarGrpc.Template

  *Data structure to hold signature generated from an extraction.*
- class briar.BriarGrpc.TemplateData

  *Mapping item to store a simple part of multipart/multimodal templates.*
- class briar.BriarGrpc.TemplateIds

  *A message representing a list of unique template ids.*
- class briar.BriarGrpc.TemplateImageInput

  *Data structure to keep image data and detections together*
- class briar.BriarGrpc.TemplateList

  *List of template*
- class briar.BriarGrpc.TemplateListGroup

  *List of List of templates*
- class briar.BriarGrpc.TrackingOptions

  *Configuration for the tracking algorithms*
- class briar.BriarGrpc.Tracklet

  *Represents a time-wise track of a detected instance*
- class **briar.BriarGrpc.BriarMedia.Types**

  *Container for nested types declared in the BriarMedia message type.*
- class briar.BriarGrpc.VerifyMatchInfo
- class briar.BriarGrpc.VerifyMatchList

  *List of matches*
- class briar.BriarGrpc.VerifyOptions

## Namespaces

- namespace briar
- namespace briar.BriarGrpc

## Typedefs

- using pb = global::Google.Protobuf
- using pbc = global::Google.Protobuf.Collections
- using pbr = global::Google.Protobuf.Reflection
- using scg = global::System.Collections.Generic

## Enumerations

- enum class briar.BriarGrpc.BiometricModality {
  briar.BriarGrpc.Unspecified = 0 , briar.BriarGrpc.WholeBody = 1 , briar.BriarGrpc.Face = 2 , briar.BriarGrpc.Gait = 3 ,
  briar.BriarGrpc.Body = 4 , briar.BriarGrpc.Anthropometry = 5 , briar.BriarGrpc.Head = 6 , briar.BriarGrpc.Behavior = 7 ,
  briar.BriarGrpc.SoftBiometrics = 8 , briar.BriarGrpc.Fingerprint = 9 , briar.BriarGrpc.Iris = 10 , briar.BriarGrpc.Voice = 11 ,
  briar.BriarGrpc.Hand = 12 , briar.BriarGrpc.Ear = 13 , briar.BriarGrpc.Palm = 14 , briar.BriarGrpc.Other = 15 }

  *Used to specify general biometric modalities.*
- enum class briar.BriarGrpc.BriarDataType {
  briar.BriarGrpc.Empty = 0 , briar.BriarGrpc.String = 1 , briar.BriarGrpc.Int = 2 , briar.BriarGrpc.Float = 3 ,
  briar.BriarGrpc.Bytes = 4 , briar.BriarGrpc.Vector = 5 , briar.BriarGrpc.Pickle = 6 , briar.BriarGrpc.Xml = 7 ,
  briar.BriarGrpc.Json = 8 , briar.BriarGrpc.Matrix = 9 , briar.BriarGrpc.Media = 11 , briar.BriarGrpc.Point = 12 ,
  briar.BriarGrpc.Rect = 13 , briar.BriarGrpc.Buffer = 14 }

  *Enumeration for data types used by Briar*
- enum class briar.BriarGrpc.BriarServiceStatus { briar.BriarGrpc.Unknown = 0 , briar.BriarGrpc.Ready = 1 , briar.BriarGrpc.Error = 2 , briar.BriarGrpc.Busy = 3 }

  *Representation of the service's current status*
- enum class briar.BriarGrpc.EnrollFlags { briar.BriarGrpc.EnrollFullImage = 0 , briar.BriarGrpc.EnrollAutoDetection = 1 , briar.BriarGrpc.EnrollProvidedDetection = 2 , briar.BriarGrpc.EnrollProvidedTemplate = 3 }

  *Flags tell service what mode to run in when running enroll command*
- enum class briar.BriarGrpc.EntryType { briar.BriarGrpc.Unknown = 0 , briar.BriarGrpc.Subject = 1 , briar.BriarGrpc.Media = 2 }
- enum class briar.BriarGrpc.ExtractFlags { briar.BriarGrpc.ExtractFullImage = 0 , briar.BriarGrpc.ExtractAutoDetection = 1 , briar.BriarGrpc.ExtractProvidedDetection = 2 }

  *Flag tells service what mode to run in when running an extract command*
- enum class briar.BriarGrpc.FeatureVectorType {
  briar.BriarGrpc.BriarInt8 = 0 , briar.BriarGrpc.BriarInt16 = 1 , briar.BriarGrpc.BriarInt32 = 2 , briar.BriarGrpc.BriarInt64 = 3 ,
  briar.BriarGrpc.BriarUint8 = 4 , briar.BriarGrpc.BriarUint16 = 5 , briar.BriarGrpc.BriarUint32 = 6 , briar.BriarGrpc.BriarUint64 = 7 ,
  briar.BriarGrpc.BriarFloat = 8 , briar.BriarGrpc.BriarDouble = 9 }

