

ActiveSpaces C++ API

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Contents

1	Namespace Index	1
1.1	Namespace List	1
2	Class Index	3
2.1	Class Hierarchy	3
3	Class Index	7
3.1	Class List	7
4	File Index	9
4.1	File List	9
5	Namespace Documentation	13
5.1	ASApi Namespace Reference	13
5.1.1	Typedef Documentation	15
5.1.1.1	BrowserType	15
5.1.1.2	DistributionPolicy	15
5.1.1.3	DistributionRole	15
5.1.1.4	DistributionScope	15
5.1.1.5	EvictionPolicy	16
5.1.1.6	IndexType	16
5.1.1.7	LogLevel	16
5.1.1.8	ManagementRole	16
5.1.1.9	Mutex	16
5.1.1.10	PersistencePolicy	16
5.1.1.11	PersistenceType	16
5.1.1.12	SpaceState	16

5.1.1.13	Status	16
5.1.1.14	TimeScope	16
5.1.2	Function Documentation	17
5.1.2.1	asMemberListToVector	17
5.1.2.2	asStringListToVector	17
5.1.2.3	membersToAsMemberList	17
5.1.2.4	tuplesToAsTupleList	17
5.2	ASApi::Common Namespace Reference	18
5.2.1	Function Documentation	18
5.2.1.1	connectMetaspace	18
5.2.1.2	getInvocableAliases	18
5.2.1.3	getLogLevel	18
5.2.1.4	getMemberInvocableAliases	19
5.2.1.5	getMetaspace	19
5.2.1.6	getMetaspaceNames	19
5.2.1.7	getSecurityLogLevel	19
5.2.1.8	removeInvocable	19
5.2.1.9	removeMemberInvocable	19
5.2.1.10	setEventLogging	19
5.2.1.11	setFileLogging	19
5.2.1.12	setFileLogging	19
5.2.1.13	setFileLogging	19
5.2.1.14	setInvocable	20
5.2.1.15	setInvocable	20
5.2.1.16	setLogLevel	20
5.2.1.17	setMemberInvocable	20
5.2.1.18	setMemberInvocable	20
5.2.1.19	setSecurityLogLevel	20
6	Class Documentation	21
6.1	ASApi::Action Class Reference	21
6.1.1	Detailed Description	21
6.1.2	Constructor & Destructor Documentation	21
6.1.2.1	Action	21

6.1.3	Member Function Documentation	22
6.1.3.1	getMetaspaceName	22
6.1.3.2	getSpaceName	22
6.1.4	Member Data Documentation	22
6.1.4.1	m_action	22
6.2	ASApi::ActionResult Class Reference	23
6.2.1	Detailed Description	23
6.2.2	Constructor & Destructor Documentation	23
6.2.2.1	ActionResult	23
6.2.3	Member Function Documentation	23
6.2.3.1	getStatus	23
6.2.3.2	getTuple	23
6.2.3.3	setFailed	23
6.2.3.4	setFailed	23
6.2.3.5	setTuple	24
6.3	ASApi::Admin Class Reference	25
6.3.1	Detailed Description	25
6.3.2	Constructor & Destructor Documentation	25
6.3.2.1	Admin	25
6.3.2.2	~Admin	25
6.3.3	Member Function Documentation	26
6.3.3.1	connect	26
6.3.3.2	execute	26
6.4	ASApi::AlterAction Class Reference	27
6.4.1	Detailed Description	27
6.4.2	Constructor & Destructor Documentation	27
6.4.2.1	AlterAction	27
6.4.3	Member Function Documentation	27
6.4.3.1	getOldSpaceDef	27
6.4.3.2	getSpaceDef	27
6.5	ASApi::AuthenticationCallback Class Reference	29
6.5.1	Detailed Description	29
6.5.2	Member Function Documentation	29
6.5.2.1	callback	29

6.5.2.2	createUserCredential	29
6.6	ASApi::AuthenticationInfo Class Reference	30
6.6.1	Detailed Description	30
6.6.2	Member Typedef Documentation	30
6.6.2.1	Method	30
6.6.3	Constructor & Destructor Documentation	30
6.6.3.1	AuthenticationInfo	30
6.6.4	Member Function Documentation	30
6.6.4.1	getDomain	30
6.6.4.2	getHint	31
6.6.4.3	getMetaspaceName	31
6.6.4.4	getPassword	31
6.6.4.5	getUserName	31
6.6.4.6	setDomain	31
6.6.4.7	setPassword	31
6.6.4.8	setUserName	31
6.7	ASApi::Browser Class Reference	32
6.7.1	Detailed Description	32
6.7.2	Constructor & Destructor Documentation	32
6.7.2.1	Browser	32
6.7.2.2	~Browser	32
6.7.3	Member Function Documentation	33
6.7.3.1	get	33
6.7.3.2	get	33
6.7.3.3	next	33
6.8	ASApi::BrowserDef Class Reference	34
6.8.1	Detailed Description	34
6.8.2	Constructor & Destructor Documentation	34
6.8.2.1	BrowserDef	34
6.8.2.2	~BrowserDef	35
6.8.3	Member Function Documentation	35
6.8.3.1	get	35
6.8.3.2	get	35
6.8.3.3	getDistributionScope	35

6.8.3.4	getTimeout	35
6.8.3.5	getTimeScope	35
6.8.3.6	setDistributionScope	35
6.8.3.7	setTimeout	35
6.8.3.8	setTimeScope	35
6.9	ASApi::AuthenticationCallback::CClosure Struct Reference	36
6.9.1	Detailed Description	36
6.9.2	Member Data Documentation	36
6.9.2.1	m_callback	36
6.10	ASApi::CloseAction Class Reference	37
6.10.1	Detailed Description	37
6.10.2	Constructor & Destructor Documentation	37
6.10.2.1	CloseAction	37
6.11	ASApi::SpaceResultHandler::Closure Struct Reference	38
6.11.1	Detailed Description	38
6.11.2	Member Data Documentation	38
6.11.2.1	m_closure	38
6.11.2.2	m_handler	38
6.12	ASApi::Deleter< T > Class Template Reference	40
6.12.1	Detailed Description	40
6.12.2	Constructor & Destructor Documentation	40
6.12.2.1	Deleter	40
6.12.3	Member Function Documentation	40
6.12.3.1	operator()	40
6.12.3.2	reset	40
6.13	ASApi::EventBrowser Class Reference	41
6.13.1	Detailed Description	41
6.13.2	Constructor & Destructor Documentation	41
6.13.2.1	EventBrowser	41
6.13.2.2	~EventBrowser	41
6.13.3	Member Function Documentation	42
6.13.3.1	get	42
6.13.3.2	get	42
6.14	ASApi::EventBrowserDef Class Reference	43

6.14.1 Detailed Description	43
6.14.2 Constructor & Destructor Documentation	43
6.14.2.1 EventBrowserDef	43
6.14.2.2 ~EventBrowserDef	44
6.14.3 Member Function Documentation	44
6.14.3.1 get	44
6.14.3.2 get	44
6.14.3.3 getDistributionScope	44
6.14.3.4 getTimeout	44
6.14.3.5 getTimeScope	44
6.14.3.6 setDistributionScope	44
6.14.3.7 setTimeout	44
6.14.3.8 setTimeScope	44
6.15 ASApi::EvictEvent Class Reference	45
6.15.1 Detailed Description	45
6.15.2 Constructor & Destructor Documentation	45
6.15.2.1 EvictEvent	45
6.15.2.2 ~EvictEvent	45
6.16 ASApi::Exception Class Reference	46
6.16.1 Detailed Description	46
6.16.2 Constructor & Destructor Documentation	46
6.16.2.1 Exception	46
6.16.2.2 Exception	46
6.16.2.3 Exception	47
6.16.3 Member Function Documentation	47
6.16.3.1 getCode	47
6.16.3.2 getMessage	47
6.16.3.3 getStackTrace	47
6.16.3.4 getStatus	47
6.17 ASApi::ExpireEvent Class Reference	48
6.17.1 Detailed Description	48
6.17.2 Constructor & Destructor Documentation	48
6.17.2.1 ExpireEvent	48
6.17.2.2 ~ExpireEvent	48

6.18 ASApi::FieldDef Class Reference	49
6.18.1 Detailed Description	50
6.18.2 Member Typedef Documentation	50
6.18.2.1 Type	50
6.18.3 Constructor & Destructor Documentation	50
6.18.3.1 FieldDef	50
6.18.3.2 FieldDef	50
6.18.3.3 ~FieldDef	50
6.18.4 Member Function Documentation	50
6.18.4.1 create	50
6.18.4.2 get	50
6.18.4.3 get	50
6.18.4.4 getName	50
6.18.4.5 getType	51
6.18.4.6 isEncrypted	51
6.18.4.7 isNullable	51
6.18.4.8 setEncrypted	51
6.18.4.9 setNullable	51
6.19 ASApi::FieldDefList Class Reference	52
6.19.1 Detailed Description	52
6.19.2 Constructor & Destructor Documentation	52
6.19.2.1 FieldDefList	52
6.19.2.2 ~FieldDefList	52
6.19.3 Member Function Documentation	53
6.19.3.1 get	53
6.19.3.2 get	53
6.19.3.3 get	53
6.19.3.4 size	53
6.20 ASApi::Filter Class Reference	54
6.20.1 Detailed Description	54
6.20.2 Constructor & Destructor Documentation	54
6.20.2.1 Filter	54
6.20.2.2 ~Filter	54
6.20.3 Member Function Documentation	55

6.20.3.1	eval	55
6.20.3.2	get	55
6.20.3.3	get	55
6.21	ASApi::GetOptions Class Reference	56
6.21.1	Detailed Description	56
6.21.2	Constructor & Destructor Documentation	56
6.21.2.1	GetOptions	56
6.22	ASApi::IndexDef Class Reference	57
6.22.1	Detailed Description	57
6.22.2	Constructor & Destructor Documentation	57
6.22.2.1	IndexDef	57
6.22.2.2	IndexDef	58
6.22.2.3	~IndexDef	58
6.22.3	Member Function Documentation	58
6.22.3.1	get	58
6.22.3.2	get	58
6.22.3.3	getFieldNames	58
6.22.3.4	getIndexType	58
6.22.3.5	getName	58
6.22.3.6	setFieldNames	58
6.22.3.7	setFieldNames	58
6.22.3.8	setIndexType	58
6.22.3.9	setName	59
6.23	ASApi::Invocable Class Reference	60
6.23.1	Detailed Description	61
6.23.2	Member Typedef Documentation	61
6.23.2.1	Creator	61
6.23.3	Member Function Documentation	61
6.23.3.1	invoke	61
6.23.3.2	invokeByCreator	61
6.23.3.3	invokeByObject	61
6.23.3.4	populateAliases	61
6.23.3.5	remove	61
6.23.3.6	set	61

6.23.3.7	set	62
6.24	ASApi::InvokeOptions Class Reference	63
6.24.1	Detailed Description	63
6.24.2	Constructor & Destructor Documentation	63
6.24.2.1	InvokeOptions	63
6.24.3	Member Function Documentation	64
6.24.3.1	setContext	64
6.25	ASApi::InvokeResult Class Reference	65
6.25.1	Detailed Description	65
6.25.2	Constructor & Destructor Documentation	65
6.25.2.1	InvokeResult	65
6.25.2.2	InvokeResult	66
6.25.2.3	~InvokeResult	66
6.25.3	Member Function Documentation	66
6.25.3.1	get	66
6.25.3.2	get	66
6.25.3.3	getError	66
6.25.3.4	getMember	66
6.25.3.5	getReturn	66
6.25.3.6	getStatus	66
6.25.3.7	hasError	66
6.26	ASApi::InvokeResultList Class Reference	68
6.26.1	Detailed Description	68
6.26.2	Constructor & Destructor Documentation	68
6.26.2.1	InvokeResultList	68
6.26.2.2	~InvokeResultList	69
6.26.3	Member Function Documentation	69
6.26.3.1	get	69
6.26.3.2	getError	69
6.26.3.3	getReturn	69
6.26.3.4	getReturns	69
6.26.3.5	getStatus	69
6.26.3.6	hasError	69
6.26.3.7	put	69

6.26.3.8	size	69
6.27	ASApi::KeyDef Class Reference	71
6.27.1	Detailed Description	71
6.27.2	Constructor & Destructor Documentation	72
6.27.2.1	KeyDef	72
6.27.2.2	KeyDef	72
6.27.2.3	KeyDef	72
6.27.2.4	~KeyDef	72
6.27.3	Member Function Documentation	72
6.27.3.1	create	72
6.27.3.2	get	72
6.27.3.3	get	72
6.27.3.4	getFieldNames	72
6.27.3.5	getIndexType	72
6.27.3.6	setFieldNames	72
6.27.3.7	setFieldNames	73
6.27.3.8	setFieldNames	73
6.27.3.9	setIndexType	73
6.28	ASApi::Listener Class Reference	74
6.28.1	Detailed Description	75
6.28.2	Constructor & Destructor Documentation	75
6.28.2.1	Listener	75
6.28.2.2	~Listener	75
6.28.3	Member Function Documentation	75
6.28.3.1	onEvent	75
6.28.3.2	onEvict	75
6.28.3.3	onExpire	75
6.28.3.4	onPut	75
6.28.3.5	onSeed	75
6.28.3.6	onTake	76
6.28.3.7	onUnseed	76
6.29	ASApi::ListenerBase< T > Class Template Reference	77
6.29.1	Detailed Description	77
6.29.2	Member Typedef Documentation	77

6.29.2.1	ListenerFree	77
6.29.3	Constructor & Destructor Documentation	78
6.29.3.1	~ListenerBase	78
6.29.3.2	ListenerBase	78
6.29.4	Member Function Documentation	78
6.29.4.1	create	78
6.29.4.2	get	78
6.29.4.3	get	78
6.29.4.4	start	78
6.29.4.5	stop	78
6.29.5	Member Data Documentation	79
6.29.5.1	m_cObject	79
6.29.5.2	m_deleter	79
6.30	ASApi::ListenerDef Class Reference	80
6.30.1	Detailed Description	80
6.30.2	Constructor & Destructor Documentation	80
6.30.2.1	ListenerDef	80
6.30.2.2	~ListenerDef	81
6.30.3	Member Function Documentation	81
6.30.3.1	get	81
6.30.3.2	getDistributionScope	81
6.30.3.3	getQueryLimit	81
6.30.3.4	getTimeScope	81
6.30.3.5	setDistributionScope	81
6.30.3.6	setQueryLimit	81
6.30.3.7	setTimeScope	81
6.31	ASApi::ListenerTemplate< T > Class Template Reference	82
6.31.1	Detailed Description	83
6.31.2	Constructor & Destructor Documentation	83
6.31.2.1	~ListenerTemplate	83
6.31.2.2	ListenerTemplate	83
6.31.3	Member Function Documentation	83
6.31.3.1	create	83
6.31.4	Member Data Documentation	83

6.31.4.1	m_callback	83
6.31.4.2	m_creator	83
6.31.4.3	m_listener	83
6.32	ASApi::LoadAction Class Reference	85
6.32.1	Detailed Description	85
6.32.2	Constructor & Destructor Documentation	85
6.32.2.1	LoadAction	85
6.33	ASApi::LockOptions Class Reference	86
6.33.1	Detailed Description	86
6.33.2	Constructor & Destructor Documentation	87
6.33.2.1	LockOptions	87
6.33.3	Member Function Documentation	87
6.33.3.1	getLockWait	87
6.33.3.2	isForget	87
6.33.3.3	isUnlock	87
6.33.3.4	setForget	87
6.33.3.5	setLockWait	87
6.33.3.6	setUnlock	87
6.34	ASApi::Member Class Reference	88
6.34.1	Detailed Description	88
6.34.2	Constructor & Destructor Documentation	89
6.34.2.1	Member	89
6.34.2.2	Member	89
6.34.2.3	~Member	89
6.34.3	Member Function Documentation	89
6.34.3.1	get	89
6.34.3.2	get	89
6.34.3.3	getContext	89
6.34.3.4	getDistributionRole	89
6.34.3.5	getHostAddress	89
6.34.3.6	getId	89
6.34.3.7	getJoinTime	90
6.34.3.8	getManagementRole	90
6.34.3.9	getName	90

6.34.3.10	getPort	90
6.34.3.11	getProxies	90
6.35	ASApi::MemberDef Class Reference	91
6.35.1	Detailed Description	92
6.35.2	Constructor & Destructor Documentation	92
6.35.2.1	MemberDef	92
6.35.2.2	~MemberDef	92
6.35.3	Member Function Documentation	92
6.35.3.1	get	92
6.35.3.2	get	92
6.35.3.3	getAuthenticationCallback	93
6.35.3.4	getClientTimeout	93
6.35.3.5	getClusterSuspendThreshold	93
6.35.3.6	getConnectTimeout	93
6.35.3.7	getContext	93
6.35.3.8	getDataStore	93
6.35.3.9	getDiscovery	93
6.35.3.10	getIdentityPassword	93
6.35.3.11	getListen	93
6.35.3.12	getMemberName	93
6.35.3.13	getMemberTimeout	94
6.35.3.14	getRemoteDiscovery	94
6.35.3.15	getRemoteListen	94
6.35.3.16	getRxBufferSize	94
6.35.3.17	getSecurityPolicyFile	94
6.35.3.18	getSecurityTokenFile	94
6.35.3.19	getTransportThreadCount	94
6.35.3.20	getWorkerThreadCount	94
6.35.3.21	operator=	94
6.35.3.22	setAuthenticationCallback	94
6.35.3.23	setClientTimeout	95
6.35.3.24	setClusterSuspendThreshold	95
6.35.3.25	setConnectTimeout	95
6.35.3.26	setContext	95

6.35.3.27	setDataStore	95
6.35.3.28	setDiscovery	95
6.35.3.29	setIdentityPassword	95
6.35.3.30	setListen	95
6.35.3.31	setMemberName	95
6.35.3.32	setMemberTimeout	95
6.35.3.33	setRemoteDiscovery	96
6.35.3.34	setRemoteListen	96
6.35.3.35	setRxBufferSize	96
6.35.3.36	setSecurityPolicyFile	96
6.35.3.37	setSecurityTokenFile	96
6.35.3.38	setTransportThreadCount	96
6.35.3.39	setWorkerThreadCount	96
6.36	ASApi::MemberInvocable Class Reference	97
6.36.1	Detailed Description	98
6.36.2	Member Typedef Documentation	98
6.36.2.1	Creator	98
6.36.3	Member Function Documentation	98
6.36.3.1	invoke	98
6.36.3.2	invokeByCreator	98
6.36.3.3	invokeByObject	98
6.36.3.4	populateAliases	98
6.36.3.5	remove	98
6.36.3.6	set	98
6.36.3.7	set	99
6.37	ASApi::Metaspace Class Reference	100
6.37.1	Detailed Description	101
6.37.2	Constructor & Destructor Documentation	101
6.37.2.1	Metaspace	101
6.37.2.2	Metaspace	101
6.37.2.3	Metaspace	101
6.37.2.4	~Metaspace	102
6.37.3	Member Function Documentation	102
6.37.3.1	alterSpace	102

6.37.3.2	beginTransaction	102
6.37.3.3	browse	102
6.37.3.4	browseEvents	102
6.37.3.5	closeAll	102
6.37.3.6	commitTransaction	102
6.37.3.7	connect	102
6.37.3.8	connect	102
6.37.3.9	connect	103
6.37.3.10	defineSpace	103
6.37.3.11	dropSpace	103
6.37.3.12	get	103
6.37.3.13	get	103
6.37.3.14	getDiscovery	103
6.37.3.15	getListen	103
6.37.3.16	getMemberDef	103
6.37.3.17	getMembers	103
6.37.3.18	getMetaspaceNames	103
6.37.3.19	getRemoteDiscovery	104
6.37.3.20	getRemoteListen	104
6.37.3.21	getRemoteMembers	104
6.37.3.22	getSelfMember	104
6.37.3.23	getSpace	104
6.37.3.24	getSpaceDef	104
6.37.3.25	getSpaceMembers	104
6.37.3.26	getSpaceState	104
6.37.3.27	getSystemSpace	104
6.37.3.28	getUserSpaceNames	104
6.37.3.29	listen	105
6.37.3.30	listenMemberEvents	105
6.37.3.31	listenRemoteMemberEvents	105
6.37.3.32	listenSpaceDefs	105
6.37.3.33	listenSpaceMemberEvents	105
6.37.3.34	listenSpaceRemoteMemberEvents	105
6.37.3.35	listenSpaceState	105

6.37.3.36	recoverSpace	105
6.37.3.37	recoverSpace	105
6.37.3.38	rollbackTransaction	106
6.37.3.39	setMemberDef	106
6.38	ASApi::MetaspaceMemberListener Class Reference	107
6.38.1	Detailed Description	108
6.38.2	Constructor & Destructor Documentation	108
6.38.2.1	MetaspaceMemberListener	108
6.38.2.2	~MetaspaceMemberListener	108
6.38.3	Member Function Documentation	108
6.38.3.1	onEvent	108
6.38.3.2	onJoin	108
6.38.3.3	onLeave	108
6.38.3.4	onUpdate	108
6.39	ASApi::MetaspaceRemoteMemberListener Class Reference	109
6.39.1	Detailed Description	110
6.39.2	Constructor & Destructor Documentation	110
6.39.2.1	MetaspaceRemoteMemberListener	110
6.39.2.2	~MetaspaceRemoteMemberListener	110
6.39.3	Member Function Documentation	110
6.39.3.1	onEvent	110
6.39.3.2	onJoin	110
6.39.3.3	onLeave	110
6.40	ASApi::OpenAction Class Reference	111
6.40.1	Detailed Description	111
6.40.2	Constructor & Destructor Documentation	111
6.40.2.1	OpenAction	111
6.41	ASApi::Persister Class Reference	112
6.41.1	Detailed Description	113
6.41.2	Constructor & Destructor Documentation	113
6.41.2.1	Persister	113
6.41.2.2	~Persister	113
6.41.3	Member Function Documentation	113
6.41.3.1	create	113

6.41.3.2	onAlter	113
6.41.3.3	onCAAlter	113
6.41.3.4	onCClose	114
6.41.3.5	onCLoad	114
6.41.3.6	onClose	114
6.41.3.7	onCOpen	114
6.41.3.8	onCRead	114
6.41.3.9	onCWrite	114
6.41.3.10	onLoad	114
6.41.3.11	onOpen	114
6.41.3.12	onRead	114
6.41.3.13	onWrite	115
6.42	ASApi::PutEvent Class Reference	116
6.42.1	Detailed Description	116
6.42.2	Constructor & Destructor Documentation	116
6.42.2.1	PutEvent	116
6.42.2.2	~PutEvent	116
6.42.3	Member Function Documentation	116
6.42.3.1	getOldTuple	116
6.42.3.2	hasOldTuple	117
6.43	ASApi::PutOp Class Reference	118
6.43.1	Detailed Description	118
6.43.2	Constructor & Destructor Documentation	118
6.43.2.1	PutOp	118
6.43.3	Member Function Documentation	119
6.43.3.1	getOldTuple	119
6.43.3.2	getTTL	119
6.43.3.3	hasOldTuple	119
6.44	ASApi::PutOptions Class Reference	120
6.44.1	Detailed Description	120
6.44.2	Constructor & Destructor Documentation	121
6.44.2.1	PutOptions	121
6.44.3	Member Function Documentation	121
6.44.3.1	getLockWait	121

6.44.3.2	getTTL	121
6.44.3.3	isForget	121
6.44.3.4	isLock	121
6.44.3.5	isRoute	121
6.44.3.6	setForget	121
6.44.3.7	setLock	121
6.44.3.8	setLockWait	121
6.44.3.9	setRoute	121
6.44.3.10	setTTL	122
6.45	ASApi::ReadAction Class Reference	123
6.45.1	Detailed Description	123
6.45.2	Constructor & Destructor Documentation	123
6.45.2.1	ReadAction	123
6.45.3	Member Function Documentation	123
6.45.3.1	getTuple	123
6.46	ASApi::RecoveryOptions Class Reference	124
6.46.1	Detailed Description	124
6.46.2	Constructor & Destructor Documentation	124
6.46.2.1	RecoveryOptions	124
6.46.3	Member Function Documentation	124
6.46.3.1	get	124
6.46.3.2	get	125
6.47	ASApi::Result Class Reference	126
6.47.1	Detailed Description	126
6.47.2	Member Function Documentation	126
6.47.2.1	getError	126
6.47.2.2	getStatus	126
6.47.2.3	hasError	126
6.48	ASApi::ResultList Class Reference	127
6.48.1	Detailed Description	127
6.48.2	Member Function Documentation	127
6.48.2.1	getError	127
6.48.2.2	getStatus	127
6.48.2.3	hasError	127

6.48.2.4	size	127
6.49	ASApi::Router Class Reference	128
6.49.1	Detailed Description	129
6.49.2	Constructor & Destructor Documentation	129
6.49.2.1	Router	129
6.49.2.2	~Router	129
6.49.3	Member Function Documentation	129
6.49.3.1	create	129
6.49.3.2	onAlter	129
6.49.3.3	onCAAlter	129
6.49.3.4	onCClose	129
6.49.3.5	onClose	130
6.49.3.6	onCOpen	130
6.49.3.7	onCWrite	130
6.49.3.8	onOpen	130
6.49.3.9	onWrite	130
6.50	ASApi::SeedEvent Class Reference	131
6.50.1	Detailed Description	131
6.50.2	Constructor & Destructor Documentation	131
6.50.2.1	SeedEvent	131
6.50.2.2	~SeedEvent	131
6.51	shared_ptr Class Reference	132
6.52	ASApi::SharedPtr< T > Class Template Reference	133
6.52.1	Detailed Description	133
6.52.2	Constructor & Destructor Documentation	133
6.52.2.1	SharedPtr	133
6.52.2.2	SharedPtr	133
6.52.2.3	SharedPtr	133
6.52.2.4	SharedPtr	133
6.53	ASApi::Space Class Reference	134
6.53.1	Detailed Description	136
6.53.2	Constructor & Destructor Documentation	136
6.53.2.1	Space	136
6.53.2.2	Space	136

6.53.2.3	~Space	136
6.53.3	Member Function Documentation	136
6.53.3.1	browse	136
6.53.3.2	clear	136
6.53.3.3	clear	136
6.53.3.4	compareAndPut	136
6.53.3.5	compareAndPut	136
6.53.3.6	compareAndPutAll	137
6.53.3.7	compareAndPutAll	137
6.53.3.8	compareAndTake	137
6.53.3.9	compareAndTake	137
6.53.3.10	compareAndTakeAll	137
6.53.3.11	compareAndTakeAll	137
6.53.3.12	get	137
6.53.3.13	get	137
6.53.3.14	getAll	137
6.53.3.15	getMetaspace	138
6.53.3.16	getMetaspaceName	138
6.53.3.17	getName	138
6.53.3.18	getSpaceDef	138
6.53.3.19	getState	138
6.53.3.20	invoke	138
6.53.3.21	invokeMember	138
6.53.3.22	invokeMembers	138
6.53.3.23	invokeRemoteMembers	138
6.53.3.24	invokeSeeders	139
6.53.3.25	isReady	139
6.53.3.26	listen	139
6.53.3.27	load	139
6.53.3.28	loadAll	139
6.53.3.29	lock	139
6.53.3.30	lock	139
6.53.3.31	lockAll	139
6.53.3.32	lockAll	139

6.53.3.33	put	140
6.53.3.34	put	140
6.53.3.35	putAll	140
6.53.3.36	putAll	140
6.53.3.37	setDistributionRole	140
6.53.3.38	setPersister	140
6.53.3.39	setRouter	140
6.53.3.40	size	140
6.53.3.41	size	140
6.53.3.42	take	140
6.53.3.43	take	141
6.53.3.44	takeAll	141
6.53.3.45	takeAll	141
6.53.3.46	unlock	141
6.53.3.47	unlock	141
6.53.3.48	unlock	141
6.53.3.49	waitForReady	141
6.54	ASApi::SpaceDef Class Reference	142
6.54.1	Detailed Description	144
6.54.2	Member Typedef Documentation	144
6.54.2.1	DistributionPolicy	144
6.54.2.2	EvictionPolicy	144
6.54.2.3	LockScope	144
6.54.2.4	PersistencePolicy	144
6.54.2.5	PersistenceType	144
6.54.2.6	UpdateTransport	144
6.54.3	Constructor & Destructor Documentation	144
6.54.3.1	SpaceDef	144
6.54.3.2	SpaceDef	144
6.54.3.3	SpaceDef	144
6.54.3.4	~SpaceDef	145
6.54.4	Member Function Documentation	145
6.54.4.1	addIndexDef	145
6.54.4.2	get	145