  *The data type of the feature vector returned by template_get_feature_vector*
- enum class briar.BriarGrpc.SearchFlags { briar.BriarGrpc.SearchFullImage = 0 , briar.BriarGrpc.SearchAutoDetection = 1 , briar.BriarGrpc.SearchProvidedDetections = 2 , briar.BriarGrpc.SearchProvidedTemplates = 3 }

  *Tells service what mode to run in when running search command*
- enum class briar.BriarGrpc.VerifyFlags { briar.BriarGrpc.VerifyFullImage = 0 , briar.BriarGrpc.VerifyAutoDetection = 1 , briar.BriarGrpc.VerifyProvidedDetections = 2 , briar.BriarGrpc.VerifyProvidedTemplates = 3 }

  *Flag tells service what mode to run in when running verify command*

### 8.1.1 Typedef Documentation

#### 8.1.1.1 pb

```
using pb = global.Google.Protobuf
```

#### 8.1.1.2 pbc

```
using pbc = global.Google.Protobuf.Collections
```

#### 8.1.1.3 pbr

```
using pbr = global.Google.Protobuf.Reflection
```

#### 8.1.1.4 scg

```
using scg = global.System.Collections.Generic
```

## 8.2 /home/qdb/git/briar-api/lib/csharp/briar/briar_grpc/BriarService↩ Grpc.cs File Reference

### Classes

- class **briar.BriarGrpc.BRIARService**

  *BRAIR solutions will be implemented as gRPC services.*
- class briar.BriarGrpc.BRIARService.BRIARServiceBase

  *Base class for server-side implementations of BRIARService*
- class briar.BriarGrpc.BRIARService.BRIARServiceClient

  *Client for BRIARService*

### Namespaces

- namespace briar
- namespace briar.BriarGrpc

### Typedefs

- using grpc = global::Grpc.Core

### 8.2.1 Typedef Documentation

#### 8.2.1.1 grpc

```
using grpc = global.Grpc.Core
```

## 8.3 /home/qdb/git/briar-api/lib/csharp/BriarError.cs File Reference

### Classes

- class briar.BriarGrpc.BriarErrorMessage

  *Human readable Error message with code*
- class **briar.BriarGrpc.BriarErrorReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar_error.proto*
- class briar.BriarGrpc.BriarErrors

  *List of errors*

### Namespaces

- namespace briar
- namespace briar.BriarGrpc

### Typedefs

- using pb = global::Google.Protobuf
- using pbc = global::Google.Protobuf.Collections
- using pbr = global::Google.Protobuf.Reflection
- using scg = global::System.Collections.Generic

### Enumerations

- enum class briar.BriarGrpc.BriarError {
  briar.BriarGrpc.BriarSuccess = 0 , briar.BriarGrpc.BriarUnknownError = 1 , briar.BriarGrpc.BriarInternalError
  = 2 , briar.BriarGrpc.BriarOutOfMemory = 3 ,
  briar.BriarGrpc.BriarInvalidSdkPath = 4 , briar.BriarGrpc.BriarBadSdkConfig = 5 , briar.BriarGrpc.BriarBadLicense
  = 6 , briar.BriarGrpc.BriarMissingData = 7 ,
  briar.BriarGrpc.BriarInvalidGpu = 8 , briar.BriarGrpc.BriarBadArgument = 9 , briar.BriarGrpc.BriarOpenError
  = 10 , briar.BriarGrpc.BriarReadError = 11 ,
  briar.BriarGrpc.BriarWriteError = 12 , briar.BriarGrpc.BriarParseError = 13 , briar.BriarGrpc.BriarInvalidMedia
  = 14 , briar.BriarGrpc.BriarOutOfBoundsAccess = 15 ,
  briar.BriarGrpc.BriarMediaAtEnd = 16 , briar.BriarGrpc.BriarInvalidAttributeKey = 17 , briar.BriarGrpc.BriarMissingAttribute
  = 18 , briar.BriarGrpc.BriarDuplicateId = 19 ,
  briar.BriarGrpc.BriarMissingId = 20 , briar.BriarGrpc.BriarMissingFileName = 21 , briar.BriarGrpc.BriarIncorrectRole
  = 22 , briar.BriarGrpc.BriarFailureToSerialize = 23 ,
  briar.BriarGrpc.BriarFailureToDeserialize = 24 , briar.BriarGrpc.BriarBatchAbortedEarly = 25 , briar.BriarGrpc.BriarBatchFinishe
  = 26 , briar.BriarGrpc.BriarCallbackExitImmediately = 27 ,
  briar.BriarGrpc.BriarNotImplemented = 28 , briar.BriarGrpc.BriarNumErrors = 29 }

  *Enum to define the different Briar error codes*

### 8.3.1 Typedef Documentation

#### 8.3.1.1 pb

```
using pb = global.Google.Protobuf
```

#### 8.3.1.2 pbc

```
using pbc = global.Google.Protobuf.Collections
```

#### 8.3.1.3 pbr

```
using pbr = global.Google.Protobuf.Reflection
```

#### 8.3.1.4 scg

```
using scg = global.System.Collections.Generic
```

## 8.4 /home/qdb/git/briar-api/lib/csharp/BriarService.cs File Reference

### Classes

- class briar.BriarGrpc.BriarServiceConfigurationReply
- class briar.BriarGrpc.BriarServiceConfigurationRequest
- class **briar.BriarGrpc.BriarServiceReflection**