6.54.4.3	get	145
6.54.4.4	getCapacity	145
6.54.4.5	getDistributionFields	145
6.54.4.6	getDistributionPolicy	145
6.54.4.7	getEvictionPolicy	145
6.54.4.8	getFieldDef	145
6.54.4.9	getFieldDefs	145
6.54.4.10	getIndex	146
6.54.4.11	getKeyDef	146
6.54.4.12	getLockScope	146
6.54.4.13	getLockTTL	146
6.54.4.14	getLockWait	146
6.54.4.15	getMinSeederCount	146
6.54.4.16	getName	146
6.54.4.17	getNumFields	146
6.54.4.18	getPersistencePolicy	146
6.54.4.19	getPersistenceType	146
6.54.4.20	getReadTimeout	147
6.54.4.21	getReplicationCount	147
6.54.4.22	getSpaceWait	147
6.54.4.23	getTTL	147
6.54.4.24	getUpdateTransport	147
6.54.4.25	getWriteTimeout	147
6.54.4.26	isHostAwareReplication	147
6.54.4.27	isPersisted	147
6.54.4.28	isSyncreplicated	147
6.54.4.29	putFieldDef	147
6.54.4.30	removeIndexDef	148
6.54.4.31	setCapacity	148
6.54.4.32	setDistributionFields	148
6.54.4.33	setDistributionPolicy	148
6.54.4.34	setEvictionPolicy	148
6.54.4.35	setHostAwareReplication	148
6.54.4.36	setKey	148

6.54.4.37 setKeyDef	148
6.54.4.38 setLockScope	148
6.54.4.39 setLockTTL	148
6.54.4.40 setLockWait	149
6.54.4.41 setMinSeederCount	149
6.54.4.42 setName	149
6.54.4.43 setPersisted	149
6.54.4.44 setPersistencePolicy	149
6.54.4.45 setPersistenceType	149
6.54.4.46 setReadTimeout	149
6.54.4.47 setReplicationCount	149
6.54.4.48 setSpaceWait	149
6.54.4.49 setSyncReplicated	149
6.54.4.50 setTTL	150
6.54.4.51 setUpdateTransport	150
6.54.4.52 setWriteTimeout	150
6.54.4.53 takeFieldDef	150
6.55 ASApi::SpaceDefListener Class Reference	151
6.55.1 Detailed Description	152
6.55.2 Constructor & Destructor Documentation	152
6.55.2.1 SpaceDefListener	152
6.55.2.2 ~SpaceDefListener	152
6.55.3 Member Function Documentation	152
6.55.3.1 create	152
6.55.3.2 onAlter	152
6.55.3.3 onDefine	152
6.55.3.4 onDrop	152
6.55.3.5 onSpaceAlter	152
6.55.3.6 onSpaceDefine	153
6.55.3.7 onSpaceDrop	153
6.56 ASApi::SpaceEvent Class Reference	154
6.56.1 Detailed Description	154
6.56.2 Member Typedef Documentation	154
6.56.2.1 EventType	154

6.56.3	Constructor & Destructor Documentation	154
6.56.3.1	SpaceEvent	154
6.56.3.2	~SpaceEvent	154
6.56.4	Member Function Documentation	155
6.56.4.1	getMetaspaceName	155
6.56.4.2	getSpaceName	155
6.56.4.3	getTuple	155
6.56.4.4	getType	155
6.56.5	Member Data Documentation	155
6.56.5.1	m_event	155
6.57	ASApi::SpaceMemberListener Class Reference	156
6.57.1	Detailed Description	157
6.57.2	Constructor & Destructor Documentation	157
6.57.2.1	SpaceMemberListener	157
6.57.2.2	~SpaceMemberListener	157
6.57.3	Member Function Documentation	157
6.57.3.1	onEvent	157
6.57.3.2	onJoin	157
6.57.3.3	onLeave	157
6.57.3.4	onUpdate	157
6.58	ASApi::SpaceOptions< OptionsType, tibasType > Class Template Reference	158
6.58.1	Detailed Description	158
6.58.2	Constructor & Destructor Documentation	159
6.58.2.1	~SpaceOptions	159
6.58.2.2	SpaceOptions	159
6.58.3	Member Function Documentation	159
6.58.3.1	get	159
6.58.3.2	getClosure	159
6.58.3.3	getResultHandler	159
6.58.3.4	setClosure	159
6.58.3.5	setResultHandler	160
6.58.4	Member Data Documentation	160
6.58.4.1	m_options	160

6.59	ASApi::SpaceRemoteMemberListener Class Reference	161
6.59.1	Detailed Description	162
6.59.2	Constructor & Destructor Documentation	162
6.59.2.1	SpaceRemoteMemberListener	162
6.59.2.2	~SpaceRemoteMemberListener	162
6.59.3	Member Function Documentation	162
6.59.3.1	onEvent	162
6.59.3.2	onJoin	162
6.59.3.3	onLeave	162
6.60	ASApi::SpaceResult Class Reference	163
6.60.1	Detailed Description	163
6.60.2	Constructor & Destructor Documentation	163
6.60.2.1	SpaceResult	163
6.60.2.2	~SpaceResult	163
6.60.3	Member Function Documentation	163
6.60.3.1	getError	163
6.60.3.2	getStatus	164
6.60.3.3	getTuple	164
6.60.3.4	hasError	164
6.61	ASApi::SpaceResultHandler Class Reference	165
6.61.1	Detailed Description	165
6.61.2	Member Function Documentation	165
6.61.2.1	onCComplete	165
6.61.2.2	onComplete	165
6.62	ASApi::SpaceResultList Class Reference	166
6.62.1	Detailed Description	166
6.62.2	Constructor & Destructor Documentation	166
6.62.2.1	SpaceResultList	166
6.62.2.2	~SpaceResultList	167
6.62.3	Member Function Documentation	167
6.62.3.1	getError	167
6.62.3.2	getStatus	167
6.62.3.3	getTuple	167
6.62.3.4	getTuples	167

6.62.3.5	hasError	167
6.62.3.6	size	167
6.63	ASApi::SpaceStateListener Class Reference	168
6.63.1	Detailed Description	169
6.63.2	Member Typedef Documentation	169
6.63.2.1	SpaceState	169
6.63.3	Constructor & Destructor Documentation	169
6.63.3.1	SpaceStateListener	169
6.63.3.2	~SpaceStateListener	169
6.63.4	Member Function Documentation	169
6.63.4.1	onCStateChage	169
6.63.4.2	onStateChange	169
6.64	ASApi::TakeEvent Class Reference	170
6.64.1	Detailed Description	170
6.64.2	Constructor & Destructor Documentation	170
6.64.2.1	TakeEvent	170
6.64.2.2	~TakeEvent	170
6.65	ASApi::TakeOp Class Reference	171
6.65.1	Detailed Description	171
6.65.2	Constructor & Destructor Documentation	171
6.65.2.1	TakeOp	171
6.66	ASApi::TakeOptions Class Reference	173
6.66.1	Detailed Description	173
6.66.2	Constructor & Destructor Documentation	174
6.66.2.1	TakeOptions	174
6.66.3	Member Function Documentation	174
6.66.3.1	getLockWait	174
6.66.3.2	isForget	174
6.66.3.3	isLock	174
6.66.3.4	isRoute	174
6.66.3.5	isUnlock	174
6.66.3.6	setForget	174
6.66.3.7	setLock	174
6.66.3.8	setLockWait	174

6.66.3.9	setRoute	174
6.66.3.10	setUnlock	175
6.67	ASApi::Tuple Class Reference	176
6.67.1	Detailed Description	177
6.67.2	Constructor & Destructor Documentation	177
6.67.2.1	Tuple	177
6.67.2.2	Tuple	177
6.67.2.3	Tuple	177
6.67.2.4	~Tuple	177
6.67.3	Member Function Documentation	178
6.67.3.1	clear	178
6.67.3.2	deserialize	178
6.67.3.3	eval	178
6.67.3.4	exists	178
6.67.3.5	get	178
6.67.3.6	get	178
6.67.3.7	getBlob	178
6.67.3.8	getBoolean	178
6.67.3.9	getChar	178
6.67.3.10	getDateTime	178
6.67.3.11	getDouble	179
6.67.3.12	getFieldNames	179
6.67.3.13	getFieldType	179
6.67.3.14	getFloat	179
6.67.3.15	getInt	179
6.67.3.16	getLong	179
6.67.3.17	getShort	179
6.67.3.18	getString	179
6.67.3.19	isNull	179
6.67.3.20	isNull	179
6.67.3.21	operator==	180
6.67.3.22	putAll	180
6.67.3.23	putBoolean	180
6.67.3.24	putChar	180

6.67.3.25	putDateTime	180
6.67.3.26	putDouble	180
6.67.3.27	putFloat	180
6.67.3.28	putInt	180
6.67.3.29	putLong	180
6.67.3.30	putShort	180
6.67.3.31	putString	181
6.67.3.32	remove	181
6.67.3.33	serialize	181
6.67.3.34	size	181
6.67.3.35	toString	181
6.68	ASApi::UnlockOptions Class Reference	182
6.68.1	Detailed Description	182
6.68.2	Constructor & Destructor Documentation	182
6.68.2.1	UnlockOptions	182
6.68.3	Member Function Documentation	183
6.68.3.1	getLockWait	183
6.68.3.2	setLockWait	183
6.69	ASApi::UnseedEvent Class Reference	184
6.69.1	Detailed Description	184
6.69.2	Constructor & Destructor Documentation	184
6.69.2.1	UnseedEvent	184
6.69.2.2	~UnseedEvent	184
6.70	ASApi::WriteAction Class Reference	185
6.70.1	Detailed Description	185
6.70.2	Constructor & Destructor Documentation	185
6.70.2.1	WriteAction	185
6.70.3	Member Function Documentation	185
6.70.3.1	getOps	185
6.71	ASApi::WriteOp Class Reference	186
6.71.1	Detailed Description	186
6.71.2	Member Typedef Documentation	187
6.71.2.1	Type	187
6.71.3	Constructor & Destructor Documentation	187

6.71.3.1	WriteOp	187
6.71.3.2	~WriteOp	187
6.71.4	Member Function Documentation	187
6.71.4.1	getTuple	187
6.71.4.2	getType	187
6.71.5	Member Data Documentation	187
6.71.5.1	m_op	187
7	File Documentation	189
7.1	Action.cpp File Reference	189
7.2	Action.h File Reference	190
7.3	ActionResult.cpp File Reference	192
7.4	ActionResult.h File Reference	193
7.5	Admin.cpp File Reference	195
7.6	Admin.h File Reference	196
7.7	AlterAction.cpp File Reference	197
7.8	AlterAction.h File Reference	198
7.9	AuthenticationCallback.cpp File Reference	200
7.10	AuthenticationCallback.h File Reference	201
7.11	AuthenticationInfo.cpp File Reference	202
7.12	AuthenticationInfo.h File Reference	203
7.13	Browser.cpp File Reference	204
7.14	Browser.h File Reference	205
7.15	BrowserDef.cpp File Reference	207
7.16	BrowserDef.h File Reference	208
7.17	CloseAction.cpp File Reference	209
7.18	CloseAction.h File Reference	210
7.19	Common.cpp File Reference	212
7.20	Common.h File Reference	213
7.21	EventBrowser.cpp File Reference	215
7.22	EventBrowser.h File Reference	216
7.23	EventBrowserDef.cpp File Reference	218
7.24	EventBrowserDef.h File Reference	219
7.25	EvictEvent.cpp File Reference	220

7.26	EvictEvent.h File Reference	221
7.27	Exception.cpp File Reference	223
7.28	Exception.h File Reference	224
7.28.1	Define Documentation	224
7.28.1.1	AS_CALL	224
7.29	ExpireEvent.cpp File Reference	225
7.30	ExpireEvent.h File Reference	226
7.31	FieldDef.cpp File Reference	228
7.32	FieldDef.h File Reference	229
7.33	FieldDefList.cpp File Reference	230
7.34	FieldDefList.h File Reference	231
7.35	Filter.cpp File Reference	233
7.36	Filter.h File Reference	234
7.37	GetOptions.cpp File Reference	235
7.38	GetOptions.h File Reference	236
7.39	IndexDef.cpp File Reference	238
7.40	IndexDef.h File Reference	239
7.41	Invocable.cpp File Reference	241
7.42	Invocable.h File Reference	242
7.43	InvokeOptions.cpp File Reference	243
7.44	InvokeOptions.h File Reference	244
7.45	InvokeResult.cpp File Reference	246
7.46	InvokeResult.h File Reference	247
7.47	InvokeResultList.cpp File Reference	249
7.48	InvokeResultList.h File Reference	250
7.49	KeyDef.cpp File Reference	252
7.50	KeyDef.h File Reference	253
7.51	Listener.cpp File Reference	255
7.52	Listener.h File Reference	256
7.53	ListenerBase.h File Reference	258
7.54	ListenerDef.cpp File Reference	260
7.55	ListenerDef.h File Reference	261
7.56	ListenerTemplate.h File Reference	262
7.57	LoadAction.cpp File Reference	263

7.58 LoadAction.h File Reference	264
7.59 LockOptions.cpp File Reference	266
7.60 LockOptions.h File Reference	267
7.61 Member.cpp File Reference	269
7.62 Member.h File Reference	270
7.63 MemberDef.cpp File Reference	271
7.64 MemberDef.h File Reference	272
7.65 MemberInvocable.cpp File Reference	274
7.66 MemberInvocable.h File Reference	275
7.67 Metaspace.cpp File Reference	276
7.68 Metaspace.h File Reference	277
7.69 MetaspaceMemberListener.cpp File Reference	279
7.70 MetaspaceMemberListener.h File Reference	280
7.71 MetaspaceRemoteMemberListener.cpp File Reference	282
7.72 MetaspaceRemoteMemberListener.h File Reference	283
7.73 Mutex.cpp File Reference	285
7.74 Mutex.h File Reference	286
7.75 OpenAction.cpp File Reference	287
7.76 OpenAction.h File Reference	288
7.77 Persister.cpp File Reference	290
7.78 Persister.h File Reference	291
7.79 PutEvent.cpp File Reference	293
7.80 PutEvent.h File Reference	294
7.81 PutOp.cpp File Reference	296
7.82 PutOp.h File Reference	297
7.83 PutOptions.cpp File Reference	298
7.84 PutOptions.h File Reference	299
7.85 ReadAction.cpp File Reference	301
7.86 ReadAction.h File Reference	302
7.87 RecoveryOptions.cpp File Reference	304
7.88 RecoveryOptions.h File Reference	305
7.89 Result.cpp File Reference	307
7.90 Result.h File Reference	308
7.91 ResultList.cpp File Reference	310

7.92 ResultList.h File Reference	311
7.93 Router.cpp File Reference	313
7.94 Router.h File Reference	314
7.95 SeedEvent.cpp File Reference	316
7.96 SeedEvent.h File Reference	317
7.97 SharedPtr.h File Reference	319
7.98 Space.cpp File Reference	320
7.99 Space.h File Reference	321
7.100SpaceDef.cpp File Reference	323
7.101SpaceDef.h File Reference	324
7.102SpaceDefListener.cpp File Reference	326
7.103SpaceDefListener.h File Reference	327
7.104SpaceEvent.cpp File Reference	328
7.105SpaceEvent.h File Reference	329
7.106SpaceMemberListener.cpp File Reference	331
7.107SpaceMemberListener.h File Reference	332
7.108SpaceOptions.h File Reference	334
7.109SpaceRemoteMemberListener.cpp File Reference	336
7.110SpaceRemoteMemberListener.h File Reference	337
7.111SpaceResult.cpp File Reference	339
7.112SpaceResult.h File Reference	340
7.113SpaceResultHandler.cpp File Reference	342
7.114SpaceResultHandler.h File Reference	343
7.115SpaceResultList.cpp File Reference	345
7.116SpaceResultList.h File Reference	346
7.117SpaceStateListener.cpp File Reference	348
7.118SpaceStateListener.h File Reference	349
7.119TakeEvent.cpp File Reference	351
7.120TakeEvent.h File Reference	352
7.121TakeOp.cpp File Reference	354
7.122TakeOp.h File Reference	355
7.123TakeOptions.cpp File Reference	356
7.124TakeOptions.h File Reference	357
7.125Tuple.cpp File Reference	359

7.125.1 Function Documentation	359
7.125.1.1 deleter	359
7.125.1.2 operator<<	359
7.126Tuple.h File Reference	360
7.126.1 Function Documentation	361
7.126.1.1 operator<<	361
7.127Types.h File Reference	362
7.127.1 Define Documentation	363
7.127.1.1 AS_CPP_API	363
7.128UnlockOptions.cpp File Reference	364
7.129UnlockOptions.h File Reference	365
7.130UnseedEvent.cpp File Reference	367
7.131UnseedEvent.h File Reference	368
7.132Utils.cpp File Reference	370
7.133Utils.h File Reference	371
7.134WriteAction.cpp File Reference	373
7.135WriteAction.h File Reference	374
7.136WriteOp.cpp File Reference	376
7.137WriteOp.h File Reference	377

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

ASApi	13
ASApi::Common	18

Chapter 2

Class Index

2.1 Class Hierarchy

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

ASApi::Action	21
ASApi::AlterAction	27
ASApi::CloseAction	37
ASApi::LoadAction	85
ASApi::OpenAction	111
ASApi::ReadAction	123
ASApi::WriteAction	185
ASApi::ActionResult	23
ASApi::Admin	25
ASApi::AuthenticationCallback	29
ASApi::AuthenticationInfo	30
ASApi::Browser	32
ASApi::BrowserDef	34
ASApi::AuthenticationCallback::CClosure	36
ASApi::SpaceResultHandler::Closure	38
ASApi::Deleter< T >	40
ASApi::Deleter< tibasListener >	40
ASApi::Deleter< tibasPersister >	40
ASApi::Deleter< tibasRouter >	40
ASApi::EventBrowser	41
ASApi::EventBrowserDef	43
ASApi::Exception	46
ASApi::FieldDef	49
ASApi::FieldDefList	52
ASApi::Filter	54
ASApi::IndexDef	57
ASApi::Invocable	60
ASApi::KeyDef	71
ASApi::ListenerBase< T >	77

ASApi::ListenerBase< tibasListener >	77
ASApi::ListenerTemplate< T >	82
ASApi::SpaceDefListener	151
ASApi::ListenerTemplate< tibas_onEvent >	82
ASApi::Listener	74
ASApi::ListenerTemplate< tibas_onMemberEvent >	82
ASApi::MetaspaceMemberListener	107
ASApi::ListenerTemplate< tibas_onRemoteMemberEvent >	82
ASApi::MetaspaceRemoteMemberListener	109
ASApi::ListenerTemplate< tibas_onSpaceMemberEvent >	82
ASApi::SpaceMemberListener	156
ASApi::ListenerTemplate< tibas_onSpaceRemoteMemberEvent >	82
ASApi::SpaceRemoteMemberListener	161
ASApi::ListenerTemplate< tibas_onSpaceStateChange >	82
ASApi::SpaceStateListener	168
ASApi::ListenerBase< tibasPersister >	77
ASApi::Persister	112
ASApi::ListenerBase< tibasRouter >	77
ASApi::Router	128
ASApi::ListenerDef	80
ASApi::Member	88
ASApi::MemberDef	91
ASApi::MemberInvocable	97
ASApi::Metaspace	100
ASApi::RecoveryOptions	124
ASApi::Result	126
ASApi::InvokeResult	65
ASApi::SpaceResult	163
ASApi::ResultList	127
ASApi::InvokeResultList	68
ASApi::SpaceResultList	166
shared_ptr	132
ASApi::SharedPtr< tibasGetOptions >	133
ASApi::SharedPtr< tibasInvokeOptions >	133
ASApi::SharedPtr< tibasListener >	133
ASApi::SharedPtr< tibasLockOptions >	133
ASApi::SharedPtr< tibasPersister >	133
ASApi::SharedPtr< tibasPutOptions >	133
ASApi::SharedPtr< tibasRouter >	133
ASApi::SharedPtr< tibasTakeOptions >	133
ASApi::SharedPtr< tibasUnlockOptions >	133
ASApi::SharedPtr< T >	133
ASApi::Space	134
ASApi::SpaceDef	142
ASApi::SpaceEvent	154
ASApi::EvictEvent	45
ASApi::ExpireEvent	48

ASApi::PutEvent	116
ASApi::SeedEvent	131
ASApi::TakeEvent	170
ASApi::UnseedEvent	184
ASApi::SpaceOptions< OptionsType, tibasType >	158
ASApi::SpaceOptions< GetOptions, tibasGetOptions >	158
ASApi::GetOptions	56
ASApi::SpaceOptions< InvokeOptions, tibasInvokeOptions >	158
ASApi::InvokeOptions	63
ASApi::SpaceOptions< LockOptions, tibasLockOptions >	158
ASApi::LockOptions	86
ASApi::SpaceOptions< PutOptions, tibasPutOptions >	158
ASApi::PutOptions	120
ASApi::SpaceOptions< TakeOptions, tibasTakeOptions >	158
ASApi::TakeOptions	173
ASApi::SpaceOptions< UnlockOptions, tibasUnlockOptions >	158
ASApi::UnlockOptions	182
ASApi::SpaceResultHandler	165
ASApi::Tuple	176
ASApi::WriteOp	186
ASApi::PutOp	118
ASApi::TakeOp	171

Chapter 3

Class Index

3.1 Class List

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

ASApi::Action	21
ASApi::ActionResult	23
ASApi::Admin	25
ASApi::AlterAction	27
ASApi::AuthenticationCallback	29
ASApi::AuthenticationInfo	30
ASApi::Browser	32
ASApi::BrowserDef	34
ASApi::AuthenticationCallback::CClosure	36
ASApi::CloseAction	37
ASApi::SpaceResultHandler::Closure	38
ASApi::Deleter< T >	40
ASApi::EventBrowser	41
ASApi::EventBrowserDef	43
ASApi::EvictEvent	45
ASApi::Exception	46
ASApi::ExpireEvent	48
ASApi::FieldDef	49
ASApi::FieldDefList	52
ASApi::Filter	54
ASApi::GetOptions	56
ASApi::IndexDef	57
ASApi::Invocable	60
ASApi::InvokeOptions	63
ASApi::InvokeResult	65
ASApi::InvokeResultList	68
ASApi::KeyDef	71
ASApi::Listener	74
ASApi::ListenerBase< T >	77

ASApi::ListenerDef	80
ASApi::ListenerTemplate< T >	82
ASApi::LoadAction	85
ASApi::LockOptions	86
ASApi::Member	88
ASApi::MemberDef	91
ASApi::MemberInvocable	97
ASApi::Metaspace	100
ASApi::MetaspaceMemberListener	107
ASApi::MetaspaceRemoteMemberListener	109
ASApi::OpenAction	111
ASApi::Persister	112
ASApi::PutEvent	116
ASApi::PutOp	118
ASApi::PutOptions	120
ASApi::ReadAction	123
ASApi::RecoveryOptions	124
ASApi::Result	126
ASApi::ResultList	127
ASApi::Router	128
ASApi::SeedEvent	131
shared_ptr	132
ASApi::SharedPtr< T >	133
ASApi::Space	134
ASApi::SpaceDef	142
ASApi::SpaceDefListener	151
ASApi::SpaceEvent	154
ASApi::SpaceMemberListener	156
ASApi::SpaceOptions< OptionsType, tibasType >	158
ASApi::SpaceRemoteMemberListener	161
ASApi::SpaceResult	163
ASApi::SpaceResultHandler	165
ASApi::SpaceResultList	166
ASApi::SpaceStateListener	168
ASApi::TakeEvent	170
ASApi::TakeOp	171
ASApi::TakeOptions	173
ASApi::Tuple	176
ASApi::UnlockOptions	182
ASApi::UnseedEvent	184
ASApi::WriteAction	185
ASApi::WriteOp	186

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

Action.cpp	189
Action.h	190
ActionResult.cpp	192
ActionResult.h	193
Admin.cpp	195
Admin.h	196
AlterAction.cpp	197
AlterAction.h	198
AuthenticationCallback.cpp	200
AuthenticationCallback.h	201
AuthenticationInfo.cpp	202
AuthenticationInfo.h	203
Browser.cpp	204
Browser.h	205
BrowserDef.cpp	207
BrowserDef.h	208
CloseAction.cpp	209
CloseAction.h	210
Common.cpp	212
Common.h	213
EventBrowser.cpp	215
EventBrowser.h	216
EventBrowserDef.cpp	218
EventBrowserDef.h	219
EvictEvent.cpp	220
EvictEvent.h	221
Exception.cpp	223
Exception.h	224
ExpireEvent.cpp	225

ExpireEvent.h	226
FieldDef.cpp	228
FieldDef.h	229
FieldDefList.cpp	230
FieldDefList.h	231
Filter.cpp	233
Filter.h	234
GetOptions.cpp	235
GetOptions.h	236
IndexDef.cpp	238
IndexDef.h	239
Invocable.cpp	241
Invocable.h	242
InvokeOptions.cpp	243
InvokeOptions.h	244
InvokeResult.cpp	246
InvokeResult.h	247
InvokeResultList.cpp	249
InvokeResultList.h	250
KeyDef.cpp	252
KeyDef.h	253
Listener.cpp	255
Listener.h	256
ListenerBase.h	258
ListenerDef.cpp	260
ListenerDef.h	261
ListenerTemplate.h	262
LoadAction.cpp	263
LoadAction.h	264
LockOptions.cpp	266
LockOptions.h	267
Member.cpp	269
Member.h	270
MemberDef.cpp	271
MemberDef.h	272
MemberInvocable.cpp	274
MemberInvocable.h	275
Metaspace.cpp	276
Metaspace.h	277
MetaspaceMemberListener.cpp	279
MetaspaceMemberListener.h	280
MetaspaceRemoteMemberListener.cpp	282
MetaspaceRemoteMemberListener.h	283
Mutex.cpp	285
Mutex.h	286
OpenAction.cpp	287
OpenAction.h	288
Persister.cpp	290
Persister.h	291
PutEvent.cpp	293

PutEvent.h	294
PutOp.cpp	296
PutOp.h	297
PutOptions.cpp	298
PutOptions.h	299
ReadAction.cpp	301
ReadAction.h	302
RecoveryOptions.cpp	304
RecoveryOptions.h	305
Result.cpp	307
Result.h	308
ResultList.cpp	310
ResultList.h	311
Router.cpp	313
Router.h	314
SeedEvent.cpp	316
SeedEvent.h	317
SharedPtr.h	319
Space.cpp	320
Space.h	321
SpaceDef.cpp	323
SpaceDef.h	324
SpaceDefListener.cpp	326
SpaceDefListener.h	327
SpaceEvent.cpp	328
SpaceEvent.h	329
SpaceMemberListener.cpp	331
SpaceMemberListener.h	332
SpaceOptions.h	334
SpaceRemoteMemberListener.cpp	336
SpaceRemoteMemberListener.h	337
SpaceResult.cpp	339
SpaceResult.h	340
SpaceResultHandler.cpp	342
SpaceResultHandler.h	343
SpaceResultList.cpp	345
SpaceResultList.h	346
SpaceStateListener.cpp	348
SpaceStateListener.h	349
TakeEvent.cpp	351
TakeEvent.h	352
TakeOp.cpp	354
TakeOp.h	355
TakeOptions.cpp	356
TakeOptions.h	357
Tuple.cpp	359
Tuple.h	360
Types.h	362
UnlockOptions.cpp	364
UnlockOptions.h	365

UnseedEvent.cpp	367
UnseedEvent.h	368
Utils.cpp	370
Utils.h	371
WriteAction.cpp	373
WriteAction.h	374
WriteOp.cpp	376
WriteOp.h	377

Chapter 5

Namespace Documentation

5.1 ASApi Namespace Reference

Namespaces

- namespace [Common](#)

Classes

- class [Action](#)
- class [ActionResult](#)
- class [Admin](#)
- class [AlterAction](#)
- class [AuthenticationCallback](#)
- class [AuthenticationInfo](#)
- class [Browser](#)
- class [BrowserDef](#)
- class [CloseAction](#)
- class [EventBrowser](#)
- class [EventBrowserDef](#)
- class [EvictEvent](#)
- class [Exception](#)
- class [ExpireEvent](#)
- class [FieldDef](#)
- class [FieldDefList](#)
- class [Filter](#)
- class [GetOptions](#)
- class [IndexDef](#)
- class [Invocable](#)
- class [InvokeOptions](#)
- class [InvokeResult](#)

- class [InvokeResultList](#)
- class [KeyDef](#)
- class [Listener](#)
- class [ListenerBase](#)
- class [ListenerDef](#)
- class [ListenerTemplate](#)
- class [LoadAction](#)
- class [LockOptions](#)
- class [Member](#)
- class [MemberDef](#)
- class [MemberInvocable](#)
- class [Metaspace](#)
- class [MetaspaceMemberListener](#)
- class [MetaspaceRemoteMemberListener](#)
- class [OpenAction](#)
- class [Persister](#)
- class [PutEvent](#)
- class [PutOp](#)
- class [PutOptions](#)
- class [ReadAction](#)
- class [RecoveryOptions](#)
- class [Result](#)
- class [ResultList](#)
- class [Router](#)
- class [SeedEvent](#)
- class [SharedPtr](#)
- class [Space](#)
- class [SpaceDef](#)
- class [SpaceDefListener](#)
- class [SpaceEvent](#)
- class [SpaceMemberListener](#)
- class [SpaceOptions](#)
- class [SpaceRemoteMemberListener](#)
- class [SpaceResult](#)
- class [SpaceResultHandler](#)
- class [SpaceResultList](#)
- class [SpaceStateListener](#)
- class [TakeEvent](#)
- class [TakeOp](#)
- class [TakeOptions](#)
- class [Tuple](#)
- class [Deleter](#)
- class [UnlockOptions](#)
- class [UnseedEvent](#)
- class [WriteAction](#)
- class [WriteOp](#)

Typedefs

- typedef std::mutex [Mutex](#)
- typedef tibas_status [Status](#)
- typedef tibas_distributionScope [DistributionScope](#)
- typedef tibas_timeScope [TimeScope](#)
- typedef tibas_logLevel [LogLevel](#)
- typedef tibas_indexType [IndexType](#)
- typedef tibas_managementRole [ManagementRole](#)
- typedef tibas_distributionRole [DistributionRole](#)
- typedef tibas_browserType [BrowserType](#)
- typedef tibas_spaceState [SpaceState](#)
- typedef tibas_distributionPolicy [DistributionPolicy](#)
- typedef tibas_persistenceType [PersistenceType](#)
- typedef tibas_persistencePolicy [PersistencePolicy](#)
- typedef tibas_evictionPolicy [EvictionPolicy](#)

Functions

- std::vector< std::string > [asStringListToVector](#) (const tibasStringList &stringList)
- [SharedPtr](#)< tibasTupleList > [tuplesToAsTupleList](#) (const std::vector< [Tuple](#) > &tuples)
- [SharedPtr](#)< tibasMemberList > [membersToAsMemberList](#) (const std::vector< [Member](#) > &members, const [Metaspace](#) &metaspace)
- std::vector< [Member](#) > [asMemberListToVector](#) (tibasMemberList &memberList)

5.1.1 Typedef Documentation

5.1.1.1 typedef tibas_browserType ASApi::BrowserType

Definition at line 23 of file Types.h.

5.1.1.2 typedef tibas_distributionPolicy ASApi::DistributionPolicy

Definition at line 27 of file Types.h.

5.1.1.3 typedef tibas_distributionRole ASApi::DistributionRole

Definition at line 22 of file Types.h.

5.1.1.4 typedef tibas_distributionScope ASApi::DistributionScope

Definition at line 17 of file Types.h.

5.1.1.5 typedef tibas_evictionPolicy ASApi::EvictionPolicy

Definition at line 30 of file Types.h.

5.1.1.6 typedef tibas_indexType ASApi::IndexType

Definition at line 20 of file Types.h.

5.1.1.7 typedef tibas_logLevel ASApi::LogLevel

Definition at line 19 of file Types.h.

5.1.1.8 typedef tibas_managementRole ASApi::ManagementRole

Definition at line 21 of file Types.h.

5.1.1.9 typedef std::mutex ASApi::Mutex

Definition at line 61 of file Mutex.h.

5.1.1.10 typedef tibas_persistencePolicy ASApi::PersistencePolicy

Definition at line 29 of file Types.h.

5.1.1.11 typedef tibas_persistenceType ASApi::PersistenceType

Definition at line 28 of file Types.h.

5.1.1.12 typedef tibas_spaceState ASApi::SpaceState

Definition at line 24 of file Types.h.

5.1.1.13 typedef tibas_status ASApi::Status

Definition at line 16 of file Types.h.

5.1.1.14 typedef tibas_timeScope ASApi::TimeScope

Definition at line 18 of file Types.h.

5.1.2 Function Documentation

5.1.2.1 `vector< Member > ASApi::asMemberListToVector (tibasMemberList & memberList)`

Definition at line 58 of file Utils.cpp.

5.1.2.2 `vector< string > ASApi::asStringListToVector (const tibasStringList & stringList)`

Definition at line 9 of file Utils.cpp.

5.1.2.3 `SharedPtr< tibasMemberList > ASApi::membersToAsMemberList (const std::vector< Member > & members, const Metaspaces & metaspaces)`

Definition at line 41 of file Utils.cpp.

5.1.2.4 `SharedPtr< tibasTupleList > ASApi::tuplesToAsTupleList (const std::vector< Tuple > & tuples)`

Definition at line 25 of file Utils.cpp.

5.2 ASApi::Common Namespace Reference

Functions

- void AS_CPP_API [setLogLevel](#) (const [LogLevel](#) &logLevel)
- void AS_CPP_API [setSecurityLogLevel](#) (const [LogLevel](#) &logLevel)
- [LogLevel](#) AS_CPP_API [getLogLevel](#) ()
- [LogLevel](#) AS_CPP_API [getSecurityLogLevel](#) ()
- void AS_CPP_API [setFileLogging](#) (const [LogLevel](#) &logLevel)
- void AS_CPP_API [setFileLogging](#) (const std::string &fileName, const [LogLevel](#) &logLevel)
- void AS_CPP_API [setFileLogging](#) (const std::string &logDir, const std::string &fileName, const [LogLevel](#) &logLevel)
- void AS_CPP_API [setEventLogging](#) (const std::string &fileName, const [LogLevel](#) &logLevel)
- [Metaspace](#) AS_CPP_API [getMetaspace](#) (const std::string &metaspaceName)
- [Metaspace](#) AS_CPP_API [connectMetaspace](#) (const std::string &metaspaceName, const [MemberDef](#) &memberDef)
- std::vector< std::string > AS_CPP_API [getMetaspaceNames](#) ()
- void AS_CPP_API [setInvocable](#) (const std::string &alias, [Invocable::Creator](#) creator)
- void AS_CPP_API [setInvocable](#) (const std::string &alias, [SharedPtr](#)< [Invocable](#) > invocable)
- void AS_CPP_API [setMemberInvocable](#) (const std::string &alias, [MemberInvocable::Creator](#) creator)
- void AS_CPP_API [setMemberInvocable](#) (const std::string &alias, [SharedPtr](#)< [MemberInvocable](#) > memberInvocable)
- std::vector< std::string > AS_CPP_API [getInvocableAliases](#) ()
- std::vector< std::string > AS_CPP_API [getMemberInvocableAliases](#) ()
- void AS_CPP_API [removeInvocable](#) (const std::string &alias)
- void AS_CPP_API [removeMemberInvocable](#) (const std::string &alias)

5.2.1 Function Documentation

5.2.1.1 [Metaspace ASApi::Common::connectMetaspace \(const std::string &metaspaceName, const MemberDef &memberDef\)](#)

Definition at line 59 of file Common.cpp.

5.2.1.2 [vector< string > ASApi::Common::getInvocableAliases \(\)](#)

Definition at line 97 of file Common.cpp.

5.2.1.3 [LogLevel ASApi::Common::getLogLevel \(\)](#)

Definition at line 22 of file Common.cpp.

5.2.1.4 `vector< string > ASApi::Common::getMemberInvocableAliases ()`

Definition at line 105 of file Common.cpp.

5.2.1.5 `Metaspace ASApi::Common::getMetaspace (const std::string & metaspaceName)`

Definition at line 51 of file Common.cpp.

5.2.1.6 `vector< string > ASApi::Common::getMetaspaceNames ()`

Definition at line 65 of file Common.cpp.

5.2.1.7 `LogLevel ASApi::Common::getSecurityLogLevel ()`

Definition at line 30 of file Common.cpp.

5.2.1.8 `void ASApi::Common::removeInvocable (const std::string & alias)`

Definition at line 113 of file Common.cpp.

5.2.1.9 `void ASApi::Common::removeMemberInvocable (const std::string & alias)`

Definition at line 119 of file Common.cpp.

5.2.1.10 `void ASApi::Common::setEventLogging (const std::string & fileName, const LogLevel & logLevel)`

Definition at line 44 of file Common.cpp.

5.2.1.11 `void AS_CPP_API ASApi::Common::setFileLogging (const std::string & logDir, const std::string & fileName, const LogLevel & logLevel)`**5.2.1.12** `void AS_CPP_API ASApi::Common::setFileLogging (const std::string & fileName, const LogLevel & logLevel)`**5.2.1.13** `void ASApi::Common::setFileLogging (const LogLevel & logLevel)`

Definition at line 38 of file Common.cpp.

5.2.1.14 void ASApi::Common::setInvocable (const std::string & *alias*,
SharedPtr< Invocable > *invocable*)

Definition at line 79 of file Common.cpp.

5.2.1.15 void ASApi::Common::setInvocable (const std::string & *alias*,
Invocable::Creator *creator*)

Definition at line 73 of file Common.cpp.

5.2.1.16 void ASApi::Common::setLogLevel (const LogLevel & *logLevel*)

Definition at line 10 of file Common.cpp.

5.2.1.17 void ASApi::Common::setMemberInvocable (const std::string & *alias*,
SharedPtr< MemberInvocable > *memberInvocable*)

Definition at line 91 of file Common.cpp.

5.2.1.18 void ASApi::Common::setMemberInvocable (const std::string & *alias*,
MemberInvocable::Creator *creator*)

Definition at line 85 of file Common.cpp.

5.2.1.19 void ASApi::Common::setSecurityLogLevel (const LogLevel &
logLevel)

Definition at line 16 of file Common.cpp.

Chapter 6

Class Documentation

6.1 ASApi::Action Class Reference

```
#include <Action.h>
```

Inherited by [ASApi::AlterAction](#), [ASApi::CloseAction](#), [ASApi::LoadAction](#), [ASApi::OpenAction](#), [ASApi::ReadAction](#), and [ASApi::WriteAction](#).

Public Member Functions

- `std::string getSpaceName () const`
- `std::string getMetaspaceName () const`

Protected Member Functions

- `Action (const tibasAction &action)`

Protected Attributes

- `const tibasAction & m_action`

6.1.1 Detailed Description

Definition at line 14 of file Action.h.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 `Action::Action (const tibasAction & action)` `[protected]`

Definition at line 9 of file Action.cpp.

6.1.3 Member Function Documentation

6.1.3.1 `string Action::getMetaspaceName () const`

Definition at line 24 of file Action.cpp.

6.1.3.2 `string Action::getSpaceName () const`

Definition at line 16 of file Action.cpp.

6.1.4 Member Data Documentation

6.1.4.1 `const tibasAction& ASApi::Action::m_action [protected]`

Definition at line 23 of file Action.h.

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

- [Action.h](#)
- [Action.cpp](#)

6.2 ASApi::ActionResult Class Reference

```
#include <ActionResult.h>
```

Public Member Functions

- [ActionResult](#) (tibasActionResult &actionResult)
- [ActionResult](#) & [setFailed](#) ()
- [ActionResult](#) & [setFailed](#) (const [Status](#) &status)
- [Status](#) [getStatus](#) () const
- [ActionResult](#) & [setTuple](#) (const [Tuple](#) &tuple)
- [Tuple](#) [getTuple](#) () const

6.2.1 Detailed Description

Definition at line 12 of file ActionResult.h.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 ActionResult::ActionResult (tibasActionResult & *actionResult*) [explicit]

Definition at line 9 of file ActionResult.cpp.

6.2.3 Member Function Documentation

6.2.3.1 ASApi::Status ActionResult::getStatus () const

Definition at line 29 of file ActionResult.cpp.

6.2.3.2 Tuple ActionResult::getTuple () const

Definition at line 44 of file ActionResult.cpp.

6.2.3.3 ActionResult & ActionResult::setFailed (const Status & *status*)

Definition at line 22 of file ActionResult.cpp.

6.2.3.4 ActionResult & ActionResult::setFailed ()

Definition at line 15 of file ActionResult.cpp.

6.2.3.5 `ActionResult` & `ActionResult::setTuple (const Tuple & tuple)`

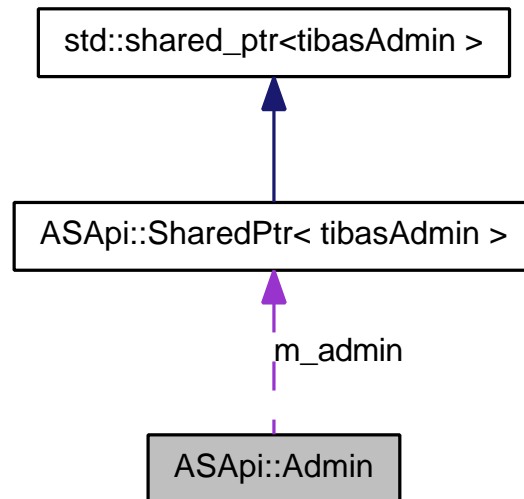
Definition at line 37 of file `ActionResult.cpp`.

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

- [ActionResult.h](#)
- [ActionResult.cpp](#)

6.3 ASApi::Admin Class Reference

#include <Admin.h> Collaboration diagram for ASApi::Admin:



Public Member Functions

- [Admin \(\)](#)
- [~Admin \(\)](#)
- [Metaspace connect](#) (const std::string &command)
- std::string [execute](#) (const [Metaspace](#) &metaspace, const std::string &command)

6.3.1 Detailed Description

Definition at line 11 of file Admin.h.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 Admin::Admin ()

Definition at line 8 of file Admin.cpp.

6.3.2.2 Admin::~~Admin ()

Definition at line 15 of file Admin.cpp.

6.3.3 Member Function Documentation

6.3.3.1 Metaspace Admin::connect (const std::string & *command*)

Definition at line 21 of file Admin.cpp.

6.3.3.2 string Admin::execute (const Metaspace & *metaspace*, const std::string & *command*)

Definition at line 29 of file Admin.cpp.

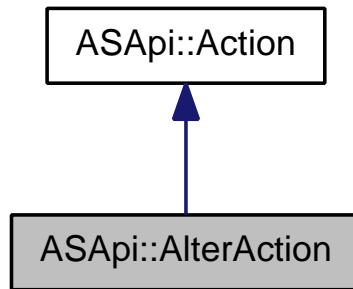
The documentation for this class was generated from the following files:

- [Admin.h](#)
- [Admin.cpp](#)

6.4 ASApi::AlterAction Class Reference

```
#include <AlterAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::AlterAction:



Public Member Functions

- [AlterAction](#) (const tibasAction &action)
- [SpaceDef getSpaceDef](#) () const
- [SpaceDef getOldSpaceDef](#) () const

6.4.1 Detailed Description

Definition at line 9 of file AlterAction.h.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 AlterAction::AlterAction (const tibasAction & *action*)

Definition at line 7 of file AlterAction.cpp.

6.4.3 Member Function Documentation

6.4.3.1 SpaceDef AlterAction::getOldSpaceDef () const

Definition at line 14 of file AlterAction.cpp.

6.4.3.2 SpaceDef AlterAction::getSpaceDef () const

Definition at line 22 of file AlterAction.cpp.

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

- [AlterAction.h](#)
- [AlterAction.cpp](#)

6.5 ASApi::AuthenticationCallback Class Reference

```
#include <AuthenticationCallback.h>
```

Classes

- struct [CClosure](#)

Public Member Functions

- virtual [Status](#) [createUserCredential](#) ([AuthenticationInfo](#) &info)=0

Static Public Member Functions

- static [tibas_status](#) [callback](#) ([tibasAuthenticationInfo](#) authInfo, void *closure)

6.5.1 Detailed Description

Definition at line 12 of file AuthenticationCallback.h.

6.5.2 Member Function Documentation

6.5.2.1 [tibas_status AuthenticationCallback::callback](#) ([tibasAuthenticationInfo](#) *authInfo*, void * *closure*) [**static**]

Definition at line 6 of file AuthenticationCallback.cpp.

6.5.2.2 [virtual Status ASApi::AuthenticationCallback::createUserCredential](#) ([AuthenticationInfo](#) & *info*) [**pure virtual**]

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

- [AuthenticationCallback.h](#)
- [AuthenticationCallback.cpp](#)

6.6 ASApi::AuthenticationInfo Class Reference

```
#include <AuthenticationInfo.h>
```

Public Types

- typedef tibas_authenticationMethod [Method](#)

Public Member Functions

- [AuthenticationInfo](#) (const tibasAuthenticationInfo &authInfo)
- std::string [getMetaspaceName](#) () const
- std::string [getHint](#) () const
- std::string [getDomain](#) () const
- void [setDomain](#) (const std::string &domain)
- std::string [getUserName](#) () const
- void [setUserName](#) (const std::string &userName)
- std::string [getPassword](#) () const
- void [setPassword](#) (const std::string &password)

6.6.1 Detailed Description

Definition at line 13 of file AuthenticationInfo.h.

6.6.2 Member Typedef Documentation

6.6.2.1 typedef tibas_authenticationMethod AS- Api::AuthenticationInfo::Method

Definition at line 16 of file AuthenticationInfo.h.

6.6.3 Constructor & Destructor Documentation

6.6.3.1 AuthenticationInfo::AuthenticationInfo (const tibasAuthenticationInfo & authInfo)

Definition at line 12 of file AuthenticationInfo.cpp.

6.6.4 Member Function Documentation

6.6.4.1 string AuthenticationInfo::getDomain () const

Definition at line 31 of file AuthenticationInfo.cpp.

6.6.4.2 string AuthenticationInfo::getHint () const

Definition at line 25 of file AuthenticationInfo.cpp.

6.6.4.3 string AuthenticationInfo::getMetaspaceName () const

Definition at line 19 of file AuthenticationInfo.cpp.

6.6.4.4 string AuthenticationInfo::getPassword () const

Definition at line 55 of file AuthenticationInfo.cpp.

6.6.4.5 string AuthenticationInfo::getUserName () const

Definition at line 43 of file AuthenticationInfo.cpp.

6.6.4.6 void AuthenticationInfo::setDomain (const std::string & *domain*)

Definition at line 37 of file AuthenticationInfo.cpp.

6.6.4.7 void AuthenticationInfo::setPassword (const std::string & *password*)

Definition at line 61 of file AuthenticationInfo.cpp.

6.6.4.8 void AuthenticationInfo::setUserName (const std::string & *userName*)

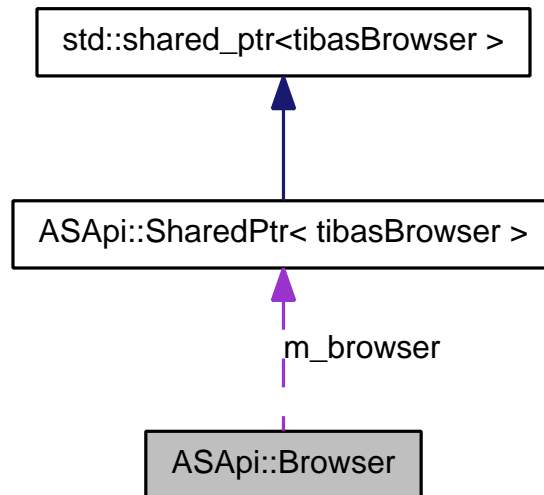
Definition at line 49 of file AuthenticationInfo.cpp.

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

- [AuthenticationInfo.h](#)
- [AuthenticationInfo.cpp](#)

6.7 ASApi::Browser Class Reference

`#include <Browser.h>` Collaboration diagram for ASApi::Browser:



Public Member Functions

- [Browser \(\)](#)
- [~Browser \(\)](#)
- `const tibasBrowser & get \(\) const`
- `tibasBrowser & get \(\)`
- [Tuple next \(\)](#) const

6.7.1 Detailed Description

Definition at line 13 of file `Browser.h`.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 Browser::Browser ()

Definition at line 8 of file `Browser.cpp`.

6.7.2.2 Browser::~~Browser ()

Definition at line 15 of file `Browser.cpp`.

6.7.3 Member Function Documentation

6.7.3.1 `tibasBrowser & Browser::get ()`

Definition at line 27 of file Browser.cpp.

6.7.3.2 `const tibasBrowser & Browser::get () const`

Definition at line 21 of file Browser.cpp.

6.7.3.3 `Tuple Browser::next () const`

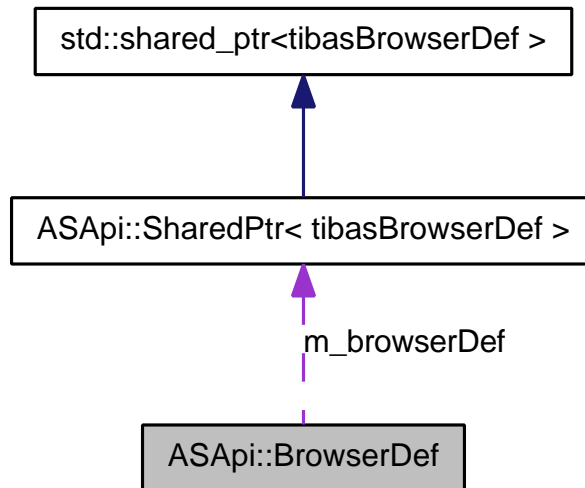
Definition at line 32 of file Browser.cpp.

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

- [Browser.h](#)
- [Browser.cpp](#)

6.8 ASApi::BrowserDef Class Reference

#include <BrowserDef.h> Collaboration diagram for ASApi::BrowserDef:



Public Member Functions

- [BrowserDef \(\)](#)
- [~BrowserDef \(\)](#)
- const tibasBrowserDef & [get \(\)](#) const
- tibasBrowserDef & [get \(\)](#)
- [DistributionScope](#) [getDistributionScope \(\)](#) const
- long long [getTimeout \(\)](#) const
- [TimeScope](#) [getTimeScope \(\)](#) const
- [BrowserDef](#) & [setDistributionScope](#) (const [DistributionScope](#) &distribution-
Scope)
- [BrowserDef](#) & [setTimeout](#) (long long timeout)
- [BrowserDef](#) & [setTimeScope](#) (const [TimeScope](#) ×cope)

6.8.1 Detailed Description

Definition at line 13 of file BrowserDef.h.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 BrowserDef::BrowserDef ()

Definition at line 9 of file BrowserDef.cpp.

6.8.2.2 BrowserDef::~~BrowserDef ()

Definition at line 17 of file BrowserDef.cpp.

6.8.3 Member Function Documentation

6.8.3.1 tibasBrowserDef & BrowserDef::get ()

Definition at line 29 of file BrowserDef.cpp.

6.8.3.2 const tibasBrowserDef & BrowserDef::get () const

Definition at line 23 of file BrowserDef.cpp.

6.8.3.3 DistributionScope BrowserDef::getDistributionScope () const

Definition at line 35 of file BrowserDef.cpp.

6.8.3.4 long long BrowserDef::getTimeout () const

Definition at line 43 of file BrowserDef.cpp.

6.8.3.5 TimeScope BrowserDef::getTimeScope () const

Definition at line 51 of file BrowserDef.cpp.

6.8.3.6 BrowserDef & BrowserDef::setDistributionScope (const DistributionScope & *distributionScope*)

Definition at line 59 of file BrowserDef.cpp.

6.8.3.7 BrowserDef & BrowserDef::setTimeout (long long *timeout*)

Definition at line 66 of file BrowserDef.cpp.

6.8.3.8 BrowserDef & BrowserDef::setTimeScope (const TimeScope & *timescope*)

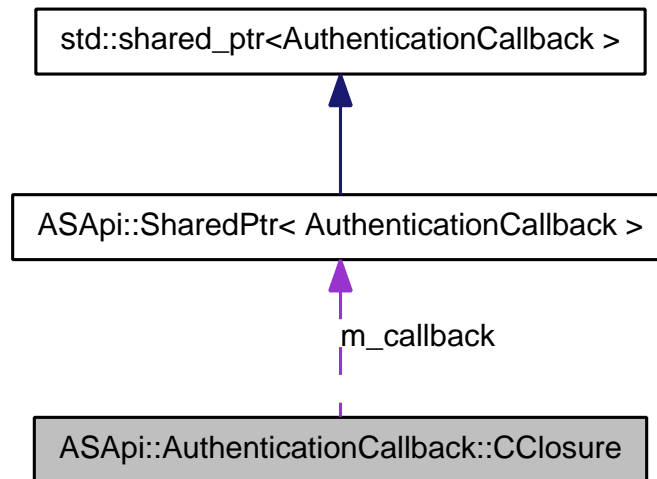
Definition at line 73 of file BrowserDef.cpp.

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

- [BrowserDef.h](#)
- [BrowserDef.cpp](#)

6.9 ASApi::AuthenticationCallback::CClosure Struct Reference

`#include <AuthenticationCallback.h>` Collaboration diagram for AS-Api::AuthenticationCallback::CClosure:



Public Attributes

- [SharedPtr< AuthenticationCallback > m_callback](#)

6.9.1 Detailed Description

Definition at line 15 of file AuthenticationCallback.h.

6.9.2 Member Data Documentation

6.9.2.1 SharedPtr<AuthenticationCallback> ASApi::AuthenticationCallback::CClosure::m_callback

Definition at line 17 of file AuthenticationCallback.h.

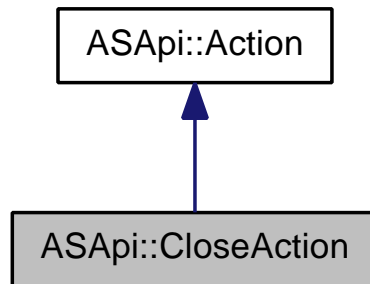
The documentation for this struct was generated from the following file:

- [AuthenticationCallback.h](#)

6.10 ASApi::CloseAction Class Reference

```
#include <CloseAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::CloseAction:



Public Member Functions

- [CloseAction](#) (const tibasAction &action)

6.10.1 Detailed Description

Definition at line 9 of file CloseAction.h.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 CloseAction::CloseAction (const tibasAction & action)

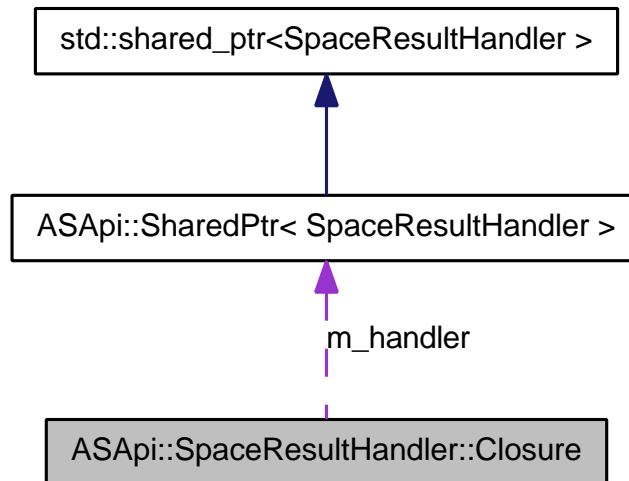
Definition at line 6 of file CloseAction.cpp.

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

- [CloseAction.h](#)
- [CloseAction.cpp](#)

6.11 ASApi::SpaceResultHandler::Closure Struct Reference

`#include <SpaceResultHandler.h>` Collaboration diagram for AS-Api::SpaceResultHandler::Closure:



Public Attributes

- [SharedPtr<SpaceResultHandler>](#) [m_handler](#)
- void * [m_closure](#)

6.11.1 Detailed Description

Definition at line 13 of file SpaceResultHandler.h.

6.11.2 Member Data Documentation

6.11.2.1 void* ASApi::SpaceResultHandler::Closure::m_closure

Definition at line 16 of file SpaceResultHandler.h.

6.11.2.2 SharedPtr<SpaceResultHandler> ASApi::SpaceResultHandler::Closure::m_handler

Definition at line 15 of file SpaceResultHandler.h.

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

- [SpaceResultHandler.h](#)

6.12 ASApi::Deleter< T > Class Template Reference

```
#include <Types.h>
```

Public Member Functions

- [Deleter](#) (Function *fn*=NULL)
- void [operator\(\)](#) (T **ptr*)
- void [reset](#) ()

6.12.1 Detailed Description

template<typename T> class ASApi::Deleter< T >

Definition at line 33 of file Types.h.

6.12.2 Constructor & Destructor Documentation

6.12.2.1 template<typename T > ASApi::Deleter< T >::Deleter (Function *fn* = NULL) [inline]

Definition at line 49 of file Types.h.

6.12.3 Member Function Documentation

6.12.3.1 template<typename T> void ASApi::Deleter< T >::operator() (T **ptr*) [inline]

Definition at line 57 of file Types.h.

6.12.3.2 template<typename T> void ASApi::Deleter< T >::reset () [inline]

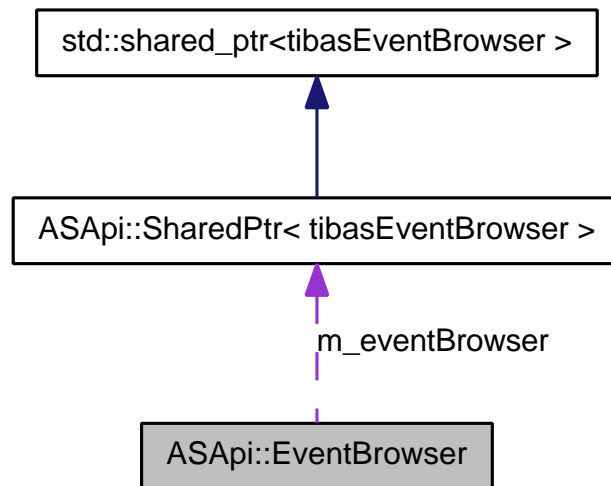
Definition at line 44 of file Types.h.