  *Holder for reflection information generated from briar/briar_grpc/briar_service.proto*
- class briar.BriarGrpc.ClusterReply
- class briar.BriarGrpc.ClusterRequest
- class briar.BriarGrpc.DatabaseCheckpointReply
- class briar.BriarGrpc.DatabaseCheckpointRequest
- class briar.BriarGrpc.DatabaseCheckpointSubjectRequest
- class briar.BriarGrpc.DatabaseCreateReply
- class briar.BriarGrpc.DatabaseCreateRequest
- class briar.BriarGrpc.DatabaseDeleteReply
- class briar.BriarGrpc.DatabaseDeleteRequest
- class briar.BriarGrpc.DatabaseFinalizeReply
- class briar.BriarGrpc.DatabaseFinalizeRequest
- class briar.BriarGrpc.DatabaseHasEntryReply
- class briar.BriarGrpc.DatabaseHasEntryRequest

- class briar.BriarGrpc.DatabaseInfoReply
- class briar.BriarGrpc.DatabaseInfoRequest
- class briar.BriarGrpc.DatabaseInsertReply
- class briar.BriarGrpc.DatabaseInsertRequest
- class briar.BriarGrpc.DatabaseListentriesReply
- class briar.BriarGrpc.DatabaseListEntriesRequest
- class briar.BriarGrpc.DatabaseListReply
- class briar.BriarGrpc.DatabaseListRequest
- class briar.BriarGrpc.DatabaseLoadReply
- class briar.BriarGrpc.DatabaseLoadRequest
- class briar.BriarGrpc.DatabaseMergeReply
- class briar.BriarGrpc.DatabaseMergeRequest
- class briar.BriarGrpc.DatabaseMoveEntryReply
- class briar.BriarGrpc.DatabaseMoveEntryRequest
- class briar.BriarGrpc.DatabaseRemoveTmplsReply
- class briar.BriarGrpc.DatabaseRemoveTmplsRequest
- class briar.BriarGrpc.DatabaseRenameReply
- class briar.BriarGrpc.DatabaseRenameRequest
- class briar.BriarGrpc.DatabaseRetrieveReply
- class briar.BriarGrpc.DatabaseRetrieveRequest

  *OPTIONAL: request that returns a databases contents to the client.*
- class briar.BriarGrpc.DetectReply
- class briar.BriarGrpc.DetectRequest
- class briar.BriarGrpc.Empty
- class briar.BriarGrpc.EnhanceReply
- class briar.BriarGrpc.EnhanceRequest
- class briar.BriarGrpc.EnrollCustomRequest
- class briar.BriarGrpc.EnrollReply
- class briar.BriarGrpc.EnrollRequest
- class briar.BriarGrpc.ExtractReply
- class briar.BriarGrpc.ExtractRequest
- class briar.BriarGrpc.SearchDatabaseReply
- class briar.BriarGrpc.SearchDatabaseRequest

  *This is a search that takes a gallery database and a probe database, and searches all probes against the gallery*
- class briar.BriarGrpc.SearchReply
- class briar.BriarGrpc.SearchRequest

  *There are three options on how to run a search.*
- class briar.BriarGrpc.StatusReply

  *Returns basic status and information on the service and its version as well as additional options and features supported.*
- class briar.BriarGrpc.StatusRequest

  *Request status on the service.*
- class briar.BriarGrpc.TrackReply
- class briar.BriarGrpc.TrackRequest
- class **briar.BriarGrpc.VerifyRequest.Types**

  *Container for nested types declared in the VerifyRequest message type.*
- class briar.BriarGrpc.VerifyDatabaseReply
- class briar.BriarGrpc.VerifyDatabaseRequest

  *This is a search that takes a gallery database and a probe database, and searches all probes against the gallery*
- class briar.BriarGrpc.VerifyReply
- class briar.BriarGrpc.VerifyRequest

  *Performs 1-to-1 Media Verification in a streaming paradigm (streams reference media in first, then streams in verification media*

### Namespaces

- namespace briar
- namespace briar.BriarGrpc

### Typedefs

- using pb = global::Google.Protobuf
- using pbc = global::Google.Protobuf.Collections
- using pbr = global::Google.Protobuf.Reflection
- using scg = global::System.Collections.Generic

## 8.4.1 Typedef Documentation

#### 8.4.1.1 pb

```
using pb = global.Google.Protobuf
```

#### 8.4.1.2 pbc

```
using pbc = global.Google.Protobuf.Collections
```

#### 8.4.1.3 pbr

```
using pbr = global.Google.Protobuf.Reflection
```

#### 8.4.1.4 scg

```
using scg = global.System.Collections.Generic
```

# 8.5 stubs_readme.md File Reference

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