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

- [Types.h](#)

6.13 ASApi::EventBrowser Class Reference

#include <EventBrowser.h> Collaboration diagram for AS-Api::EventBrowser:



Public Member Functions

- [EventBrowser \(\)](#)
- [~EventBrowser \(\)](#)
- const tibasEventBrowser & [get \(\)](#) const
- tibasEventBrowser & [get \(\)](#)

6.13.1 Detailed Description

Definition at line 13 of file EventBrowser.h.

6.13.2 Constructor & Destructor Documentation

6.13.2.1 EventBrowser::EventBrowser ()

Definition at line 9 of file EventBrowser.cpp.

6.13.2.2 EventBrowser::~~EventBrowser ()

Definition at line 16 of file EventBrowser.cpp.

6.13.3 Member Function Documentation

6.13.3.1 `tibasEventBrowser & EventBrowser::get ()`

Definition at line 28 of file EventBrowser.cpp.

6.13.3.2 `const tibasEventBrowser & EventBrowser::get () const`

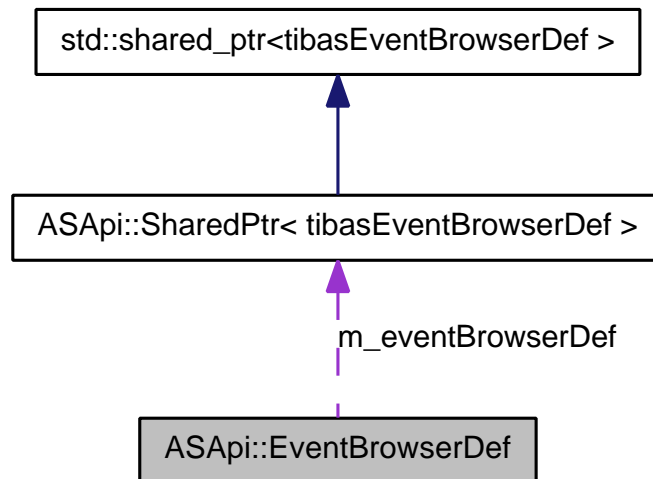
Definition at line 22 of file EventBrowser.cpp.

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

- [EventBrowser.h](#)
- [EventBrowser.cpp](#)

6.14 ASApi::EventBrowserDef Class Reference

`#include <EventBrowserDef.h>` Collaboration diagram for AS-Api::EventBrowserDef:



Public Member Functions

- [EventBrowserDef \(\)](#)
- [~EventBrowserDef \(\)](#)
- `const tibasEventBrowserDef & get () const`
- `tibasEventBrowserDef & get ()`
- `DistributionScope getDistributionScope () const`
- `long long getTimeout () const`
- `TimeScope getTimeScope () const`
- `EventBrowserDef & setDistributionScope (const DistributionScope &distributionScope)`
- `EventBrowserDef & setTimeout (long long timeout)`
- `EventBrowserDef & setTimeScope (const TimeScope ×cope)`

6.14.1 Detailed Description

Definition at line 13 of file EventBrowserDef.h.

6.14.2 Constructor & Destructor Documentation

6.14.2.1 EventBrowserDef::EventBrowserDef ()

Definition at line 9 of file EventBrowserDef.cpp.

6.14.2.2 EventBrowserDef::~~EventBrowserDef ()

Definition at line 17 of file EventBrowserDef.cpp.

6.14.3 Member Function Documentation

6.14.3.1 tibasEventBrowserDef & EventBrowserDef::get ()

Definition at line 29 of file EventBrowserDef.cpp.

6.14.3.2 const tibasEventBrowserDef & EventBrowserDef::get () const

Definition at line 23 of file EventBrowserDef.cpp.

6.14.3.3 DistributionScope EventBrowserDef::getDistributionScope () const

Definition at line 35 of file EventBrowserDef.cpp.

6.14.3.4 long long EventBrowserDef::getTimeout () const

Definition at line 43 of file EventBrowserDef.cpp.

6.14.3.5 TimeScope EventBrowserDef::getTimeScope () const

Definition at line 51 of file EventBrowserDef.cpp.

6.14.3.6 EventBrowserDef & EventBrowserDef::setDistributionScope (const DistributionScope & *distributionScope*)

Definition at line 59 of file EventBrowserDef.cpp.

6.14.3.7 EventBrowserDef & EventBrowserDef::setTimeout (long long *timeout*)

Definition at line 66 of file EventBrowserDef.cpp.

6.14.3.8 EventBrowserDef & EventBrowserDef::setTimeScope (const TimeScope & *timescope*)

Definition at line 73 of file EventBrowserDef.cpp.

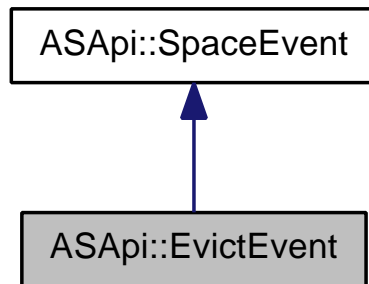
The documentation for this class was generated from the following files:

- [EventBrowserDef.h](#)
- [EventBrowserDef.cpp](#)

6.15 ASApi::EvictEvent Class Reference

```
#include <EvictEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::EvictEvent:



Public Member Functions

- [EvictEvent](#) (const tibasSpaceEvent &event)
- [~EvictEvent](#) ()

6.15.1 Detailed Description

Definition at line 10 of file EvictEvent.h.

6.15.2 Constructor & Destructor Documentation

6.15.2.1 EvictEvent::EvictEvent (const tibasSpaceEvent & *event*)

Definition at line 8 of file EvictEvent.cpp.

6.15.2.2 EvictEvent::~EvictEvent ()

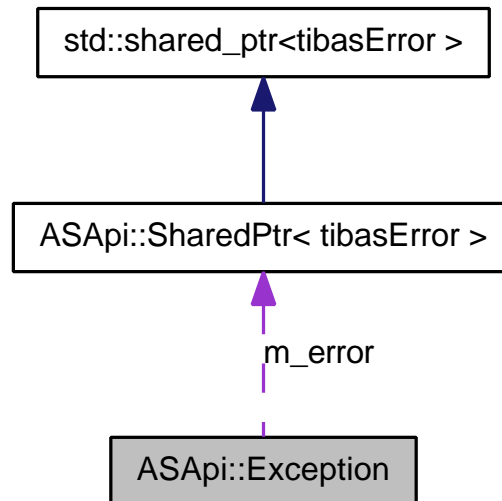
Definition at line 14 of file EvictEvent.cpp.

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

- [EvictEvent.h](#)
- [EvictEvent.cpp](#)

6.16 ASApi::Exception Class Reference

`#include <Exception.h>` Collaboration diagram for ASApi::Exception:



Public Member Functions

- [Exception](#) (const tibas_status &status)
- [Exception](#) (const tibasError &error)
- [Exception](#) ([SharedPtr](#)<tibasError> &error)
- const tibas_status & [getStatus](#) () const
- tibas_status [getCode](#) () const
- std::string [getMessage](#) () const
- std::string [getStackTrace](#) () const

6.16.1 Detailed Description

Definition at line 20 of file Exception.h.

6.16.2 Constructor & Destructor Documentation

6.16.2.1 Exception::Exception (const tibas_status & status)

Definition at line 8 of file Exception.cpp.

6.16.2.2 Exception::Exception (const tibasError & error)

Definition at line 16 of file Exception.cpp.

6.16.2.3 Exception::Exception (SharedPtr< tibasError > & *error*)

Definition at line 29 of file Exception.cpp.

6.16.3 Member Function Documentation**6.16.3.1 tibas_status Exception::getCode () const**

Definition at line 43 of file Exception.cpp.

6.16.3.2 string Exception::getMessage () const

Definition at line 52 of file Exception.cpp.

6.16.3.3 string Exception::getStackTrace () const

Definition at line 61 of file Exception.cpp.

6.16.3.4 const tibas_status & Exception::getStatus () const

Definition at line 37 of file Exception.cpp.

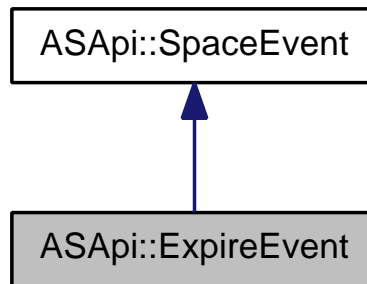
The documentation for this class was generated from the following files:

- [Exception.h](#)
- [Exception.cpp](#)

6.17 ASApi::ExpireEvent Class Reference

```
#include <ExpireEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::ExpireEvent:



Public Member Functions

- [ExpireEvent](#) (const tibasSpaceEvent &event)
- [~ExpireEvent](#) ()

6.17.1 Detailed Description

Definition at line 10 of file ExpireEvent.h.

6.17.2 Constructor & Destructor Documentation

6.17.2.1 ExpireEvent::ExpireEvent (const tibasSpaceEvent & *event*)

Definition at line 8 of file ExpireEvent.cpp.

6.17.2.2 ExpireEvent::~~ExpireEvent ()

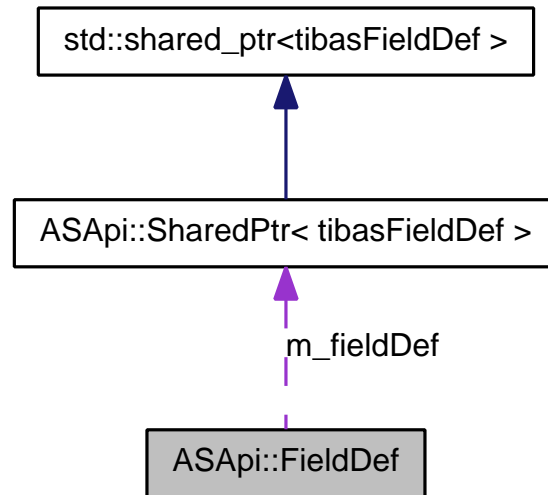
Definition at line 14 of file ExpireEvent.cpp.

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

- [ExpireEvent.h](#)
- [ExpireEvent.cpp](#)

6.18 ASApi::FieldDef Class Reference

#include <FieldDef.h> Collaboration diagram for ASApi::FieldDef:



Public Types

- typedef tibas_type [Type](#)

Public Member Functions

- [FieldDef](#) ()
- [FieldDef](#) (const std::string &fieldName, tibas_type fieldType)
- [~FieldDef](#) ()
- const tibasFieldDef & [get](#) () const
- tibasFieldDef & [get](#) ()
- std::string [getName](#) () const
- [Type](#) [getType](#) () const
- bool [isNullable](#) () const
- [FieldDef](#) & [setNullable](#) (bool nullable)
- [FieldDef](#) & [setEncrypted](#) (bool secured)
- bool [isEncrypted](#) ()

Static Public Member Functions

- static [FieldDef](#) [create](#) (const std::string &fieldName, tibas_type fieldType)

6.18.1 Detailed Description

Definition at line 12 of file FieldDef.h.

6.18.2 Member Typedef Documentation

6.18.2.1 `typedef tibas_type ASApi::FieldDef::Type`

Definition at line 15 of file FieldDef.h.

6.18.3 Constructor & Destructor Documentation

6.18.3.1 `FieldDef::FieldDef ()`

Definition at line 9 of file FieldDef.cpp.

6.18.3.2 `FieldDef::FieldDef (const std::string & fieldName, tibas_type fieldType)`

Definition at line 15 of file FieldDef.cpp.

6.18.3.3 `FieldDef::~~FieldDef ()`

Definition at line 23 of file FieldDef.cpp.

6.18.4 Member Function Documentation

6.18.4.1 `FieldDef FieldDef::create (const std::string & fieldName, tibas_type fieldType) [static]`

Definition at line 29 of file FieldDef.cpp.

6.18.4.2 `tibasFieldDef & FieldDef::get ()`

Definition at line 42 of file FieldDef.cpp.

6.18.4.3 `const tibasFieldDef & FieldDef::get () const`

Definition at line 36 of file FieldDef.cpp.

6.18.4.4 `string FieldDef::getName () const`

Definition at line 48 of file FieldDef.cpp.

6.18.4.5 FieldDef::Type FieldDef::getType () const

Definition at line 55 of file FieldDef.cpp.

6.18.4.6 bool FieldDef::isEncrypted ()

Definition at line 102 of file FieldDef.cpp.

6.18.4.7 bool FieldDef::isNullable () const

Definition at line 62 of file FieldDef.cpp.

6.18.4.8 FieldDef & FieldDef::setEncrypted (bool *secured*)

Definition at line 89 of file FieldDef.cpp.

6.18.4.9 FieldDef & FieldDef::setNullable (bool *nullable*)

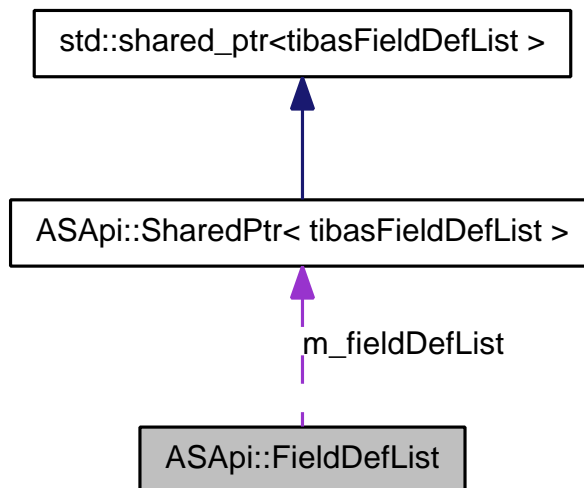
Definition at line 75 of file FieldDef.cpp.

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

- [FieldDef.h](#)
- [FieldDef.cpp](#)

6.19 ASApi::FieldDefList Class Reference

#include <FieldDefList.h> Collaboration diagram for AS-Api::FieldDefList:



Public Member Functions

- [FieldDefList \(\)](#)
- [~FieldDefList \(\)](#)
- const tibasFieldDefList & [get \(\)](#) const
- tibasFieldDefList & [get \(\)](#)
- [FieldDef get](#) (int index)
- int [size](#) () const

6.19.1 Detailed Description

Definition at line 13 of file FieldDefList.h.

6.19.2 Constructor & Destructor Documentation

6.19.2.1 FieldDefList::FieldDefList ()

Definition at line 9 of file FieldDefList.cpp.

6.19.2.2 FieldDefList::~~FieldDefList ()

Definition at line 17 of file FieldDefList.cpp.

6.19.3 Member Function Documentation

6.19.3.1 FieldDef FieldDefList::get (int *index*)

Definition at line 35 of file FieldDefList.cpp.

6.19.3.2 tibasFieldDefList & FieldDefList::get ()

Definition at line 29 of file FieldDefList.cpp.

6.19.3.3 const tibasFieldDefList & FieldDefList::get () const

Definition at line 23 of file FieldDefList.cpp.

6.19.3.4 int FieldDefList::size () const

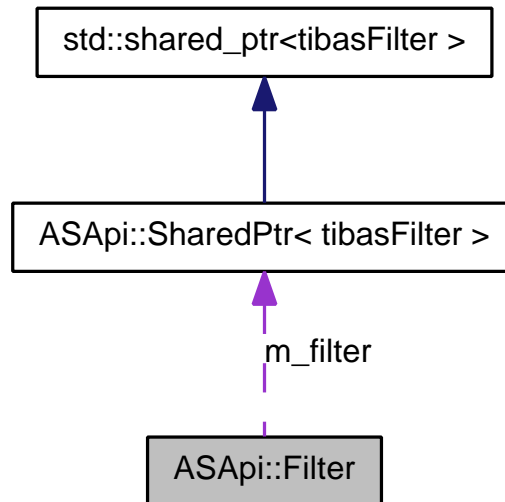
Definition at line 43 of file FieldDefList.cpp.

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

- [FieldDefList.h](#)
- [FieldDefList.cpp](#)

6.20 ASApi::Filter Class Reference

`#include <Filter.h>` Collaboration diagram for ASApi::Filter:



Public Member Functions

- [Filter](#) (const std::string &filterString)
- [~Filter](#) ()
- const tibasFilter & [get](#) () const
- tibasFilter & [get](#) ()
- bool [eval](#) (const [Tuple](#) &tuple) const

6.20.1 Detailed Description

Definition at line 13 of file Filter.h.

6.20.2 Constructor & Destructor Documentation

6.20.2.1 Filter::Filter (const std::string &filterString)

Definition at line 9 of file Filter.cpp.

6.20.2.2 Filter::~~Filter ()

Definition at line 17 of file Filter.cpp.

6.20.3 Member Function Documentation

6.20.3.1 `bool Filter::eval (const Tuple & tuple) const`

Definition at line 35 of file Filter.cpp.

6.20.3.2 `tibasFilter & Filter::get ()`

Definition at line 29 of file Filter.cpp.

6.20.3.3 `const tibasFilter & Filter::get () const`

Definition at line 23 of file Filter.cpp.

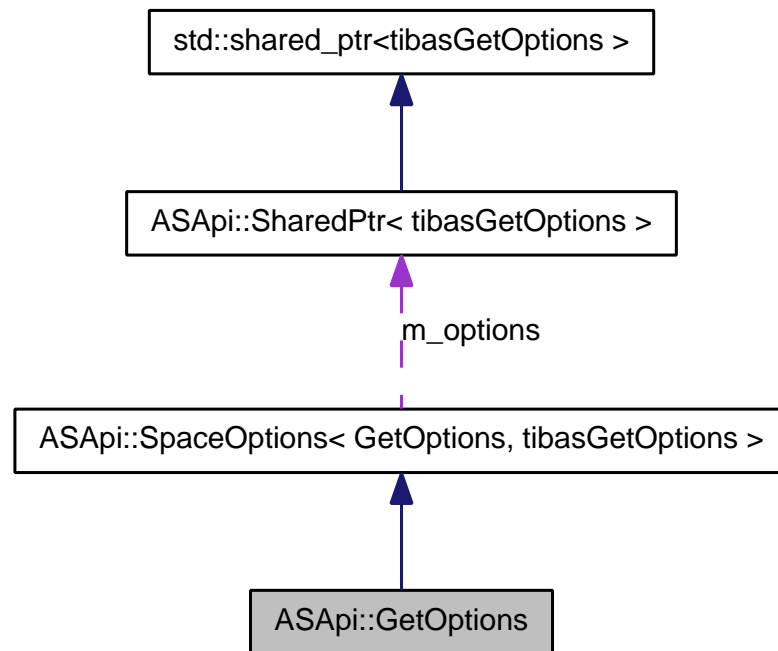
The documentation for this class was generated from the following files:

- [Filter.h](#)
- [Filter.cpp](#)

6.21 ASApi::GetOptions Class Reference

```
#include <GetOptions.h>
```

Inherits [SpaceOptions< GetOptions, tibasGetOptions >](#). Collaboration diagram for ASApi::GetOptions:



Public Member Functions

- [GetOptions \(\)](#)

6.21.1 Detailed Description

Definition at line 10 of file [GetOptions.h](#).

6.21.2 Constructor & Destructor Documentation

6.21.2.1 GetOptions::GetOptions ()

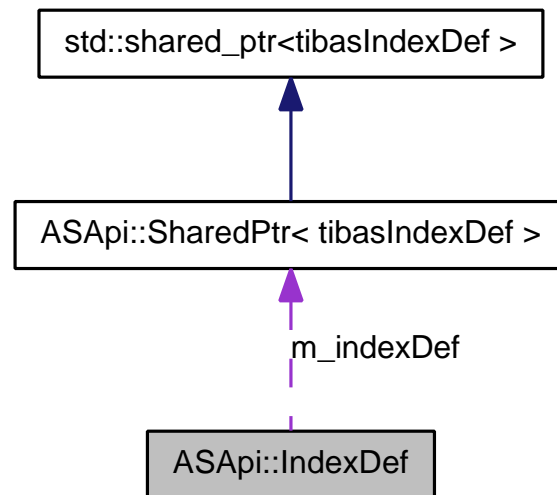
Definition at line 10 of file [GetOptions.cpp](#).

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

- [GetOptions.h](#)
- [GetOptions.cpp](#)

6.22 ASApi::IndexDef Class Reference

#include <IndexDef.h> Collaboration diagram for ASApi::IndexDef:



Public Member Functions

- [IndexDef](#) ()
- [IndexDef](#) (std::string &indexName, std::string &fieldNames)
- [~IndexDef](#) ()
- const tibasIndexDef & [get](#) () const
- tibasIndexDef & [get](#) ()
- [IndexDef](#) & [setName](#) (const std::string &indexName)
- std::string [getName](#) () const
- [IndexDef](#) & [setIndexType](#) (const [IndexType](#) &indexType)
- [IndexType](#) [getIndexType](#) () const
- std::vector< std::string > [getFieldNames](#) () const
- [IndexDef](#) & [setFieldNames](#) (const std::string &fieldNames)
- [IndexDef](#) & [setFieldNames](#) (int numFields,...)

6.22.1 Detailed Description

Definition at line 15 of file IndexDef.h.

6.22.2 Constructor & Destructor Documentation

6.22.2.1 IndexDef::IndexDef ()

Definition at line 10 of file IndexDef.cpp.

6.22.2.2 IndexDef::IndexDef (std::string & *indexName*, std::string & *fieldNames*)

Definition at line 16 of file IndexDef.cpp.

6.22.2.3 IndexDef::~~IndexDef ()

Definition at line 25 of file IndexDef.cpp.

6.22.3 Member Function Documentation

6.22.3.1 tibasIndexDef & IndexDef::get ()

Definition at line 37 of file IndexDef.cpp.

6.22.3.2 const tibasIndexDef & IndexDef::get () const

Definition at line 31 of file IndexDef.cpp.

6.22.3.3 vector< string > IndexDef::getFieldNames () const

Definition at line 74 of file IndexDef.cpp.

6.22.3.4 IndexType IndexDef::getIndexType () const

Definition at line 66 of file IndexDef.cpp.

6.22.3.5 string IndexDef::getName () const

Definition at line 51 of file IndexDef.cpp.

6.22.3.6 IndexDef & IndexDef::setFieldNames (int *numFields*, ...)

Definition at line 90 of file IndexDef.cpp.

6.22.3.7 IndexDef & IndexDef::setFieldNames (const std::string & *fieldNames*)

Definition at line 82 of file IndexDef.cpp.

6.22.3.8 IndexDef & IndexDef::setIndexType (const IndexType & *indexType*)

Definition at line 59 of file IndexDef.cpp.

6.22.3.9 IndexDef & IndexDef::setName (const std::string & *indexName*)

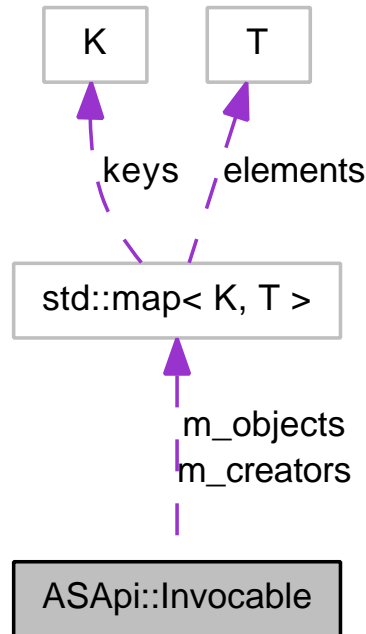
Definition at line 43 of file IndexDef.cpp.

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

- [IndexDef.h](#)
- [IndexDef.cpp](#)

6.23 ASApi::Invocable Class Reference

#include <Invocable.h> Collaboration diagram for ASApi::Invocable:



Public Types

- typedef [SharedPtr](#)< [Invocable](#) >(* [Creator](#))()

Public Member Functions

- virtual void [invoke](#) (const [Space](#) &space, const [Tuple](#) &tuple, const [Tuple](#) &context, [Tuple](#) &result)=0

Static Public Member Functions

- static void [set](#) (const std::string &alias, [Creator](#) creator)
- static void [set](#) (const std::string &alias, [SharedPtr](#)< [Invocable](#) > object)
- static void [remove](#) (const std::string &alias)
- static void [invokeByObject](#) (tibasSpace space, tibasTuple tuple, tibasTuple context, tibasTuple c_result, const char *invocable)
- static void [invokeByCreator](#) (tibasSpace space, tibasTuple tuple, tibasTuple context, tibasTuple c_result, const char *invocable)
- static void [populateAliases](#) (std::vector< std::string > &aliases)

6.23.1 Detailed Description

Definition at line 14 of file Invocable.h.

6.23.2 Member Typedef Documentation

6.23.2.1 `typedef SharedPtr<Invocable>(* ASApi::Invocable::Creator)()`

Definition at line 17 of file Invocable.h.

6.23.3 Member Function Documentation

6.23.3.1 `virtual void ASApi::Invocable::invoke (const Space & space, const Tuple & tuple, const Tuple & context, Tuple & result) [pure virtual]`

6.23.3.2 `void Invocable::invokeByCreator (tibasSpace space, tibasTuple tuple, tibasTuple context, tibasTuple c_result, const char * invocable) [static]`

Definition at line 74 of file Invocable.cpp.

6.23.3.3 `void Invocable::invokeByObject (tibasSpace space, tibasTuple tuple, tibasTuple context, tibasTuple c_result, const char * invocable) [static]`

Definition at line 55 of file Invocable.cpp.

6.23.3.4 `void Invocable::populateAliases (std::vector< std::string > & aliases) [static]`

Definition at line 42 of file Invocable.cpp.

6.23.3.5 `void Invocable::remove (const std::string & alias) [static]`

Definition at line 33 of file Invocable.cpp.

6.23.3.6 `void Invocable::set (const std::string & alias, SharedPtr< Invocable > object) [static]`

Definition at line 23 of file Invocable.cpp.

6.23.3.7 `void Invocable::set (const std::string & alias, Creator creator)` `[static]`

Definition at line 13 of file `Invocable.cpp`.

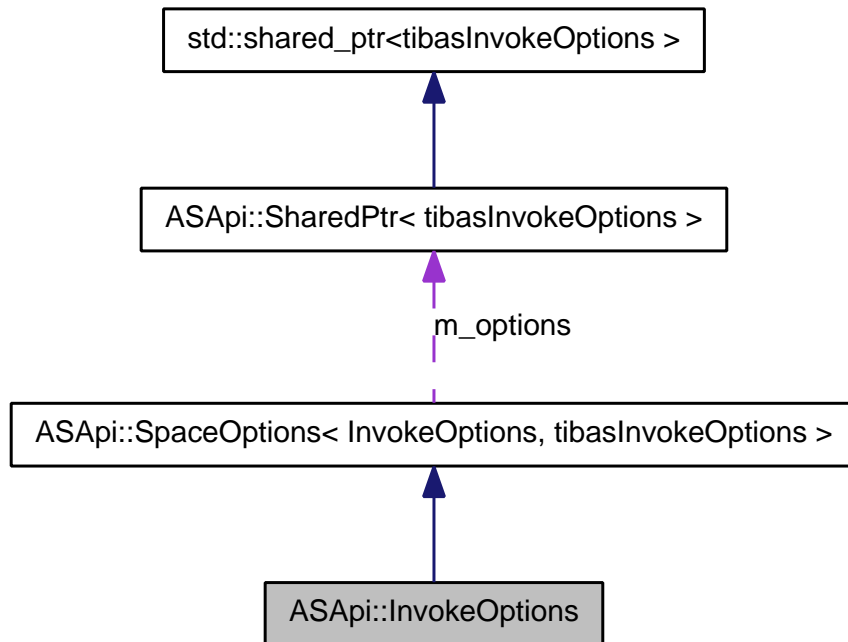
The documentation for this class was generated from the following files:

- [Invocable.h](#)
- [Invocable.cpp](#)

6.24 ASApi::InvokeOptions Class Reference

```
#include <InvokeOptions.h>
```

Inherits [SpaceOptions< InvokeOptions, tibasInvokeOptions >](#). Collaboration diagram for ASApi::InvokeOptions:



Public Member Functions

- [InvokeOptions](#) ()
- [InvokeOptions](#) & [setContext](#) (const [Tuple](#) &context)

6.24.1 Detailed Description

Definition at line 11 of file `InvokeOptions.h`.

6.24.2 Constructor & Destructor Documentation

6.24.2.1 InvokeOptions::InvokeOptions ()

Definition at line 10 of file `InvokeOptions.cpp`.

6.24.3 Member Function Documentation

6.24.3.1 InvokeOptions & InvokeOptions::setContext (const Tuple & *context*)

Definition at line 17 of file InvokeOptions.cpp.

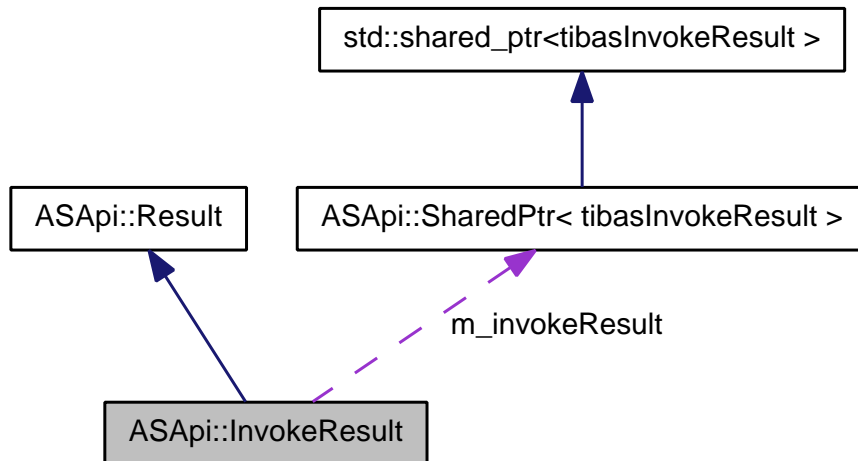
The documentation for this class was generated from the following files:

- [InvokeOptions.h](#)
- [InvokeOptions.cpp](#)

6.25 ASApi::InvokeResult Class Reference

```
#include <InvokeResult.h>
```

Inherits [ASApi::Result](#). Collaboration diagram for ASApi::InvokeResult:



Public Member Functions

- [InvokeResult](#) ([SharedPtr](#)< [tibasInvokeResult](#) > &invokeResult)
- [InvokeResult](#) ([tibasInvokeResult](#) &invokeResult)
- [~InvokeResult](#) ()
- const [tibasInvokeResult](#) & [get](#) () const
- [tibasInvokeResult](#) & [get](#) ()
- bool [hasError](#) () const
- [Exception](#) [getError](#) () const
- [Status](#) [getStatus](#) () const
- [Tuple](#) [getReturn](#) () const
- [Member](#) [getMember](#) () const

6.25.1 Detailed Description

Definition at line 14 of file [InvokeResult.h](#).

6.25.2 Constructor & Destructor Documentation

6.25.2.1 [InvokeResult::InvokeResult](#) ([SharedPtr](#)< [tibasInvokeResult](#) > & [invokeResult](#))

Definition at line 7 of file [InvokeResult.cpp](#).

6.25.2.2 `InvokeResult::InvokeResult (tibasInvokeResult & invokeResult)`

Definition at line 14 of file `InvokeResult.cpp`.

6.25.2.3 `InvokeResult::~~InvokeResult ()`

Definition at line 20 of file `InvokeResult.cpp`.

6.25.3 Member Function Documentation

6.25.3.1 `tibasInvokeResult & InvokeResult::get ()`

Definition at line 32 of file `InvokeResult.cpp`.

6.25.3.2 `const tibasInvokeResult & InvokeResult::get () const`

Definition at line 26 of file `InvokeResult.cpp`.

6.25.3.3 Exception `InvokeResult::getError () const` `[virtual]`

Implements [ASApi::Result](#).

Definition at line 62 of file `InvokeResult.cpp`.

6.25.3.4 Member `InvokeResult::getMember () const`

Definition at line 78 of file `InvokeResult.cpp`.

6.25.3.5 Tuple `InvokeResult::getReturn () const`

Definition at line 70 of file `InvokeResult.cpp`.

6.25.3.6 Status `InvokeResult::getStatus () const` `[virtual]`

Implements [ASApi::Result](#).

Definition at line 54 of file `InvokeResult.cpp`.

6.25.3.7 `bool InvokeResult::hasError () const` `[virtual]`

Implements [ASApi::Result](#).

Definition at line 38 of file `InvokeResult.cpp`.

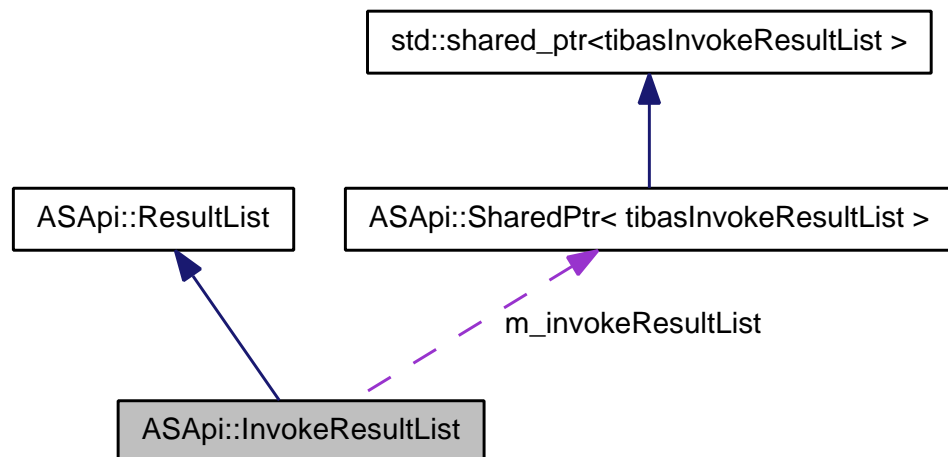
The documentation for this class was generated from the following files:

- [InvokeResult.h](#)
- [InvokeResult.cpp](#)

6.26 ASApi::InvokeResultList Class Reference

```
#include <InvokeResultList.h>
```

Inherits [ASApi::ResultList](#). Collaboration diagram for ASApi::InvokeResultList:



Public Member Functions

- [InvokeResultList](#) (const [SharedPtr](#)< [tibasInvokeResultList](#) > &invokeResultList)
- [~InvokeResultList](#) ()
- bool [hasError](#) () const
- [Exception](#) [getError](#) (int index) const
- [Status](#) [getStatus](#) (int index) const
- [Tuple](#) [getReturn](#) (int index) const
- int [size](#) () const
- void [getReturns](#) (std::vector< [Tuple](#) > &tuples) const
- [InvokeResult](#) [get](#) (int index) const
- void [put](#) (const [InvokeResult](#) &result) const

6.26.1 Detailed Description

Definition at line 14 of file `InvokeResultList.h`.

6.26.2 Constructor & Destructor Documentation

6.26.2.1 [InvokeResultList::InvokeResultList](#) (const [SharedPtr](#)< [tibasInvokeResultList](#) > & *invokeResultList*) [[explicit](#)]

Definition at line 8 of file `InvokeResultList.cpp`.

6.26.2.2 InvokeResultList::~~InvokeResultList ()

Definition at line 15 of file InvokeResultList.cpp.

6.26.3 Member Function Documentation

6.26.3.1 InvokeResult InvokeResultList::get (int *index*) const

Definition at line 85 of file InvokeResultList.cpp.

6.26.3.2 Exception InvokeResultList::getError (int *index*) const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 35 of file InvokeResultList.cpp.

6.26.3.3 Tuple InvokeResultList::getReturn (int *index*) const

Definition at line 51 of file InvokeResultList.cpp.

6.26.3.4 void InvokeResultList::getReturns (std::vector< Tuple > & *tuples*) const

Definition at line 67 of file InvokeResultList.cpp.

6.26.3.5 Status InvokeResultList::getStatus (int *index*) const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 43 of file InvokeResultList.cpp.

6.26.3.6 bool InvokeResultList::hasError () const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 21 of file InvokeResultList.cpp.

6.26.3.7 void InvokeResultList::put (const InvokeResult & *result*) const

Definition at line 93 of file InvokeResultList.cpp.

6.26.3.8 int InvokeResultList::size () const [virtual]

Implements [ASApi::ResultList](#).

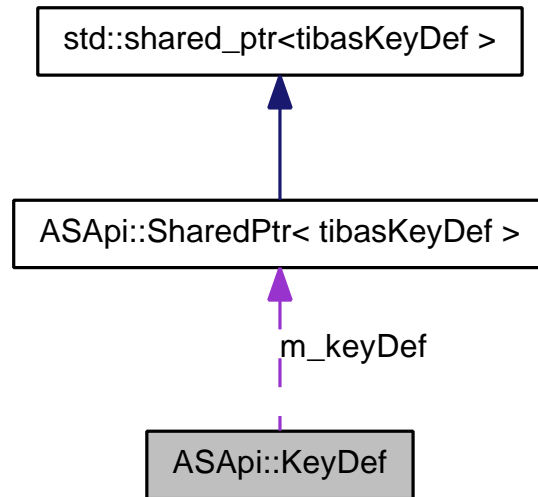
Definition at line 59 of file InvokeResultList.cpp.

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

- [InvokeResultList.h](#)
- [InvokeResultList.cpp](#)

6.27 ASApi::KeyDef Class Reference

#include <KeyDef.h> Collaboration diagram for ASApi::KeyDef:



Public Member Functions

- [KeyDef](#) ()
- [KeyDef](#) (const std::vector< std::string > &fieldNames)
- [KeyDef](#) (const std::string &fieldNames)
- [~KeyDef](#) ()
- const tibasKeyDef & [get](#) () const
- tibasKeyDef & [get](#) ()
- [IndexType](#) [getIndexType](#) () const
- [KeyDef](#) & [setIndexType](#) (const [IndexType](#) &indexType)
- const std::vector< std::string > [getFieldNames](#) () const
- [KeyDef](#) & [setFieldNames](#) (const std::vector< std::string > &fieldNames)
- [KeyDef](#) & [setFieldNames](#) (const std::string &fieldNames)
- [KeyDef](#) & [setFieldNames](#) (int numFields,...)

Static Public Member Functions

- static [KeyDef](#) [create](#) ()

6.27.1 Detailed Description

Definition at line 14 of file KeyDef.h.

6.27.2 Constructor & Destructor Documentation

6.27.2.1 KeyDef::KeyDef ()

Definition at line 10 of file KeyDef.cpp.

6.27.2.2 KeyDef::KeyDef (const std::vector< std::string > &fieldNames)

Definition at line 17 of file KeyDef.cpp.

6.27.2.3 KeyDef::KeyDef (const std::string &fieldNames)

Definition at line 27 of file KeyDef.cpp.

6.27.2.4 KeyDef::~KeyDef ()

Definition at line 35 of file KeyDef.cpp.

6.27.3 Member Function Documentation

6.27.3.1 KeyDef KeyDef::create () [static]

Definition at line 41 of file KeyDef.cpp.

6.27.3.2 tibasKeyDef & KeyDef::get ()

Definition at line 54 of file KeyDef.cpp.

6.27.3.3 const tibasKeyDef & KeyDef::get () const

Definition at line 48 of file KeyDef.cpp.

6.27.3.4 const vector< string > KeyDef::getFieldNames () const

Definition at line 104 of file KeyDef.cpp.

6.27.3.5 IndexType KeyDef::getIndexType () const

Definition at line 66 of file KeyDef.cpp.

6.27.3.6 KeyDef & KeyDef::setFieldNames (int numFields, ...)

Definition at line 81 of file KeyDef.cpp.

6.27.3.7 KeyDef & KeyDef::setFieldNames (const std::string & *fieldNames*)

Definition at line 97 of file KeyDef.cpp.

6.27.3.8 KeyDef & KeyDef::setFieldNames (const std::vector< std::string > & *fieldNames*)

Definition at line 74 of file KeyDef.cpp.

6.27.3.9 KeyDef & KeyDef::setIndexType (const IndexType & *indexType*)

Definition at line 60 of file KeyDef.cpp.

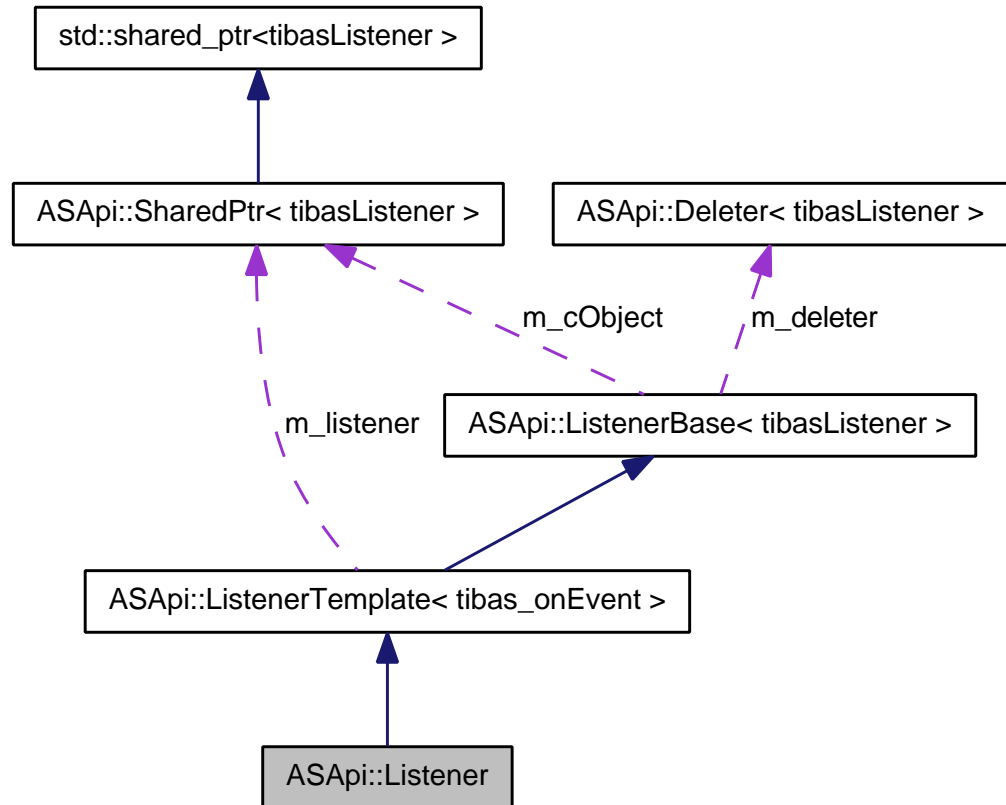
The documentation for this class was generated from the following files:

- [KeyDef.h](#)
- [KeyDef.cpp](#)

6.28 ASApi::Listener Class Reference

```
#include <Listener.h>
```

Inherits [ListenerTemplate< tibas_onEvent >](#). Collaboration diagram for AS-Api::Listener:



Public Member Functions

- [Listener](#) ()
- virtual [~Listener](#) ()
- virtual void [onPut](#) (const [PutEvent](#) &putEvent)
- virtual void [onTake](#) (const [TakeEvent](#) &takeEvent)
- virtual void [onExpire](#) (const [ExpireEvent](#) &expireEvent)
- virtual void [onSeed](#) (const [SeedEvent](#) &seedEvent)
- virtual void [onUnseed](#) (const [UnseedEvent](#) &[UnseedEvent](#))
- virtual void [onEvict](#) (const [EvictEvent](#) &evictEvent)

Static Public Member Functions

- static void [onEvent](#) (tibasSpaceEvent event, void *closure)

6.28.1 Detailed Description

Definition at line 17 of file Listener.h.

6.28.2 Constructor & Destructor Documentation

6.28.2.1 Listener::Listener ()

Definition at line 7 of file Listener.cpp.

6.28.2.2 Listener::~Listener () [virtual]

Definition at line 14 of file Listener.cpp.

6.28.3 Member Function Documentation

6.28.3.1 void Listener::onEvent (tibasSpaceEvent *event*, void * *closure*) [static]

Definition at line 20 of file Listener.cpp.

6.28.3.2 virtual void ASApi::Listener::onEvict (const EvictEvent & *evictEvent*) [inline, virtual]

Definition at line 31 of file Listener.h.

6.28.3.3 virtual void ASApi::Listener::onExpire (const ExpireEvent & *expireEvent*) [inline, virtual]

Definition at line 28 of file Listener.h.

6.28.3.4 virtual void ASApi::Listener::onPut (const PutEvent & *putEvent*) [inline, virtual]

Definition at line 26 of file Listener.h.

6.28.3.5 virtual void ASApi::Listener::onSeed (const SeedEvent & *seedEvent*) [inline, virtual]

Definition at line 29 of file Listener.h.

**6.28.3.6 virtual void ASApi::Listener::onTake (const TakeEvent & *takeEvent*)
[inline, virtual]**

Definition at line 27 of file Listener.h.

**6.28.3.7 virtual void ASApi::Listener::onUnseed (const UnseedEvent &
UnseedEvent) [inline, virtual]**

Definition at line 30 of file Listener.h.

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

- [Listener.h](#)
- [Listener.cpp](#)

6.29 ASApi::ListenerBase< T > Class Template Reference

```
#include <ListenerBase.h>
```

Public Member Functions

- virtual [~ListenerBase](#) ()
- const T & [get](#) () const
- T & [get](#) ()
- void [start](#) ()
- void [stop](#) ()

Protected Types

- typedef [Status](#)(* [ListenerFree](#))(T *listener)

Protected Member Functions

- [ListenerBase](#) ([ListenerFree](#) deleter)
- virtual void [create](#) ()=0

Protected Attributes

- [SharedPtr](#)< T > [m_cObject](#)
- [Deleter](#)< T > [m_deleter](#)

6.29.1 Detailed Description

```
template<typename T> class ASApi::ListenerBase< T >
```

Definition at line 13 of file ListenerBase.h.

6.29.2 Member Typedef Documentation

6.29.2.1 `template<typename T> typedef Status(* ASApi::ListenerBase< T >::ListenerFree)(T *listener) [protected]`

Definition at line 25 of file ListenerBase.h.

6.29.3 Constructor & Destructor Documentation

6.29.3.1 `template<typename T> virtual ASApi::ListenerBase< T
>::~~ListenerBase () [inline, virtual]`

Definition at line 16 of file ListenerBase.h.

6.29.3.2 `template<typename T > ASApi::ListenerBase< T >::~ListenerBase
(ListenerFree deleter) [inline, protected]`

Definition at line 36 of file ListenerBase.h.

6.29.4 Member Function Documentation

6.29.4.1 `template<typename T> virtual void ASApi::ListenerBase< T
>::create () [protected, pure virtual]`

Implemented in [ASApi::ListenerTemplate< T >](#), [ASApi::Persister](#), [ASApi::Router](#), [ASApi::SpaceDefListener](#), [ASApi::ListenerTemplate< tibas_onRemoteMemberEvent >](#), [ASApi::ListenerTemplate< tibas_onSpaceRemoteMemberEvent >](#), [ASApi::ListenerTemplate< tibas_onSpaceStateChange >](#), [ASApi::ListenerTemplate< tibas_onSpaceMemberEvent >](#), [ASApi::ListenerTemplate< tibas_onMemberEvent >](#), and [ASApi::ListenerTemplate< tibas_onEvent >](#).

6.29.4.2 `template<typename T > T & ASApi::ListenerBase< T >::get ()
[inline]`

Definition at line 55 of file ListenerBase.h.

6.29.4.3 `template<typename T > const T & ASApi::ListenerBase< T >::get ()
const [inline]`

Definition at line 44 of file ListenerBase.h.

6.29.4.4 `template<typename T > void ASApi::ListenerBase< T >::start ()
[inline]`

Definition at line 66 of file ListenerBase.h.

6.29.4.5 `template<typename T > void ASApi::ListenerBase< T >::stop ()
[inline]`

Definition at line 77 of file ListenerBase.h.

6.29.5 Member Data Documentation

6.29.5.1 `template<typename T> SharedPtr<T> ASApi::ListenerBase< T >::m_cObject` `[protected]`

Definition at line 30 of file ListenerBase.h.

6.29.5.2 `template<typename T> Deleter<T> ASApi::ListenerBase< T >::m_deleter` `[protected]`

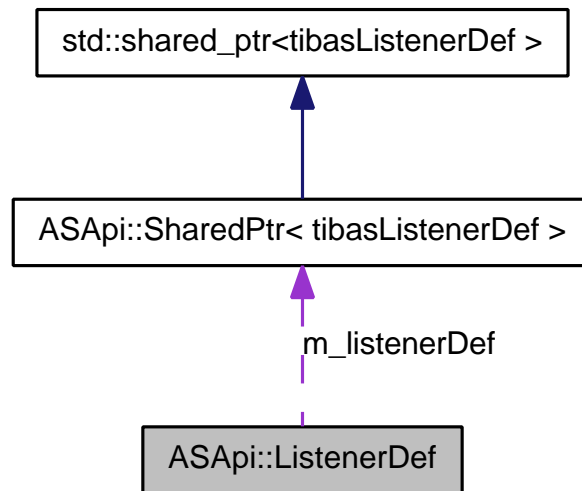
Definition at line 31 of file ListenerBase.h.

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

- [ListenerBase.h](#)

6.30 ASApi::ListenerDef Class Reference

#include <ListenerDef.h> Collaboration diagram for ASApi::ListenerDef:



Public Member Functions

- [ListenerDef \(\)](#)
- [~ListenerDef \(\)](#)
- `const tibasListenerDef & get \(\) const`
- `DistributionScope getDistributionScope \(\) const`
- `ListenerDef & setDistributionScope (DistributionScope distributionScope)`
- `TimeScope getTimeScope \(\) const`
- `ListenerDef & setTimeScope (TimeScope timeScope)`
- `long long getQueryLimit \(\) const`
- `ListenerDef & setQueryLimit (long long limit)`

6.30.1 Detailed Description

Definition at line 11 of file `ListenerDef.h`.

6.30.2 Constructor & Destructor Documentation

6.30.2.1 ListenerDef::ListenerDef ()

Definition at line 8 of file `ListenerDef.cpp`.

6.30.2.2 ListenerDef::~~ListenerDef ()

Definition at line 15 of file ListenerDef.cpp.

6.30.3 Member Function Documentation

6.30.3.1 const tibasListenerDef & ListenerDef::get () const

Definition at line 21 of file ListenerDef.cpp.

6.30.3.2 DistributionScope ListenerDef::getDistributionScope () const

Definition at line 27 of file ListenerDef.cpp.

6.30.3.3 long long ListenerDef::getQueryLimit () const

Definition at line 57 of file ListenerDef.cpp.

6.30.3.4 TimeScope ListenerDef::getTimeScope () const

Definition at line 42 of file ListenerDef.cpp.

6.30.3.5 ListenerDef & ListenerDef::setDistributionScope (DistributionScope *distributionScope*)

Definition at line 35 of file ListenerDef.cpp.

6.30.3.6 ListenerDef & ListenerDef::setQueryLimit (long long *limit*)

Definition at line 65 of file ListenerDef.cpp.

6.30.3.7 ListenerDef & ListenerDef::setTimeScope (TimeScope *timeScope*)

Definition at line 50 of file ListenerDef.cpp.

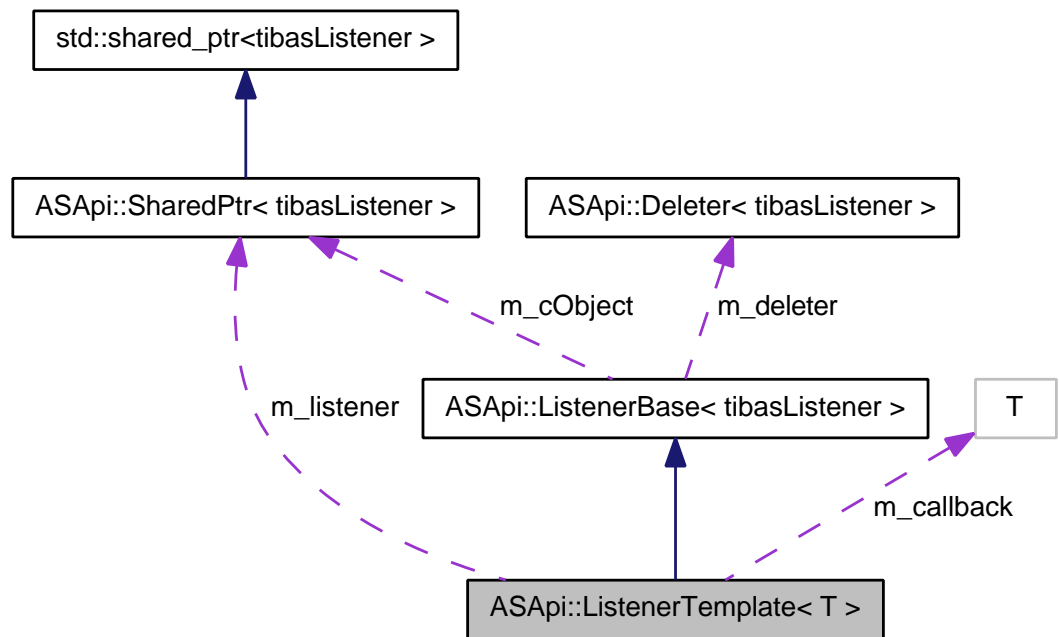
The documentation for this class was generated from the following files:

- [ListenerDef.h](#)
- [ListenerDef.cpp](#)

6.31 ASApi::ListenerTemplate< T > Class Template Reference

```
#include <ListenerTemplate.h>
```

Inherits [ListenerBase< tibasListener >](#). Collaboration diagram for ASApi::ListenerTemplate< T >:



Public Member Functions

- virtual [~ListenerTemplate](#) ()
- virtual void [create](#) ()

Protected Member Functions

- [ListenerTemplate](#) (Creator creator, T callback)

Protected Attributes

- [SharedPtr< tibasListener >](#) [m_listener](#)
- Creator [m_creator](#)
- T [m_callback](#)

6.31.1 Detailed Description

template<typename T> class ASApi::ListenerTemplate< T >

Definition at line 10 of file ListenerTemplate.h.

6.31.2 Constructor & Destructor Documentation

6.31.2.1 template<typename T> virtual ASApi::ListenerTemplate< T >::~~ListenerTemplate () [inline, virtual]

Definition at line 15 of file ListenerTemplate.h.

6.31.2.2 template<typename T> ASApi::ListenerTemplate< T >::~ListenerTemplate (Creator *creator*, T *callback*) [inline, protected]

Definition at line 29 of file ListenerTemplate.h.

6.31.3 Member Function Documentation

6.31.3.1 template<typename T > void ASApi::ListenerTemplate< T >::create () [inline, virtual]

Implements [ASApi::ListenerBase< tibasListener >](#).

Definition at line 39 of file ListenerTemplate.h.

6.31.4 Member Data Documentation

6.31.4.1 template<typename T> T ASApi::ListenerTemplate< T >::m_callback [protected]

Definition at line 24 of file ListenerTemplate.h.

6.31.4.2 template<typename T> Creator ASApi::ListenerTemplate< T >::m_creator [protected]

Definition at line 23 of file ListenerTemplate.h.

6.31.4.3 template<typename T> SharedPtr< tibasListener > ASApi::ListenerTemplate< T >::m_listener [protected]

Definition at line 22 of file ListenerTemplate.h.

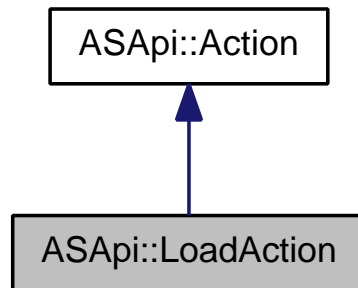
The documentation for this class was generated from the following file:

- [ListenerTemplate.h](#)

6.32 ASApi::LoadAction Class Reference

```
#include <LoadAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::LoadAction:



Public Member Functions

- [LoadAction](#) (const tibasAction &action)

6.32.1 Detailed Description

Definition at line 9 of file LoadAction.h.

6.32.2 Constructor & Destructor Documentation

6.32.2.1 LoadAction::LoadAction (const tibasAction & *action*)

Definition at line 6 of file LoadAction.cpp.

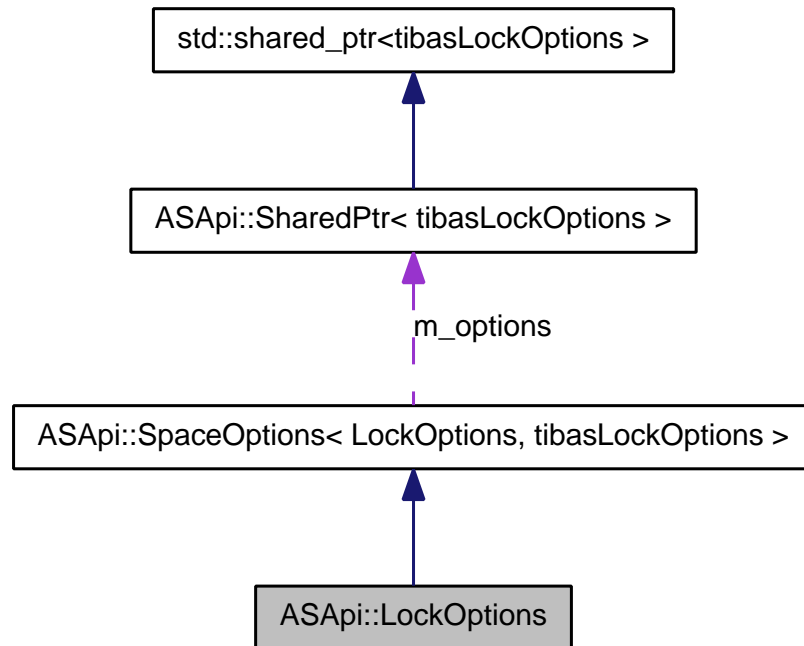
The documentation for this class was generated from the following files:

- [LoadAction.h](#)
- [LoadAction.cpp](#)

6.33 ASApi::LockOptions Class Reference

```
#include <LockOptions.h>
```

Inherits [SpaceOptions< LockOptions, tibasLockOptions >](#). Collaboration diagram for ASApi::LockOptions:



Public Member Functions

- [LockOptions](#) ()
- [LockOptions](#) & [setLockWait](#) (long long wait)
- long long [getLockWait](#) () const
- [LockOptions](#) & [setUnlock](#) (bool doLock)
- bool [isUnlock](#) () const
- [LockOptions](#) & [setForget](#) (bool doForget)
- bool [isForget](#) () const

6.33.1 Detailed Description

Definition at line 10 of file LockOptions.h.

6.33.2 Constructor & Destructor Documentation

6.33.2.1 LockOptions::LockOptions ()

Definition at line 10 of file LockOptions.cpp.

6.33.3 Member Function Documentation

6.33.3.1 long long LockOptions::getLockWait () const

Definition at line 24 of file LockOptions.cpp.

6.33.3.2 bool LockOptions::isForget () const

Definition at line 36 of file LockOptions.cpp.

6.33.3.3 bool ASApi::LockOptions::isUnlock () const

6.33.3.4 LockOptions & LockOptions::setForget (bool *doForget*)

Definition at line 29 of file LockOptions.cpp.

6.33.3.5 LockOptions & LockOptions::setLockWait (long long *wait*)

Definition at line 17 of file LockOptions.cpp.

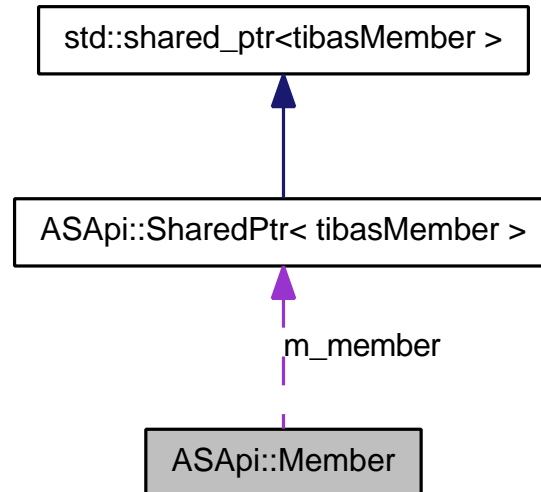
6.33.3.6 LockOptions& ASApi::LockOptions::setUnlock (bool *doLock*)

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

- [LockOptions.h](#)
- [LockOptions.cpp](#)

6.34 ASApi::Member Class Reference

#include <Member.h> Collaboration diagram for ASApi::Member:



Public Member Functions

- [Member](#) (const [Metaspace](#) &metaspace, const std::string &memberId, const std::string &memberName)
- [Member](#) ([SharedPtr](#)< [tibasMember](#) > &member)
- [~Member](#) ()
- const [tibasMember](#) & [get](#) () const
- [tibasMember](#) & [get](#) ()
- std::string [getName](#) () const
- [ManagementRole](#) [getManagementRole](#) () const
- [DistributionRole](#) [getDistributionRole](#) (const std::string &spaceName) const
- [Tuple](#) [getContext](#) () const
- std::string [getHostAddress](#) () const
- int [getPort](#) () const
- time_t [getJoinTime](#) () const
- std::string [getId](#) () const
- std::vector< [Member](#) > [getProxies](#) () const

6.34.1 Detailed Description

Definition at line 16 of file Member.h.

6.34.2 Constructor & Destructor Documentation

6.34.2.1 Member::Member (const Metaspace & *metaspace*, const std::string & *memberId*, const std::string & *memberName*)

Definition at line 11 of file Member.cpp.

6.34.2.2 Member::Member (SharedPtr< tibasMember > & *member*)

Definition at line 18 of file Member.cpp.

6.34.2.3 Member::~~Member ()

Definition at line 24 of file Member.cpp.

6.34.3 Member Function Documentation

6.34.3.1 tibasMember & Member::get ()

Definition at line 36 of file Member.cpp.

6.34.3.2 const tibasMember & Member::get () const

Definition at line 30 of file Member.cpp.

6.34.3.3 Tuple Member::getContext () const

Definition at line 67 of file Member.cpp.

6.34.3.4 DistributionRole Member::getDistributionRole (const std::string & *spaceName*) const

Definition at line 58 of file Member.cpp.

6.34.3.5 string Member::getHostAddress () const

Definition at line 75 of file Member.cpp.

6.34.3.6 string Member::getId () const

Definition at line 99 of file Member.cpp.

6.34.3.7 time_t Member::getJoinTime () const

Definition at line 91 of file Member.cpp.

6.34.3.8 ManagementRole Member::getManagementRole () const

Definition at line 50 of file Member.cpp.

6.34.3.9 string Member::getName () const

Definition at line 42 of file Member.cpp.

6.34.3.10 int Member::getPort () const

Definition at line 83 of file Member.cpp.

6.34.3.11 vector< Member > Member::getProxies () const

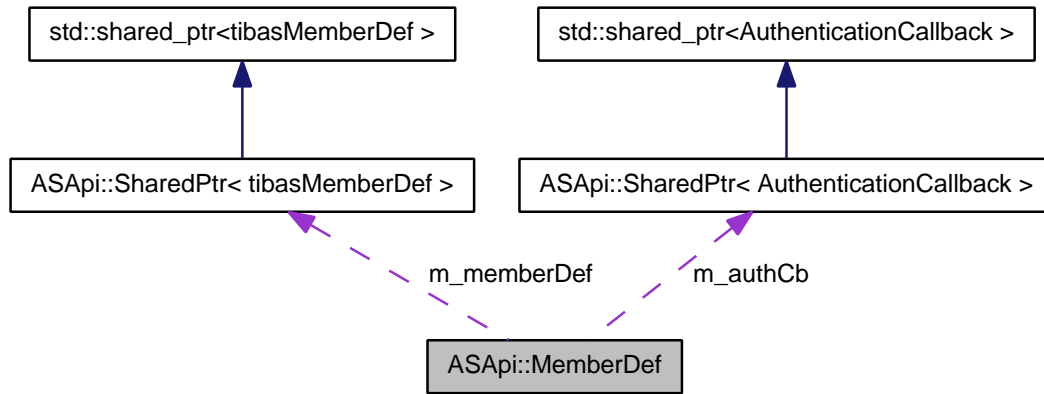
Definition at line 107 of file Member.cpp.

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

- [Member.h](#)
- [Member.cpp](#)

6.35 ASApi::MemberDef Class Reference

#include <MemberDef.h> Collaboration diagram for ASApi::MemberDef:



Public Member Functions

- [MemberDef](#) ()
- [~MemberDef](#) ()
- const [MemberDef](#) & [operator=](#) ([SharedPtr](#)< tibasMemberDef > &memberDef)
- const tibasMemberDef & [get](#) () const
- tibasMemberDef & [get](#) ()
- [MemberDef](#) & [setMemberName](#) (const std::string &name)
- std::string [getMemberName](#) () const
- [MemberDef](#) & [setDataStore](#) (const std::string &dataStor)
- std::string [getDataStore](#) () const
- [MemberDef](#) & [setRxBufferSize](#) (long long bufferSize)
- long long [getRxBufferSize](#) () const
- [MemberDef](#) & [setWorkerThreadCount](#) (int count)
- int [getWorkerThreadCount](#) () const
- [MemberDef](#) & [setTransportThreadCount](#) (int count)
- int [getTransportThreadCount](#) () const
- [MemberDef](#) & [setConnectTimeout](#) (long long timeout)
- long long [getConnectTimeout](#) () const
- [MemberDef](#) & [setMemberTimeout](#) (long long timeout)
- long long [getMemberTimeout](#) () const
- [MemberDef](#) & [setClientTimeout](#) (long long timeout)
- long long [getClientTimeout](#) () const
- [MemberDef](#) & [setClusterSuspendThreshold](#) (int threshold)
- int [getClusterSuspendThreshold](#) () const
- [MemberDef](#) & [setListen](#) (const std::string &listen)
- std::string [getListen](#) () const
- [MemberDef](#) & [setRemoteListen](#) (const std::string &remoteListen)

- `std::string getRemoteListen () const`
- `MemberDef & setDiscovery (const std::string &discovery)`
- `std::string getDiscovery () const`
- `MemberDef & setRemoteDiscovery (const std::string &discovery)`
- `std::string getRemoteDiscovery () const`
- `MemberDef & setContext (const Tuple &context)`
- `Tuple getContext () const`
- `MemberDef & setSecurityPolicyFile (const std::string &fileName)`
- `std::string getSecurityPolicyFile () const`
- `MemberDef & setSecurityTokenFile (const std::string &fileName)`
- `std::string getSecurityTokenFile () const`
- `MemberDef & setIdentityPassword (const std::string &identityPassword)`
- `std::string getIdentityPassword () const`
- `MemberDef & setAuthenticationCallback (SharedPtr< AuthenticationCallback > &authCb)`
- `const SharedPtr< AuthenticationCallback > & getAuthenticationCallback () const`

6.35.1 Detailed Description

Definition at line 12 of file MemberDef.h.

6.35.2 Constructor & Destructor Documentation

6.35.2.1 MemberDef::MemberDef ()

Definition at line 10 of file MemberDef.cpp.

6.35.2.2 MemberDef::~MemberDef ()

Definition at line 17 of file MemberDef.cpp.

6.35.3 Member Function Documentation

6.35.3.1 tibasMemberDef & MemberDef::get ()

Definition at line 36 of file MemberDef.cpp.

6.35.3.2 const tibasMemberDef & MemberDef::get () const

Definition at line 30 of file MemberDef.cpp.

6.35.3.3 const SharedPtr< AuthenticationCallback > & MemberDef::getAuthenticationCallback () const

Definition at line 260 of file MemberDef.cpp.

6.35.3.4 long long MemberDef::getClientTimeout () const

Definition at line 288 of file MemberDef.cpp.

6.35.3.5 int MemberDef::getClusterSuspendThreshold () const

Definition at line 303 of file MemberDef.cpp.

6.35.3.6 long long MemberDef::getConnectTimeout () const

Definition at line 124 of file MemberDef.cpp.

6.35.3.7 Tuple MemberDef::getContext () const

Definition at line 199 of file MemberDef.cpp.

6.35.3.8 string MemberDef::getDataStore () const

Definition at line 64 of file MemberDef.cpp.

6.35.3.9 string MemberDef::getDiscovery () const

Definition at line 169 of file MemberDef.cpp.

6.35.3.10 string MemberDef::getIdentityPassword () const

Definition at line 244 of file MemberDef.cpp.

6.35.3.11 string MemberDef::getListen () const

Definition at line 139 of file MemberDef.cpp.

6.35.3.12 string MemberDef::getMemberName () const

Definition at line 49 of file MemberDef.cpp.

6.35.3.13 long long MemberDef::getMemberTimeout () const

Definition at line 273 of file MemberDef.cpp.

6.35.3.14 string MemberDef::getRemoteDiscovery () const

Definition at line 184 of file MemberDef.cpp.

6.35.3.15 string MemberDef::getRemoteListen () const

Definition at line 154 of file MemberDef.cpp.

6.35.3.16 long long MemberDef::getRxBufferSize () const

Definition at line 79 of file MemberDef.cpp.

6.35.3.17 string MemberDef::getSecurityPolicyFile () const

Definition at line 214 of file MemberDef.cpp.

6.35.3.18 string MemberDef::getSecurityTokenFile () const

Definition at line 229 of file MemberDef.cpp.

6.35.3.19 int MemberDef::getTransportThreadCount () const

Definition at line 109 of file MemberDef.cpp.

6.35.3.20 int MemberDef::getWorkerThreadCount () const

Definition at line 94 of file MemberDef.cpp.

6.35.3.21 const MemberDef & MemberDef::operator= (SharedPtr< tibasMemberDef > & *memberDef*)

Definition at line 23 of file MemberDef.cpp.

6.35.3.22 MemberDef & MemberDef::setAuthenticationCallback (SharedPtr< AuthenticationCallback > & *authCb*)

Definition at line 252 of file MemberDef.cpp.

6.35.3.23 MemberDef & MemberDef::setClientTimeout (long long *timeout*)

Definition at line 281 of file MemberDef.cpp.

6.35.3.24 MemberDef & MemberDef::setClusterSuspendThreshold (int *threshold*)

Definition at line 296 of file MemberDef.cpp.

6.35.3.25 MemberDef & MemberDef::setConnectTimeout (long long *timeout*)

Definition at line 117 of file MemberDef.cpp.

6.35.3.26 MemberDef & MemberDef::setContext (const Tuple & *context*)

Definition at line 192 of file MemberDef.cpp.

6.35.3.27 MemberDef & MemberDef::setDataStore (const std::string & *dataStor*)

Definition at line 57 of file MemberDef.cpp.

6.35.3.28 MemberDef & MemberDef::setDiscovery (const std::string & *discovery*)

Definition at line 162 of file MemberDef.cpp.

6.35.3.29 MemberDef & MemberDef::setIdentityPassword (const std::string & *identityPassword*)

Definition at line 237 of file MemberDef.cpp.

6.35.3.30 MemberDef & MemberDef::setListen (const std::string & *listen*)

Definition at line 132 of file MemberDef.cpp.

6.35.3.31 MemberDef & MemberDef::setMemberName (const std::string & *name*)

Definition at line 42 of file MemberDef.cpp.

6.35.3.32 MemberDef & MemberDef::setMemberTimeout (long long *timeout*)

Definition at line 266 of file MemberDef.cpp.

6.35.3.33 MemberDef & MemberDef::setRemoteDiscovery (const std::string & *discovery*)

Definition at line 177 of file MemberDef.cpp.

6.35.3.34 MemberDef & MemberDef::setRemoteListen (const std::string & *remoteListen*)

Definition at line 147 of file MemberDef.cpp.

6.35.3.35 MemberDef & MemberDef::setRxBufferSize (long long *bufferSize*)

Definition at line 72 of file MemberDef.cpp.

6.35.3.36 MemberDef & MemberDef::setSecurityPolicyFile (const std::string & *fileName*)

Definition at line 207 of file MemberDef.cpp.

6.35.3.37 MemberDef & MemberDef::setSecurityTokenFile (const std::string & *fileName*)

Definition at line 222 of file MemberDef.cpp.

6.35.3.38 MemberDef & MemberDef::setTransportThreadCount (int *count*)

Definition at line 102 of file MemberDef.cpp.

6.35.3.39 MemberDef & MemberDef::setWorkerThreadCount (int *count*)

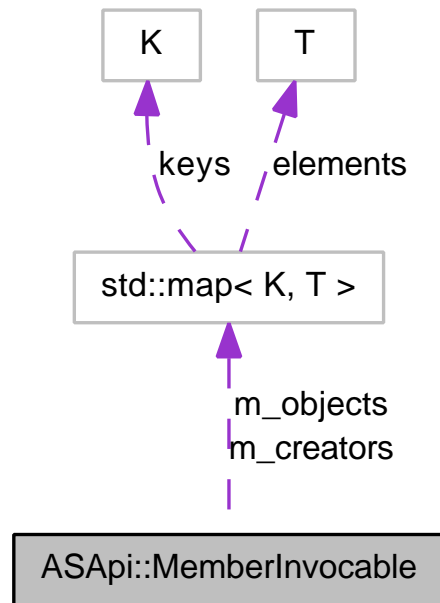
Definition at line 87 of file MemberDef.cpp.

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

- [MemberDef.h](#)
- [MemberDef.cpp](#)

6.36 ASApi::MemberInvocable Class Reference

#include <MemberInvocable.h> Collaboration diagram for AS-Api::MemberInvocable:



Public Types

- typedef [SharedPtr](#)< [MemberInvocable](#) >(* [Creator](#))()

Public Member Functions

- virtual void [invoke](#) (const [Space](#) &space, const [Tuple](#) &context, [Tuple](#) &result)=0

Static Public Member Functions

- static void [set](#) (const std::string &alias, [Creator](#) creator)
- static void [set](#) (const std::string &alias, [SharedPtr](#)< [MemberInvocable](#) > object)
- static void [remove](#) (const std::string &alias)
- static void [invokeByObject](#) (tibasSpace space, tibasTuple context, tibasTuple c_result, const char *invocable)
- static void [invokeByCreator](#) (tibasSpace space, tibasTuple context, tibasTuple c_result, const char *invocable)
- static void [populateAliases](#) (std::vector< std::string > &aliases)

6.36.1 Detailed Description

Definition at line 13 of file MemberInvocable.h.

6.36.2 Member Typedef Documentation

6.36.2.1 `typedef SharedPtr<MemberInvocable>(* ASApi::MemberInvocable::Creator)()`

Definition at line 16 of file MemberInvocable.h.

6.36.3 Member Function Documentation

6.36.3.1 `virtual void ASApi::MemberInvocable::invoke (const Space & space, const Tuple & context, Tuple & result) [pure virtual]`

6.36.3.2 `void MemberInvocable::invokeByCreator (tibasSpace space, tibasTuple context, tibasTuple c_result, const char * invocable) [static]`

Definition at line 74 of file MemberInvocable.cpp.

6.36.3.3 `void MemberInvocable::invokeByObject (tibasSpace space, tibasTuple context, tibasTuple c_result, const char * invocable) [static]`

Definition at line 55 of file MemberInvocable.cpp.

6.36.3.4 `void MemberInvocable::populateAliases (std::vector< std::string > & aliases) [static]`

Definition at line 42 of file MemberInvocable.cpp.

6.36.3.5 `void MemberInvocable::remove (const std::string & alias) [static]`

Definition at line 33 of file MemberInvocable.cpp.

6.36.3.6 `void MemberInvocable::set (const std::string & alias, SharedPtr< MemberInvocable > object) [static]`

Definition at line 23 of file MemberInvocable.cpp.

6.36.3.7 void MemberInvocable::set (const std::string & *alias*, Creator *creator*) [static]

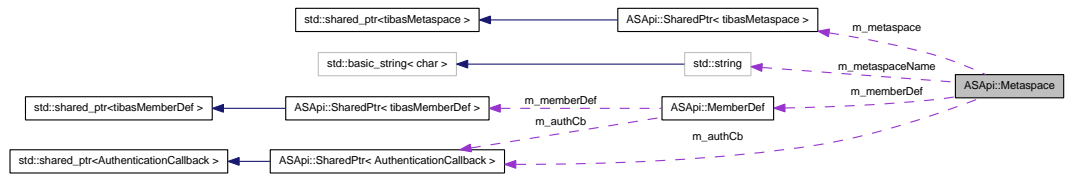
Definition at line 13 of file MemberInvocable.cpp.

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

- [MemberInvocable.h](#)
- [MemberInvocable.cpp](#)

6.37 ASApi::Metaspace Class Reference

#include <Metaspace.h> Collaboration diagram for ASApi::Metaspace:



Public Member Functions

- [Metaspace](#) ()
- [Metaspace](#) ([SharedPtr](#)< [tibasMetaspace](#) > &metaspace)
- [Metaspace](#) ([tibasMetaspace](#) &metaspace)
- [~Metaspace](#) ()
- const [tibasMetaspace](#) & [get](#) () const
- [tibasMetaspace](#) & [get](#) ()
- void [closeAll](#) ()
- [std::vector](#)< [std::string](#) > [getMetaspaceNames](#) () const
- [Space](#) [getSpace](#) (const [std::string](#) &spaceName, const [DistributionRole](#) &distributionRole) const
- [Space](#) [getSystemSpace](#) (const [std::string](#) &spaceName) const
- [SpaceState](#) [getSpaceState](#) (const [std::string](#) &spaceName) const
- [std::vector](#)< [std::string](#) > [getUserSpaceNames](#) () const
- void [defineSpace](#) (const [SpaceDef](#) &spaceDef) const
- void [dropSpace](#) (const [std::string](#) &spaceName) const
- void [alterSpace](#) (const [SpaceDef](#) &spaceDef) const
- void [recoverSpace](#) (const [std::string](#) &spaceName) const
- void [recoverSpace](#) (const [std::string](#) &spaceName, const [RecoveryOptions](#) &recoveryOptions) const
- [SpaceDef](#) [getSpaceDef](#) (const [std::string](#) &spaceName) const
- void [listen](#) (const [std::string](#) &spaceName, [Listener](#) &listener, const [ListenerDef](#) &listenerDef, const [std::string](#) &filter)
- void [listenSpaceMemberEvents](#) (const [std::string](#) &spaceName, [SpaceMemberListener](#) &listener)
- void [listenMemberEvents](#) ([MetaspaceMemberListener](#) &listener)
- void [listenSpaceRemoteMemberEvents](#) (const [std::string](#) &spaceName, [SpaceRemoteMemberListener](#) &listener)
- void [listenRemoteMemberEvents](#) ([MetaspaceRemoteMemberListener](#) &listener)
- void [listenSpaceState](#) (const [std::string](#) &spaceName, [SpaceStateListener](#) &listener)
- void [listenSpaceDefs](#) ([SpaceDefListener](#) &listener)
- [std::string](#) [getRemoteListen](#) () const

- [Browser browse](#) (const std::string &spaceName, const [BrowserType](#) &browserType, const [BrowserDef](#) &browserDef, const std::string &filter) const
- [EventBrowser browseEvents](#) (const std::string &spaceName, const [EventBrowserDef](#) &eventBrowserDef, const std::string &filter)
- void [beginTransaction](#) ()
- void [commitTransaction](#) ()
- void [rollbackTransaction](#) ()
- std::vector< [Member](#) > [getRemoteMembers](#) () const
- std::vector< [Member](#) > [getMembers](#) () const
- std::vector< [Member](#) > [getSpaceMembers](#) (const std::string &spaceName) const
- [Member](#) [getSelfMember](#) () const
- std::string [getDiscovery](#) () const
- std::string [getListen](#) () const
- std::string [getRemoteDiscovery](#) () const
- const [MemberDef](#) & [getMemberDef](#) () const
- [Metaspace](#) & [setMemberDef](#) (const [MemberDef](#) &memberDef)

Static Public Member Functions

- static [Metaspace connect](#) (const std::string &msName, const [MemberDef](#) &memberDef)
- static [Metaspace connect](#) (const std::string &args)
- static [Metaspace connect](#) (int numArgs,...)

6.37.1 Detailed Description

Definition at line 31 of file Metaspace.h.

6.37.2 Constructor & Destructor Documentation

6.37.2.1 Metaspace::Metaspace ()

Definition at line 10 of file Metaspace.cpp.

6.37.2.2 Metaspace::Metaspace (SharedPtr< [tibasMetaspace](#) > & *metaspace*)

Definition at line 16 of file Metaspace.cpp.

6.37.2.3 Metaspace::Metaspace ([tibasMetaspace](#) & *metaspace*)

Definition at line 22 of file Metaspace.cpp.

6.37.2.4 Metaspace::~~Metaspace ()

Definition at line 30 of file Metaspace.cpp.

6.37.3 Member Function Documentation**6.37.3.1 void Metaspace::alterSpace (const SpaceDef & *spaceDef*) const**

Definition at line 159 of file Metaspace.cpp.

6.37.3.2 void Metaspace::beginTransaction ()

Definition at line 258 of file Metaspace.cpp.

6.37.3.3 Browser Metaspace::browse (const std::string & *spaceName*, const BrowserType & *browserType*, const BrowserDef & *browserDef*, const std::string & *filter*) const

Definition at line 242 of file Metaspace.cpp.

6.37.3.4 EventBrowser Metaspace::browseEvents (const std::string & *spaceName*, const EventBrowserDef & *eventBrowserDef*, const std::string & *filter*)

Definition at line 250 of file Metaspace.cpp.

6.37.3.5 void Metaspace::closeAll ()

Definition at line 92 of file Metaspace.cpp.

6.37.3.6 void Metaspace::commitTransaction ()

Definition at line 264 of file Metaspace.cpp.

6.37.3.7 Metaspace Metaspace::connect (int *numArgs*, ...) [static]

Definition at line 75 of file Metaspace.cpp.

6.37.3.8 Metaspace Metaspace::connect (const std::string & *args*) [static]

Definition at line 66 of file Metaspace.cpp.

6.37.3.9 Metaspace Metaspace::connect (const std::string & *msName*, const MemberDef & *memberDef*) [static]

Definition at line 48 of file Metaspace.cpp.

6.37.3.10 void Metaspace::defineSpace (const SpaceDef & *spaceDef*) const

Definition at line 146 of file Metaspace.cpp.

6.37.3.11 void Metaspace::dropSpace (const std::string & *spaceName*) const

Definition at line 153 of file Metaspace.cpp.

6.37.3.12 tibasMetaspace & Metaspace::get ()

Definition at line 42 of file Metaspace.cpp.

6.37.3.13 const tibasMetaspace & Metaspace::get () const

Definition at line 36 of file Metaspace.cpp.

6.37.3.14 string Metaspace::getDiscovery () const

Definition at line 308 of file Metaspace.cpp.

6.37.3.15 string Metaspace::getListen () const

Definition at line 316 of file Metaspace.cpp.

6.37.3.16 const MemberDef & Metaspace::getMemberDef () const

Definition at line 332 of file Metaspace.cpp.

6.37.3.17 vector< Member > Metaspace::getMembers () const

Definition at line 284 of file Metaspace.cpp.

6.37.3.18 vector< string > Metaspace::getMetaspaceNames () const

Definition at line 106 of file Metaspace.cpp.

6.37.3.19 string Metaspace::getRemoteDiscovery () const

Definition at line 324 of file Metaspace.cpp.

6.37.3.20 string Metaspace::getRemoteListen () const

Definition at line 234 of file Metaspace.cpp.

6.37.3.21 vector< Member > Metaspace::getRemoteMembers () const

Definition at line 276 of file Metaspace.cpp.

6.37.3.22 Member Metaspace::getSelfMember () const

Definition at line 300 of file Metaspace.cpp.

6.37.3.23 Space Metaspace::getSpace (const std::string & *spaceName*, const DistributionRole & *distributionRole*) const

Definition at line 114 of file Metaspace.cpp.

6.37.3.24 SpaceDef Metaspace::getSpaceDef (const std::string & *spaceName*) const

Definition at line 177 of file Metaspace.cpp.

6.37.3.25 vector< Member > Metaspace::getSpaceMembers (const std::string & *spaceName*) const

Definition at line 292 of file Metaspace.cpp.

6.37.3.26 SpaceState Metaspace::getSpaceState (const std::string & *spaceName*) const

Definition at line 130 of file Metaspace.cpp.

6.37.3.27 Space Metaspace::getSystemSpace (const std::string & *spaceName*) const

Definition at line 122 of file Metaspace.cpp.

6.37.3.28 vector< string > Metaspace::getUserSpaceNames () const

Definition at line 138 of file Metaspace.cpp.

6.37.3.29 void Metaspace::listen (const std::string & *spaceName*, Listener & *listener*, const ListenerDef & *listenerDef*, const std::string & *filter*)

Definition at line 185 of file Metaspace.cpp.

6.37.3.30 void Metaspace::listenMemberEvents (MetaspaceMemberListener & *listener*)

Definition at line 199 of file Metaspace.cpp.

6.37.3.31 void Metaspace::listenRemoteMemberEvents (MetaspaceRemoteMemberListener & *listener*)

Definition at line 213 of file Metaspace.cpp.

6.37.3.32 void Metaspace::listenSpaceDefs (SpaceDefListener & *listener*)

Definition at line 227 of file Metaspace.cpp.

6.37.3.33 void Metaspace::listenSpaceMemberEvents (const std::string & *spaceName*, SpaceMemberListener & *listener*)

Definition at line 192 of file Metaspace.cpp.

6.37.3.34 void Metaspace::listenSpaceRemoteMemberEvents (const std::string & *spaceName*, SpaceRemoteMemberListener & *listener*)

Definition at line 206 of file Metaspace.cpp.

6.37.3.35 void Metaspace::listenSpaceState (const std::string & *spaceName*, SpaceStateListener & *listener*)

Definition at line 220 of file Metaspace.cpp.

6.37.3.36 void Metaspace::recoverSpace (const std::string & *spaceName*, const RecoveryOptions & *recoveryOptions*) const

Definition at line 171 of file Metaspace.cpp.

6.37.3.37 void Metaspace::recoverSpace (const std::string & *spaceName*) const

Definition at line 165 of file Metaspace.cpp.

6.37.3.38 void Metaspace::rollbackTransaction ()

Definition at line 270 of file Metaspace.cpp.

**6.37.3.39 Metaspace& ASApi::Metaspace::setMemberDef (const MemberDef
& *memberDef*)**

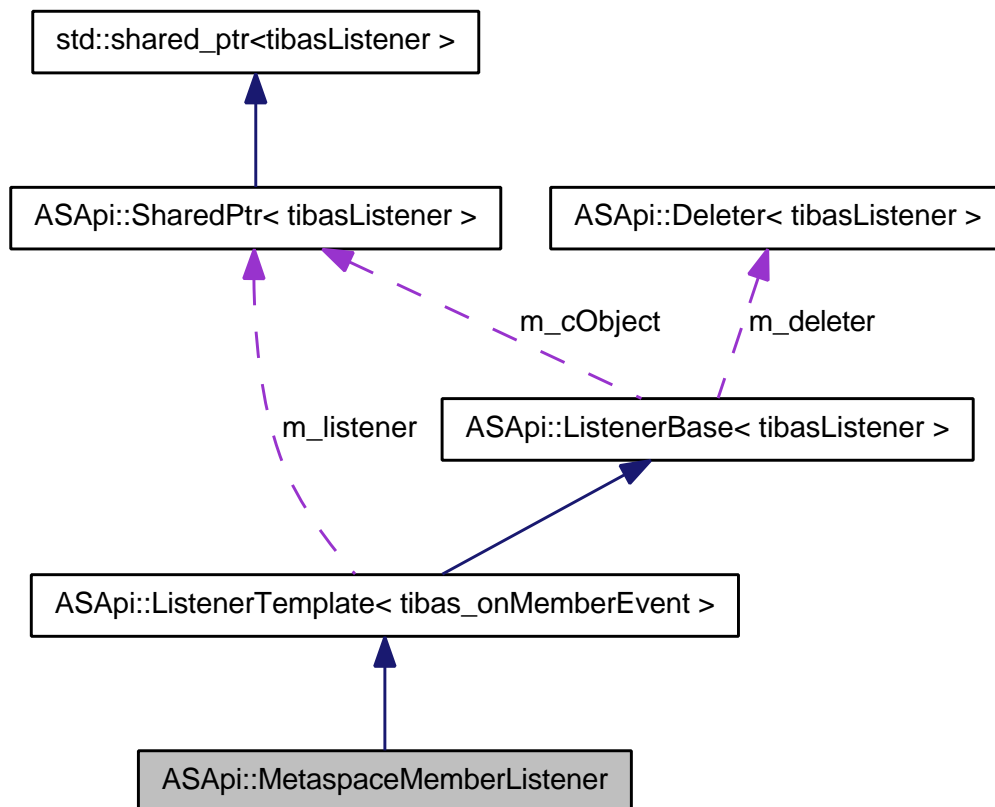
The documentation for this class was generated from the following files:

- [Metaspace.h](#)
- [Metaspace.cpp](#)

6.38 ASApi::MetaspaceMemberListener Class Reference

```
#include <MetaspaceMemberListener.h>
```

Inherits [ListenerTemplate< tibas_onMemberEvent >](#). Collaboration diagram for AS-Api::MetaspaceMemberListener:



Public Member Functions

- [MetaspaceMemberListener](#) ()
- virtual [~MetaspaceMemberListener](#) ()
- virtual void [onJoin](#) (const [Member](#) &member, [ManagementRole](#) role)
- virtual void [onUpdate](#) (const [Member](#) &member, [ManagementRole](#) role)
- virtual void [onLeave](#) (const [Member](#) &member)

Static Public Member Functions

- static void [onEvent](#) (tibasMemberEvent memberEvent, void *closure)

6.38.1 Detailed Description

Definition at line 14 of file MetaspaceMemberListener.h.

6.38.2 Constructor & Destructor Documentation

6.38.2.1 MetaspaceMemberListener::MetaspaceMemberListener ()

Definition at line 8 of file MetaspaceMemberListener.cpp.

6.38.2.2 MetaspaceMemberListener::~MetaspaceMemberListener () [virtual]

Definition at line 15 of file MetaspaceMemberListener.cpp.

6.38.3 Member Function Documentation

6.38.3.1 void MetaspaceMemberListener::onEvent (tibasMemberEvent *memberEvent*, void * *closure*) [static]

Definition at line 21 of file MetaspaceMemberListener.cpp.

6.38.3.2 virtual void ASApi::MetaspaceMemberListener::onJoin (const Member & *member*, ManagementRole *role*) [inline, virtual]

Definition at line 22 of file MetaspaceMemberListener.h.

6.38.3.3 virtual void ASApi::MetaspaceMemberListener::onLeave (const Member & *member*) [inline, virtual]

Definition at line 24 of file MetaspaceMemberListener.h.

6.38.3.4 virtual void ASApi::MetaspaceMemberListener::onUpdate (const Member & *member*, ManagementRole *role*) [inline, virtual]

Definition at line 23 of file MetaspaceMemberListener.h.

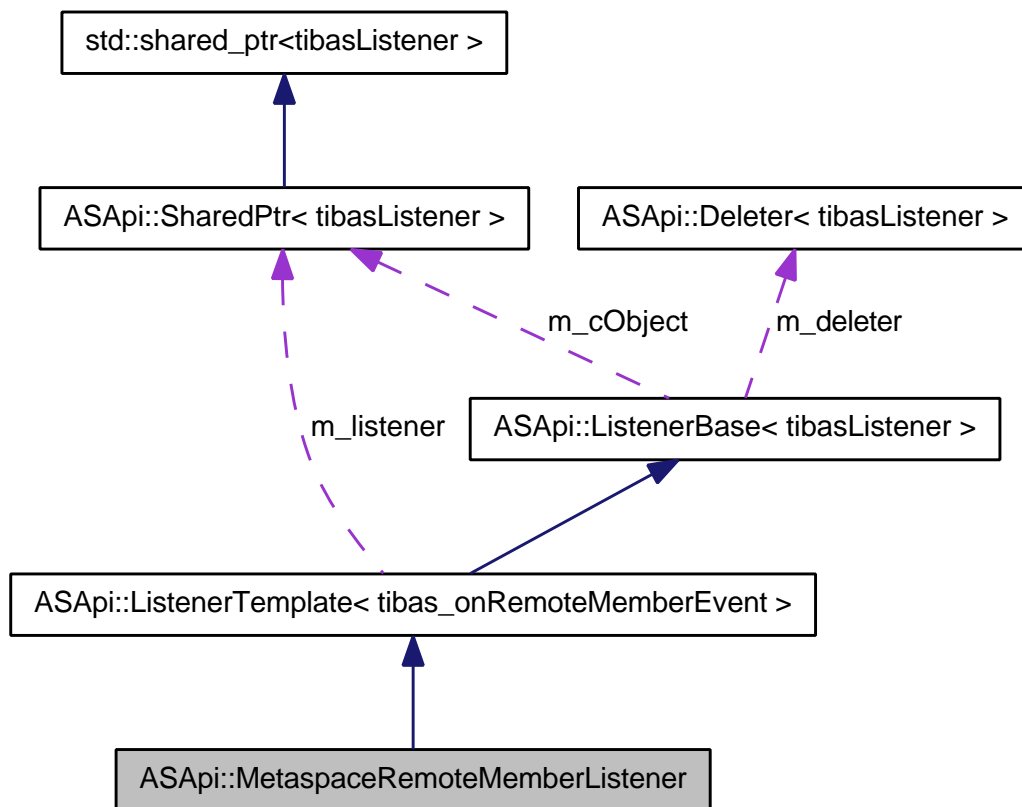
The documentation for this class was generated from the following files:

- [MetaspaceMemberListener.h](#)
- [MetaspaceMemberListener.cpp](#)

6.39 ASApi::MetaspaceRemoteMemberListener Class Reference

```
#include <MetaspaceRemoteMemberListener.h>
```

Inherits [ListenerTemplate< tibas_onRemoteMemberEvent >](#). Collaboration diagram for ASApi::MetaspaceRemoteMemberListener:



Public Member Functions

- [MetaspaceRemoteMemberListener](#) ()
- virtual [~MetaspaceRemoteMemberListener](#) ()
- virtual void [onJoin](#) (const [Member](#) &member, const [Member](#) &proxyMember)
- virtual void [onLeave](#) (const [Member](#) &member, const [Member](#) &proxyMember)

Static Public Member Functions

- static void [onEvent](#) (tibasRemoteMemberEvent remoteMemberEvent, void *closure)

6.39.1 Detailed Description

Definition at line 13 of file MetaspaceRemoteMemberListener.h.

6.39.2 Constructor & Destructor Documentation

6.39.2.1 MetaspaceRemoteMemberListener::MetaspaceRemoteMemberListener() ()

Definition at line 8 of file MetaspaceRemoteMemberListener.cpp.

6.39.2.2 MetaspaceRemoteMemberListener::~MetaspaceRemoteMemberListener() () [virtual]

Definition at line 15 of file MetaspaceRemoteMemberListener.cpp.

6.39.3 Member Function Documentation

6.39.3.1 void MetaspaceRemoteMemberListener::onEvent (tibasRemoteMemberEvent *remoteMemberEvent*, void * *closure*) [static]

Definition at line 20 of file MetaspaceRemoteMemberListener.cpp.

6.39.3.2 virtual void ASApi::MetaspaceRemoteMemberListener::onJoin (const Member & *member*, const Member & *proxyMember*) [inline, virtual]

Definition at line 21 of file MetaspaceRemoteMemberListener.h.

6.39.3.3 virtual void ASApi::MetaspaceRemoteMemberListener::onLeave (const Member & *member*, const Member & *proxyMember*) [inline, virtual]

Definition at line 22 of file MetaspaceRemoteMemberListener.h.

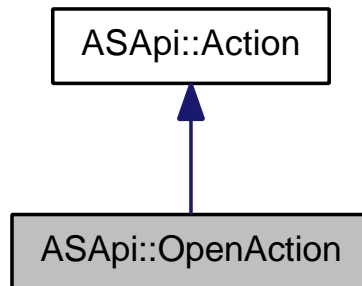
The documentation for this class was generated from the following files:

- [MetaspaceRemoteMemberListener.h](#)
- [MetaspaceRemoteMemberListener.cpp](#)

6.40 ASApi::OpenAction Class Reference

```
#include <OpenAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::OpenAction:



Public Member Functions

- [OpenAction](#) (const tibasAction &action)

6.40.1 Detailed Description

Definition at line 9 of file OpenAction.h.

6.40.2 Constructor & Destructor Documentation

6.40.2.1 OpenAction::OpenAction (const tibasAction & *action*)

Definition at line 6 of file OpenAction.cpp.

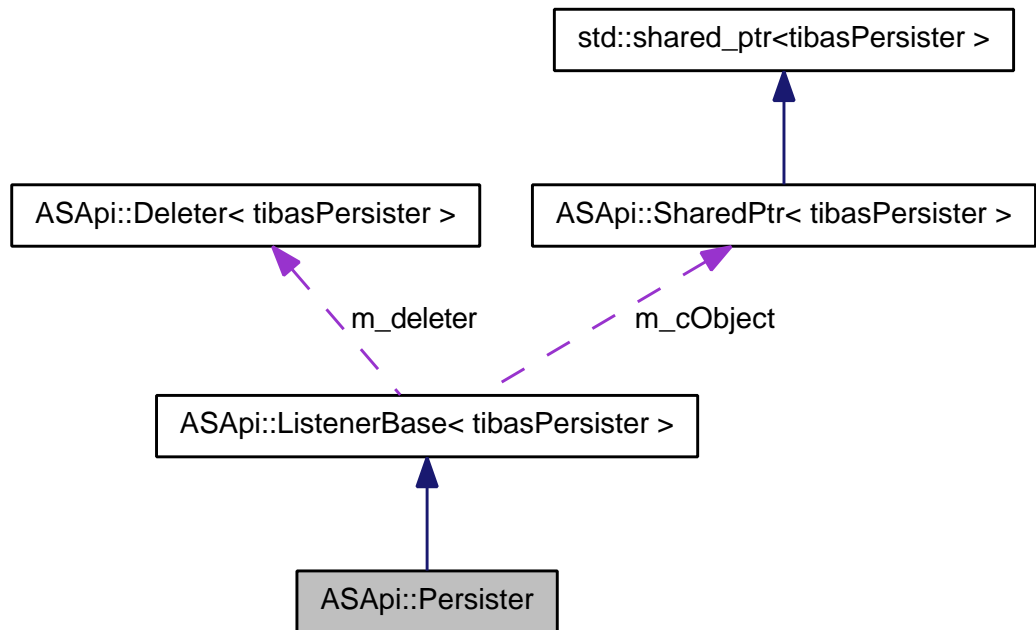
The documentation for this class was generated from the following files:

- [OpenAction.h](#)
- [OpenAction.cpp](#)

6.41 ASApi::Persister Class Reference

```
#include <Persister.h>
```

Inherits [ListenerBase< tibasPersister >](#). Collaboration diagram for ASApi::Persister:



Public Member Functions

- [Persister](#) ()
- virtual [~Persister](#) ()
- void [create](#) ()
- virtual void [onOpen](#) (const [OpenAction](#) &openAction, [ActionResult](#) &actionResult)
- virtual void [onClose](#) (const [CloseAction](#) &closeAction, [ActionResult](#) &actionResult)
- virtual void [onRead](#) (const [ReadAction](#) &readAction, [ActionResult](#) &actionResult)
- virtual void [onWrite](#) (const [WriteAction](#) &writeAction, [ActionResult](#) &actionResult)
- virtual void [onLoad](#) (const [LoadAction](#) &loadAction, [ActionResult](#) &actionResult)
- virtual void [onAlter](#) (const [AlterAction](#) &alterAction, [ActionResult](#) &actionResult)

Static Public Member Functions

- static void [onCOpen](#) (tibasPersister persister, tibasAction action, tibasActionResult result)
- static void [onCClose](#) (tibasPersister persister, tibasAction action, tibasActionResult result)
- static void [onCRead](#) (tibasPersister persister, tibasAction action, tibasActionResult result)
- static void [onCWrite](#) (tibasPersister persister, tibasAction action, tibasActionResult result)
- static void [onCLoad](#) (tibasPersister persister, tibasAction action, tibasActionResult result)
- static void [onCAAlter](#) (tibasPersister persister, tibasAction action, tibasActionResult result)

6.41.1 Detailed Description

Definition at line 20 of file Persister.h.

6.41.2 Constructor & Destructor Documentation

6.41.2.1 Persister::Persister ()

Definition at line 8 of file Persister.cpp.

6.41.2.2 Persister::~~Persister () [virtual]

Definition at line 15 of file Persister.cpp.

6.41.3 Member Function Documentation

6.41.3.1 void Persister::create () [virtual]

Implements [ASApi::ListenerBase< tibasPersister >](#).

Definition at line 21 of file Persister.cpp.

6.41.3.2 virtual void ASApi::Persister::onAlter (const AlterAction & alterAction, ActionResult & actionResult) [inline, virtual]

Definition at line 44 of file Persister.h.

6.41.3.3 void Persister::onCAAlter (tibasPersister *persister*, tibasAction *action*, tibasActionResult *result*) [static]

Definition at line 82 of file Persister.cpp.

6.41.3.4 `void Persister::onCClose (tibasPersister persister, tibasAction action, tibasActionResult result) [static]`

Definition at line 38 of file Persister.cpp.

6.41.3.5 `void Persister::onCLoad (tibasPersister persister, tibasAction action, tibasActionResult result) [static]`

Definition at line 71 of file Persister.cpp.

6.41.3.6 `virtual void ASApi::Persister::onClose (const CloseAction & closeAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 32 of file Persister.h.

6.41.3.7 `void Persister::onCOpen (tibasPersister persister, tibasAction action, tibasActionResult result) [static]`

Definition at line 27 of file Persister.cpp.

6.41.3.8 `void Persister::onCRead (tibasPersister persister, tibasAction action, tibasActionResult result) [static]`

Definition at line 49 of file Persister.cpp.

6.41.3.9 `void Persister::onCWrite (tibasPersister persister, tibasAction action, tibasActionResult result) [static]`

Definition at line 60 of file Persister.cpp.

6.41.3.10 `virtual void ASApi::Persister::onLoad (const LoadAction & loadAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 41 of file Persister.h.

6.41.3.11 `virtual void ASApi::Persister::onOpen (const OpenAction & openAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 29 of file Persister.h.

6.41.3.12 `virtual void ASApi::Persister::onRead (const ReadAction & readAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 35 of file Persister.h.

6.41.3.13 `virtual void ASApi::Persister::onWrite (const WriteAction &
writeAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 38 of file Persister.h.

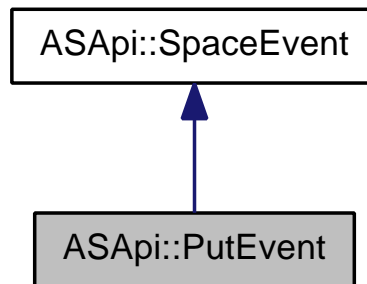
The documentation for this class was generated from the following files:

- [Persister.h](#)
- [Persister.cpp](#)

6.42 ASApi::PutEvent Class Reference

```
#include <PutEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::PutEvent:



Public Member Functions

- [PutEvent](#) (const tibasSpaceEvent &event)
- [~PutEvent](#) ()
- bool [hasOldTuple](#) () const
- [Tuple](#) [getOldTuple](#) () const

6.42.1 Detailed Description

Definition at line 10 of file PutEvent.h.

6.42.2 Constructor & Destructor Documentation

6.42.2.1 PutEvent::PutEvent (const tibasSpaceEvent & event)

Definition at line 9 of file PutEvent.cpp.

6.42.2.2 PutEvent::~~PutEvent ()

Definition at line 15 of file PutEvent.cpp.

6.42.3 Member Function Documentation

6.42.3.1 Tuple PutEvent::getOldTuple () const

Definition at line 35 of file PutEvent.cpp.

6.42.3.2 bool PutEvent::hasOldTuple () const

Definition at line 21 of file PutEvent.cpp.

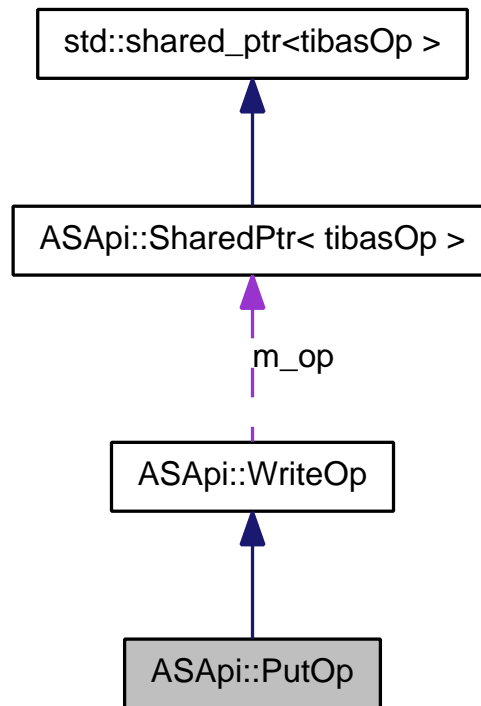
The documentation for this class was generated from the following files:

- [PutEvent.h](#)
- [PutEvent.cpp](#)

6.43 ASApi::PutOp Class Reference

```
#include <PutOp.h>
```

Inherits [ASApi::WriteOp](#). Collaboration diagram for ASApi::PutOp:



Public Member Functions

- [PutOp](#) ([SharedPtr](#)< tibasOp > &op)
- bool [hasOldTuple](#) () const
- [Tuple](#) [getOldTuple](#) () const
- long long [getTTL](#) () const

6.43.1 Detailed Description

Definition at line 9 of file PutOp.h.

6.43.2 Constructor & Destructor Documentation

6.43.2.1 PutOp::PutOp (SharedPtr< tibasOp > & op)

Definition at line 9 of file PutOp.cpp.

6.43.3 Member Function Documentation

6.43.3.1 Tuple PutOp::getOldTuple () const

Definition at line 30 of file PutOp.cpp.

6.43.3.2 long long PutOp::getTTL () const

Definition at line 38 of file PutOp.cpp.

6.43.3.3 bool PutOp::hasOldTuple () const

Definition at line 16 of file PutOp.cpp.

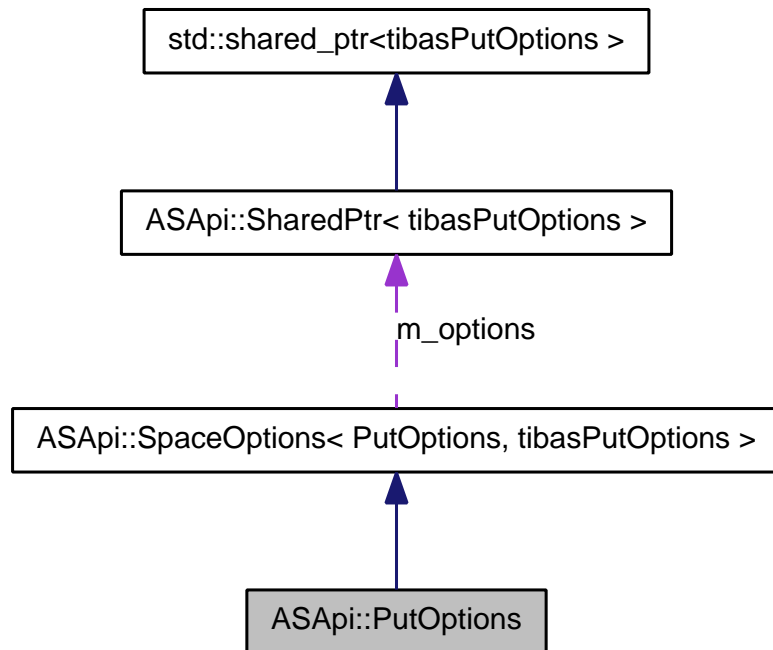
The documentation for this class was generated from the following files:

- [PutOp.h](#)
- [PutOp.cpp](#)

6.44 ASApi::PutOptions Class Reference

```
#include <PutOptions.h>
```

Inherits [SpaceOptions< PutOptions, tibasPutOptions >](#). Collaboration diagram for AS-Api::PutOptions:



Public Member Functions

- [PutOptions](#) ()
- [PutOptions](#) & [setLockWait](#) (long long wait)
- long long [getLockWait](#) () const
- [PutOptions](#) & [setLock](#) (bool doLock)
- bool [isLock](#) () const
- [PutOptions](#) & [setForget](#) (bool doForget)
- bool [isForget](#) () const
- [PutOptions](#) & [setRoute](#) (bool doRoute)
- bool [isRoute](#) () const
- [PutOptions](#) & [setTTL](#) (long long ttl)
- long long [getTTL](#) ()

6.44.1 Detailed Description

Definition at line 10 of file `PutOptions.h`.

6.44.2 Constructor & Destructor Documentation

6.44.2.1 PutOptions::PutOptions ()

Definition at line 10 of file PutOptions.cpp.

6.44.3 Member Function Documentation

6.44.3.1 long long PutOptions::getLockWait () const

Definition at line 24 of file PutOptions.cpp.

6.44.3.2 long long PutOptions::getTTL ()

Definition at line 100 of file PutOptions.cpp.

6.44.3.3 bool PutOptions::isForget () const

Definition at line 58 of file PutOptions.cpp.

6.44.3.4 bool PutOptions::isLock () const

Definition at line 37 of file PutOptions.cpp.

6.44.3.5 bool PutOptions::isRoute () const

Definition at line 79 of file PutOptions.cpp.

6.44.3.6 PutOptions & PutOptions::setForget (bool *doForget*)

Definition at line 51 of file PutOptions.cpp.

6.44.3.7 PutOptions & PutOptions::setLock (bool *doLock*)

Definition at line 30 of file PutOptions.cpp.

6.44.3.8 PutOptions & PutOptions::setLockWait (long long *wait*)

Definition at line 17 of file PutOptions.cpp.

6.44.3.9 PutOptions & PutOptions::setRoute (bool *doRoute*)

Definition at line 72 of file PutOptions.cpp.

6.44.3.10 PutOptions & PutOptions::setTTL (long long *ttl*)

Definition at line 93 of file PutOptions.cpp.

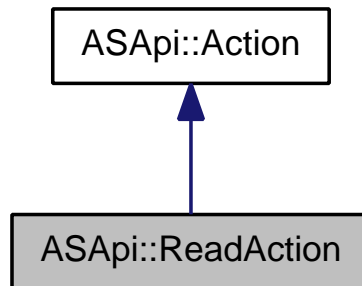
The documentation for this class was generated from the following files:

- [PutOptions.h](#)
- [PutOptions.cpp](#)

6.45 ASApi::ReadAction Class Reference

```
#include <ReadAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::ReadAction:



Public Member Functions

- [ReadAction](#) (const tibasAction &action)
- [Tuple getTuple](#) () const

6.45.1 Detailed Description

Definition at line 10 of file ReadAction.h.

6.45.2 Constructor & Destructor Documentation

6.45.2.1 ReadAction::ReadAction (const tibasAction & *action*)

Definition at line 7 of file ReadAction.cpp.

6.45.3 Member Function Documentation

6.45.3.1 Tuple ReadAction::getTuple () const

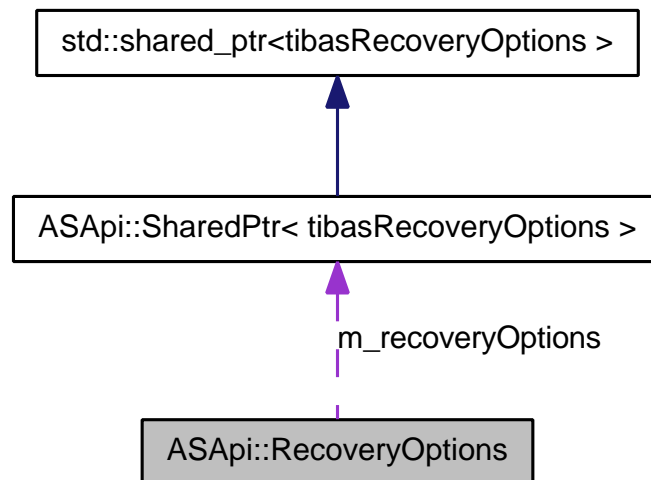
Definition at line 14 of file ReadAction.cpp.

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

- [ReadAction.h](#)
- [ReadAction.cpp](#)

6.46 ASApi::RecoveryOptions Class Reference

`#include <RecoveryOptions.h>` Collaboration diagram for AS-Api::RecoveryOptions:



Public Member Functions

- [RecoveryOptions](#) ()
- `const tibasRecoveryOptions & get () const`
- `tibasRecoveryOptions & get ()`

6.46.1 Detailed Description

Definition at line 11 of file `RecoveryOptions.h`.

6.46.2 Constructor & Destructor Documentation

6.46.2.1 `RecoveryOptions::RecoveryOptions` ()

Definition at line 10 of file `RecoveryOptions.cpp`.

6.46.3 Member Function Documentation

6.46.3.1 `tibasRecoveryOptions & RecoveryOptions::get` ()

Definition at line 21 of file `RecoveryOptions.cpp`.

6.46.3.2 const tibasRecoveryOptions & RecoveryOptions::get () const

Definition at line 15 of file RecoveryOptions.cpp.

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

- [RecoveryOptions.h](#)
- [RecoveryOptions.cpp](#)

6.47 ASApi::Result Class Reference

```
#include <Result.h>
```

Inherited by [ASApi::InvokeResult](#), and [ASApi::SpaceResult](#).

Public Member Functions

- virtual bool [hasError](#) () const =0
- virtual [Status](#) [getStatus](#) () const =0
- virtual [Exception](#) [getError](#) () const =0

6.47.1 Detailed Description

Definition at line 10 of file Result.h.

6.47.2 Member Function Documentation

6.47.2.1 virtual Exception ASApi::Result::getError () const [pure virtual]

Implemented in [ASApi::InvokeResult](#), and [ASApi::SpaceResult](#).

6.47.2.2 virtual Status ASApi::Result::getStatus () const [pure virtual]

Implemented in [ASApi::InvokeResult](#), and [ASApi::SpaceResult](#).

6.47.2.3 virtual bool ASApi::Result::hasError () const [pure virtual]

Implemented in [ASApi::InvokeResult](#), and [ASApi::SpaceResult](#).

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

- [Result.h](#)

6.48 ASApi::ResultList Class Reference

```
#include <ResultList.h>
```

Inherited by [ASApi::InvokeResultList](#), and [ASApi::SpaceResultList](#).

Public Member Functions

- virtual bool [hasError](#) () const =0
- virtual [Exception](#) [getError](#) (int *index*) const =0
- virtual [Status](#) [getStatus](#) (int *index*) const =0
- virtual int [size](#) () const =0

6.48.1 Detailed Description

Definition at line 11 of file ResultList.h.

6.48.2 Member Function Documentation

6.48.2.1 virtual [Exception](#) ASApi::ResultList::getError (int *index*) const
[pure virtual]

Implemented in [ASApi::InvokeResultList](#), and [ASApi::SpaceResultList](#).

6.48.2.2 virtual [Status](#) ASApi::ResultList::getStatus (int *index*) const [pure virtual]

Implemented in [ASApi::InvokeResultList](#), and [ASApi::SpaceResultList](#).

6.48.2.3 virtual bool ASApi::ResultList::hasError () const [pure virtual]

Implemented in [ASApi::InvokeResultList](#), and [ASApi::SpaceResultList](#).

6.48.2.4 virtual int ASApi::ResultList::size () const [pure virtual]

Implemented in [ASApi::InvokeResultList](#), and [ASApi::SpaceResultList](#).

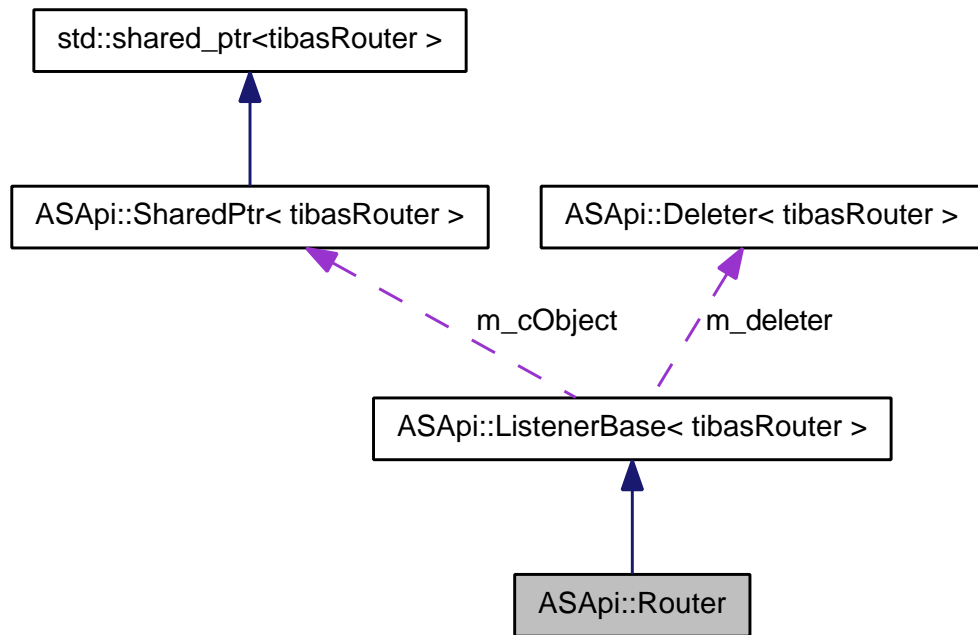
The documentation for this class was generated from the following file:

- [ResultList.h](#)

6.49 ASApi::Router Class Reference

```
#include <Router.h>
```

Inherits [ListenerBase< tibasRouter >](#). Collaboration diagram for ASApi::Router:



Public Member Functions

- [Router](#) ()
- virtual [~Router](#) ()
- virtual void [create](#) ()
- virtual void [onOpen](#) (const [OpenAction](#) &openAction, [ActionResult](#) &actionResult)
- virtual void [onClose](#) (const [CloseAction](#) &closeAction, [ActionResult](#) &actionResult)
- virtual void [onWrite](#) (const [WriteAction](#) &writeAction, [ActionResult](#) &actionResult)
- virtual void [onAlter](#) (const [AlterAction](#) &alterAction, [ActionResult](#) &actionResult)

Static Public Member Functions

- static void [onCOpen](#) (tibasRouter router, tibasAction action, tibasActionResult result)
- static void [onCClose](#) (tibasRouter router, tibasAction action, tibasActionResult result)

- static void [onCWrite](#) (tibasRouter router, tibasAction action, tibasActionResult result)
- static void [onCAlter](#) (tibasRouter router, tibasAction action, tibasActionResult result)

6.49.1 Detailed Description

Definition at line 19 of file Router.h.

6.49.2 Constructor & Destructor Documentation

6.49.2.1 Router::Router ()

Definition at line 8 of file Router.cpp.

6.49.2.2 Router::~~Router () [virtual]

Definition at line 15 of file Router.cpp.

6.49.3 Member Function Documentation

6.49.3.1 void Router::create () [virtual]

Implements [ASApi::ListenerBase< tibasRouter >](#).

Definition at line 21 of file Router.cpp.

6.49.3.2 virtual void ASApi::Router::onAlter (const AlterAction & *alterAction*, ActionResult & *actionResult*) [inline, virtual]

Definition at line 37 of file Router.h.

6.49.3.3 void Router::onCAlter (tibasRouter *router*, tibasAction *action*, tibasActionResult *result*) [static]

Definition at line 60 of file Router.cpp.

6.49.3.4 void Router::onCClose (tibasRouter *router*, tibasAction *action*, tibasActionResult *result*) [static]

Definition at line 38 of file Router.cpp.

6.49.3.5 `virtual void ASApi::Router::onClose (const CloseAction & closeAction,
ActionResult & actionResult) [inline, virtual]`

Definition at line 31 of file Router.h.

6.49.3.6 `void Router::onCOpen (tibasRouter router, tibasAction action,
tibasActionResult result) [static]`

Definition at line 27 of file Router.cpp.

6.49.3.7 `void Router::onCWrite (tibasRouter router, tibasAction action,
tibasActionResult result) [static]`

Definition at line 49 of file Router.cpp.

6.49.3.8 `virtual void ASApi::Router::onOpen (const OpenAction & openAction,
ActionResult & actionResult) [inline, virtual]`

Definition at line 28 of file Router.h.

6.49.3.9 `virtual void ASApi::Router::onWrite (const WriteAction &
writeAction, ActionResult & actionResult) [inline, virtual]`

Definition at line 34 of file Router.h.

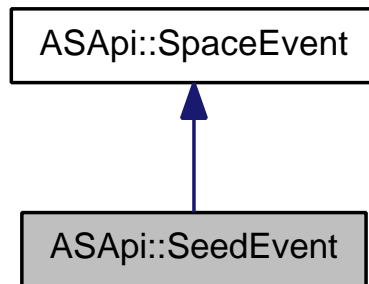
The documentation for this class was generated from the following files:

- [Router.h](#)
- [Router.cpp](#)

6.50 ASApi::SeedEvent Class Reference

```
#include <SeedEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::SeedEvent:



Public Member Functions

- [SeedEvent](#) (const tibasSpaceEvent &event)
- [~SeedEvent](#) ()

6.50.1 Detailed Description

Definition at line 10 of file SeedEvent.h.

6.50.2 Constructor & Destructor Documentation

6.50.2.1 SeedEvent::SeedEvent (const tibasSpaceEvent & *event*)

Definition at line 8 of file SeedEvent.cpp.

6.50.2.2 SeedEvent::~SeedEvent ()

Definition at line 14 of file SeedEvent.cpp.

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

- [SeedEvent.h](#)
- [SeedEvent.cpp](#)

6.51 shared_ptr Class Reference

Inherited by [ASApi::SharedPtr< AuthenticationCallback >](#), [ASApi::SharedPtr< SpaceResultHandler >](#), [ASApi::SharedPtr< tibasAdmin >](#), [ASApi::SharedPtr< tibasBrowser >](#), [ASApi::SharedPtr< tibasBrowserDef >](#), [ASApi::SharedPtr< tibasError >](#), [ASApi::SharedPtr< tibasEventBrowser >](#), [ASApi::SharedPtr< tibasEventBrowserDef >](#), [ASApi::SharedPtr< tibasFieldDef >](#), [ASApi::SharedPtr< tibasFieldDefList >](#), [ASApi::SharedPtr< tibasFilter >](#), [ASApi::SharedPtr< tibasGetOptions >](#), [ASApi::SharedPtr< tibasIndexDef >](#), [ASApi::SharedPtr< tibasInvokeOptions >](#), [ASApi::SharedPtr< tibasInvokeResult >](#), [ASApi::SharedPtr< tibasInvokeResultList >](#), [ASApi::SharedPtr< tibasKeyDef >](#), [ASApi::SharedPtr< tibasListener >](#), [ASApi::SharedPtr< tibasListenerDef >](#), [ASApi::SharedPtr< tibasLockOptions >](#), [ASApi::SharedPtr< tibasMember >](#), [ASApi::SharedPtr< tibasMemberDef >](#), [ASApi::SharedPtr< tibasMetaspace >](#), [ASApi::SharedPtr< tibasOp >](#), [ASApi::SharedPtr< tibasPersister >](#), [ASApi::SharedPtr< tibasPutOptions >](#), [ASApi::SharedPtr< tibasRecoveryOptions >](#), [ASApi::SharedPtr< tibasRouter >](#), [ASApi::SharedPtr< tibasSpace >](#), [ASApi::SharedPtr< tibasSpaceDef >](#), [ASApi::SharedPtr< tibasSpaceResultList >](#), [ASApi::SharedPtr< tibasTakeOptions >](#), [ASApi::SharedPtr< tibasTuple >](#), [ASApi::SharedPtr< tibasType >](#), and [ASApi::SharedPtr< tibasUnlockOptions >](#).

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

- [SharedPtr.h](#)

6.52 ASApi::SharedPtr< T > Class Template Reference

```
#include <SharedPtr.h>
```

Public Member Functions

- [SharedPtr](#) ()
- [SharedPtr](#) (T *ptr, [Deleter](#)< T > deleter)
- [SharedPtr](#) (T *ptr)
- [SharedPtr](#) (const [SharedPtr](#)< T > &other)

6.52.1 Detailed Description

```
template<typename T> class ASApi::SharedPtr< T >
```

Definition at line 168 of file SharedPtr.h.

6.52.2 Constructor & Destructor Documentation

6.52.2.1 `template<typename T> ASApi::SharedPtr< T >::SharedPtr ()
[inline]`

Definition at line 171 of file SharedPtr.h.

6.52.2.2 `template<typename T> ASApi::SharedPtr< T >::SharedPtr (T *ptr,
Deleter< T > deleter) [inline]`

Definition at line 173 of file SharedPtr.h.

6.52.2.3 `template<typename T> ASApi::SharedPtr< T >::SharedPtr (T *ptr)
[inline]`

Definition at line 175 of file SharedPtr.h.

6.52.2.4 `template<typename T> ASApi::SharedPtr< T >::SharedPtr (const
SharedPtr< T > &other) [inline]`

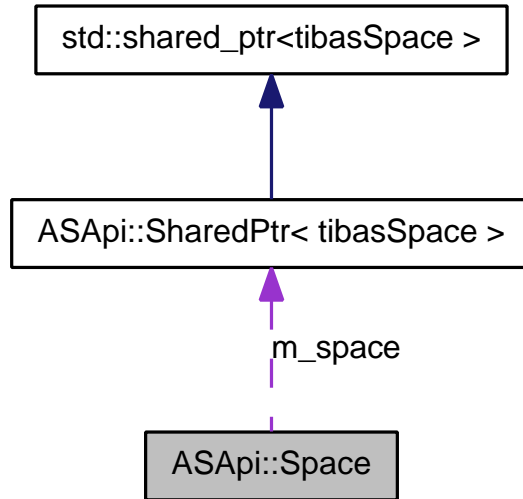
Definition at line 177 of file SharedPtr.h.

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

- [SharedPtr.h](#)

6.53 ASApi::Space Class Reference

#include <Space.h> Collaboration diagram for ASApi::Space:



Public Member Functions

- [Space](#) ([SharedPtr](#)< [tibasSpace](#) > space=[SharedPtr](#)< [tibasSpace](#) >(NULL))
- [Space](#) ([tibasSpace](#) &space)
- [~Space](#) ()
- std::string [getName](#) () const
- bool [isReady](#) () const
- bool [waitForReady](#) (long long timeout) const
- [SpaceState](#) [getState](#) () const
- [Tuple](#) [compareAndPut](#) (const [Tuple](#) &oldValue, const [Tuple](#) &newValue)
- [Tuple](#) [compareAndPut](#) (const [Tuple](#) &oldValue, const [Tuple](#) &newValue, const [PutOptions](#) &putOptions)
- [SpaceResultList](#) [compareAndPutAll](#) (const std::vector< [Tuple](#) > &oldValue, const std::vector< [Tuple](#) > &newValue)
- [SpaceResultList](#) [compareAndPutAll](#) (const std::vector< [Tuple](#) > &oldValue, const std::vector< [Tuple](#) > &newValue, const [PutOptions](#) &putOptions)
- [Tuple](#) [compareAndTake](#) (const [Tuple](#) &oldValue) const
- [Tuple](#) [compareAndTake](#) (const [Tuple](#) &oldValue, const [TakeOptions](#) &takeOptions) const
- [SpaceResultList](#) [compareAndTakeAll](#) (const std::vector< [Tuple](#) > &oldValueList)
- [SpaceResultList](#) [compareAndTakeAll](#) (const std::vector< [Tuple](#) > &oldValueList, const [TakeOptions](#) &takeOptions)
- [Tuple](#) [put](#) (const [Tuple](#) &newValue)
- [Tuple](#) [put](#) (const [Tuple](#) &newValue, const [PutOptions](#) &putOptions)

- [SpaceResultList putAll](#) (const std::vector< [Tuple](#) > &tuples)
- [SpaceResultList putAll](#) (const std::vector< [Tuple](#) > &tuples, const [PutOptions](#) &putOptions)
- [Tuple take](#) (const [Tuple](#) &key) const
- [Tuple take](#) (const [Tuple](#) &key, const [TakeOptions](#) &takeOptions) const
- [SpaceResultList takeAll](#) (const std::vector< [Tuple](#) > &tuples) const
- [SpaceResultList takeAll](#) (const std::vector< [Tuple](#) > &tuples, const [TakeOptions](#) &takeOptions) const
- void [load](#) (const [Tuple](#) &newValue)
- [SpaceResultList loadAll](#) (const std::vector< [Tuple](#) > &valueList)
- [SpaceDef getSpaceDef](#) () const
- std::string [getMetaspaceName](#) () const
- [Metaspace getMetaspace](#) () const
- long long [size](#) (const std::string &filter) const
- long long [size](#) () const
- void [clear](#) (const std::string &filter) const
- void [clear](#) () const
- [Tuple lock](#) (const [Tuple](#) &key) const
- [Tuple lock](#) (const [Tuple](#) &key, const [LockOptions](#) lockOptions)
- [SpaceResultList lockAll](#) (const std::vector< [Tuple](#) > &keyList) const
- [SpaceResultList lockAll](#) (const std::vector< [Tuple](#) > &keyList, const [LockOptions](#) lockOptions) const
- void [unlock](#) (const [Tuple](#) &key) const
- void [unlock](#) (const [Tuple](#) &key, const [UnlockOptions](#) unlockOptions) const
- [SpaceResultList unlock](#) (const std::vector< [Tuple](#) > &keyList) const
- [Browser browse](#) (const [BrowserType](#) &browserType, const [BrowserDef](#) &browserDef, const std::string &filter) const
- [Tuple get](#) (const [Tuple](#) &keyTuple) const
- [Tuple get](#) (const [Tuple](#) &keyTuple, const [GetOptions](#) &getOptions) const
- [SpaceResultList getAll](#) (const std::vector< [Tuple](#) > &keyList) const
- void [listen](#) ([Listener](#) &listener, const [ListenerDef](#) &listenerDef, const std::string &filter)
- [Space & setDistributionRole](#) (const [DistributionRole](#) &distributionRole)
- [InvokeResult invoke](#) (const [Tuple](#) &tuple, const std::string &invocable, const [InvokeOptions](#) &invokeOptions=[InvokeOptions](#)()) const
- [InvokeResult invokeMember](#) (const [Member](#) &member, const std::string &invocable, const [InvokeOptions](#) &invokeOptions=[InvokeOptions](#)()) const
- [InvokeResultList invokeMembers](#) (const std::vector< [Member](#) > &memberList, const std::string &invocable, const [InvokeOptions](#) &invokeOptions=[InvokeOptions](#)()) const
- [InvokeResultList invokeRemoteMembers](#) (const std::string &invocable, const [InvokeOptions](#) &invokeOptions=[InvokeOptions](#)()) const
- [InvokeResultList invokeSeeders](#) (const std::string &invocable, const [InvokeOptions](#) &invokeOptions=[InvokeOptions](#)()) const
- void [setPersister](#) ([Persister](#) &persister)
- void [setRouter](#) ([Router](#) &router)

6.53.1 Detailed Description

Definition at line 29 of file Space.h.

6.53.2 Constructor & Destructor Documentation

6.53.2.1 `Space::Space (SharedPtr< tibasSpace > space = SharedPtr<tibasSpace> (NULL))`

Definition at line 10 of file Space.cpp.

6.53.2.2 `Space::Space (tibasSpace & space)`

Definition at line 17 of file Space.cpp.

6.53.2.3 `Space::~Space ()`

Definition at line 23 of file Space.cpp.

6.53.3 Member Function Documentation

6.53.3.1 `Browser Space::browse (const BrowserType & browserType, const BrowserDef & browserDef, const std::string & filter) const`

Definition at line 409 of file Space.cpp.

6.53.3.2 `void Space::clear () const`

Definition at line 347 of file Space.cpp.

6.53.3.3 `void Space::clear (const std::string & filter) const`

Definition at line 341 of file Space.cpp.

6.53.3.4 `Tuple Space::compareAndPut (const Tuple & oldValue, const Tuple & newValue, const PutOptions & putOptions)`

Definition at line 103 of file Space.cpp.

6.53.3.5 `Tuple Space::compareAndPut (const Tuple & oldValue, const Tuple & newValue)`

Definition at line 85 of file Space.cpp.

6.53.3.6 SpaceResultList Space::compareAndPutAll (const std::vector< Tuple > & *oldValue*, const std::vector< Tuple > & *newValue*, const PutOptions & *putOptions*)

Definition at line 136 of file Space.cpp.

6.53.3.7 SpaceResultList Space::compareAndPutAll (const std::vector< Tuple > & *oldValue*, const std::vector< Tuple > & *newValue*)

Definition at line 124 of file Space.cpp.

6.53.3.8 Tuple Space::compareAndTake (const Tuple & *oldValue*, const TakeOptions & *takeOptions*) const

Definition at line 290 of file Space.cpp.

6.53.3.9 Tuple Space::compareAndTake (const Tuple & *oldValue*) const

Definition at line 271 of file Space.cpp.

6.53.3.10 SpaceResultList Space::compareAndTakeAll (const std::vector< Tuple > & *oldValueList*, const TakeOptions & *takeOptions*)

Definition at line 242 of file Space.cpp.

6.53.3.11 SpaceResultList Space::compareAndTakeAll (const std::vector< Tuple > & *oldValueList*)

Definition at line 230 of file Space.cpp.

6.53.3.12 Tuple Space::get (const Tuple & *keyTuple*, const GetOptions & *getOptions*) const

Definition at line 425 of file Space.cpp.

6.53.3.13 Tuple Space::get (const Tuple & *keyTuple*) const

Definition at line 417 of file Space.cpp.

6.53.3.14 SpaceResultList Space::getAll (const std::vector< Tuple > & *keyList*) const

Definition at line 436 of file Space.cpp.

6.53.3.15 Metaspace Space::getMetaspace () const

Definition at line 317 of file Space.cpp.

6.53.3.16 string Space::getMetaspaceName () const

Definition at line 309 of file Space.cpp.

6.53.3.17 string Space::getName () const

Definition at line 40 of file Space.cpp.

6.53.3.18 SpaceDef Space::getSpaceDef () const

Definition at line 301 of file Space.cpp.

6.53.3.19 SpaceState Space::getState () const

Definition at line 77 of file Space.cpp.

6.53.3.20 InvokeResult Space::invoke (const Tuple & *tuple*, const std::string & *invocable*, const InvokeOptions & *invokeOptions* = InvokeOptions ()) const

Definition at line 459 of file Space.cpp.

6.53.3.21 InvokeResult Space::invokeMember (const Member & *member*, const std::string & *invocable*, const InvokeOptions & *invokeOptions* = InvokeOptions ()) const

Definition at line 468 of file Space.cpp.

6.53.3.22 InvokeResultList Space::invokeMembers (const std::vector< Member > & *memberList*, const std::string & *invocable*, const InvokeOptions & *invokeOptions* = InvokeOptions ()) const

Definition at line 477 of file Space.cpp.

6.53.3.23 InvokeResultList Space::invokeRemoteMembers (const std::string & *invocable*, const InvokeOptions & *invokeOptions* = InvokeOptions ()) const

Definition at line 487 of file Space.cpp.

**6.53.3.24 InvokeResultList Space::invokeSeeders (const std::string & *invocable*,
const InvokeOptions & *invokeOptions* = InvokeOptions ()) const**

Definition at line 496 of file Space.cpp.

6.53.3.25 bool Space::isReady () const

Definition at line 47 of file Space.cpp.

**6.53.3.26 void Space::listen (Listener & *listener*, const ListenerDef &
listenerDef, const std::string & *filter*)**

Definition at line 445 of file Space.cpp.

6.53.3.27 void Space::load (const Tuple & *newValue*)

Definition at line 256 of file Space.cpp.

**6.53.3.28 SpaceResultList Space::loadAll (const std::vector< Tuple > &
valueList)**

Definition at line 262 of file Space.cpp.

**6.53.3.29 Tuple Space::lock (const Tuple & *key*, const LockOptions
lockOptions)**

Definition at line 361 of file Space.cpp.

6.53.3.30 Tuple Space::lock (const Tuple & *key*) const

Definition at line 353 of file Space.cpp.

**6.53.3.31 SpaceResultList Space::lockAll (const std::vector< Tuple > &
keyList, const LockOptions *lockOptions*) const**

Definition at line 381 of file Space.cpp.

**6.53.3.32 SpaceResultList Space::lockAll (const std::vector< Tuple > &
keyList) const**

Definition at line 372 of file Space.cpp.

6.53.3.33 Tuple Space::put (const Tuple & *newValue*, const PutOptions & *putOptions*)

Definition at line 158 of file Space.cpp.

6.53.3.34 Tuple Space::put (const Tuple & *newValue*)

Definition at line 150 of file Space.cpp.

6.53.3.35 SpaceResultList Space::putAll (const std::vector< Tuple > & *tuples*, const PutOptions & *putOptions*)

Definition at line 178 of file Space.cpp.

6.53.3.36 SpaceResultList Space::putAll (const std::vector< Tuple > & *tuples*)

Definition at line 169 of file Space.cpp.

6.53.3.37 Space & Space::setDistributionRole (const DistributionRole & *distributionRole*)

Definition at line 452 of file Space.cpp.

6.53.3.38 void Space::setPersister (Persister & *persister*)

Definition at line 505 of file Space.cpp.

6.53.3.39 void Space::setRouter (Router & *router*)

Definition at line 512 of file Space.cpp.

6.53.3.40 long long Space::size () const

Definition at line 333 of file Space.cpp.

6.53.3.41 long long Space::size (const std::string & *filter*) const

Definition at line 325 of file Space.cpp.

6.53.3.42 Tuple Space::take (const Tuple & *key*, const TakeOptions & *takeOptions*) const

Definition at line 198 of file Space.cpp.

6.53.3.43 Tuple Space::take (const Tuple & *key*) const

Definition at line 190 of file Space.cpp.

6.53.3.44 SpaceResultList Space::takeAll (const std::vector< Tuple > & *tuples*, const TakeOptions & *takeOptions*) const

Definition at line 218 of file Space.cpp.

6.53.3.45 SpaceResultList Space::takeAll (const std::vector< Tuple > & *tuples*) const

Definition at line 209 of file Space.cpp.

6.53.3.46 SpaceResultList ASApi::Space::unlock (const std::vector< Tuple > & *keyList*) const**6.53.3.47 void Space::unlock (const Tuple & *key*, const UnlockOptions *unlockOptions*) const**

Definition at line 400 of file Space.cpp.

6.53.3.48 void Space::unlock (const Tuple & *key*) const

Definition at line 394 of file Space.cpp.

6.53.3.49 bool Space::waitForReady (long long *timeout*) const

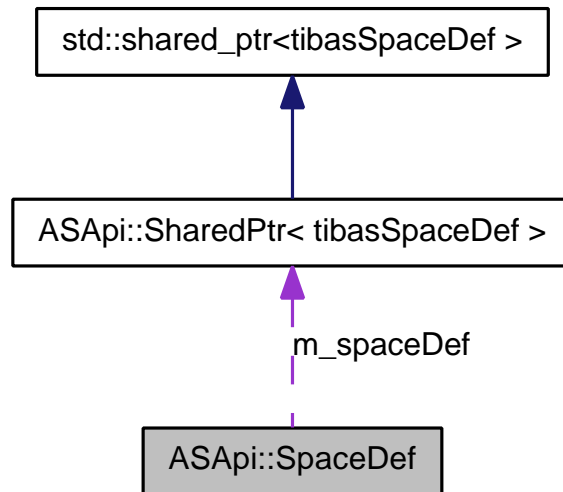
Definition at line 62 of file Space.cpp.

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

- [Space.h](#)
- [Space.cpp](#)

6.54 ASApi::SpaceDef Class Reference

#include <SpaceDef.h> Collaboration diagram for ASApi::SpaceDef:



Public Types

- typedef tibas_distributionPolicy [DistributionPolicy](#)
- typedef tibas_persistenceType [PersistenceType](#)
- typedef tibas_evictionPolicy [EvictionPolicy](#)
- typedef tibas_lockScope [LockScope](#)
- typedef tibas_updateTransport [UpdateTransport](#)
- typedef tibas_persistencePolicy [PersistencePolicy](#)

Public Member Functions

- [SpaceDef](#) ()
- [SpaceDef](#) ([SharedPtr](#)< tibasSpaceDef > &spaceDef)
- [SpaceDef](#) (const tibasSpaceDef &spaceDef)
- [~SpaceDef](#) ()
- const tibasSpaceDef & [get](#) () const
- tibasSpaceDef & [get](#) ()
- [SpaceDef](#) & [setName](#) (const std::string &name)
- std::string [getName](#) () const
- [SpaceDef](#) & [putFieldDef](#) (const [FieldDef](#) &fieldDef)
- [FieldDef](#) [getFieldDef](#) (const std::string &fieldName) const
- [FieldDefList](#) [getFieldDefs](#) () const
- void [takeFieldDef](#) ([FieldDef](#) fieldDef) const
- [SpaceDef](#) & [setKey](#) (const std::string &fieldNames)

- [SpaceDef](#) & [setKeyDef](#) (const [KeyDef](#) &keyDef)
- [KeyDef](#) [getKeyDef](#) () const
- [SpaceDef](#) & [setDistributionPolicy](#) (const [DistributionPolicy](#) &distributionPolicy)
- [DistributionPolicy](#) [getDistributionPolicy](#) () const
- [SpaceDef](#) & [setPersistenceType](#) (const [PersistenceType](#) &persistenceType)
- [PersistenceType](#) [getPersistenceType](#) () const
- [SpaceDef](#) & [setMinSeederCount](#) (int seederCount)
- int [getMinSeederCount](#) () const
- [SpaceDef](#) & [setReplicationCount](#) (int replicationCount)
- int [getReplicationCount](#) () const
- [SpaceDef](#) & [setHostAwareReplication](#) (bool flag)
- bool [isHostAwareReplication](#) () const
- [SpaceDef](#) & [setCapacity](#) (long long capacity)
- long long [getCapacity](#) () const
- [SpaceDef](#) & [setEvictionPolicy](#) ([EvictionPolicy](#) evictionPolicy)
- [EvictionPolicy](#) [getEvictionPolicy](#) () const
- [LockScope](#) [getLockScope](#) () const
- [SpaceDef](#) & [setLockScope](#) (const [LockScope](#) &lockScope)
- int [getNumFields](#) () const
- std::vector< std::string > [getIndex](#) (const std::string &indexName) const
- void [removeIndexDef](#) (const std::string &indexName) const
- [UpdateTransport](#) [getUpdateTransport](#) () const
- [SpaceDef](#) & [setUpdateTransport](#) (const [UpdateTransport](#) &updateTransport)
- [SpaceDef](#) & [setDistributionFields](#) (const std::string &fieldNames)
- std::vector< std::string > [getDistributionFields](#) () const
- void [addIndexDef](#) (const [IndexDef](#) &indexDef)
- bool [isSyncreplicated](#) () const
- [SpaceDef](#) & [setSyncReplicated](#) (bool syncReplicated)
- long long [getSpaceWait](#) () const
- [SpaceDef](#) & [setSpaceWait](#) (long long spaceWait)
- long long [getWriteTimeout](#) () const
- [SpaceDef](#) & [setWriteTimeout](#) (long long spaceWait)
- int [getReadTimeout](#) () const
- [SpaceDef](#) & [setReadTimeout](#) (long long spaceWait)
- long long [getTTL](#) () const
- [SpaceDef](#) & [setTTL](#) (long long ttl)
- long long [getLockTTL](#) () const
- [SpaceDef](#) & [setLockTTL](#) (long long lockTTL)
- long long [getLockWait](#) () const
- [SpaceDef](#) & [setLockWait](#) (long long lockWait)
- [SpaceDef](#) & [setPersisted](#) (bool persisted)
- bool [isPersisted](#) ()
- [PersistencePolicy](#) [getPersistencePolicy](#) () const
- [SpaceDef](#) & [setPersistencePolicy](#) (const [PersistencePolicy](#) &persistencePolicy)

6.54.1 Detailed Description

Definition at line 15 of file SpaceDef.h.

6.54.2 Member Typedef Documentation

6.54.2.1 `typedef tibas_distributionPolicy ASApi::SpaceDef::DistributionPolicy`

Definition at line 18 of file SpaceDef.h.

6.54.2.2 `typedef tibas_evictionPolicy ASApi::SpaceDef::EvictionPolicy`

Definition at line 20 of file SpaceDef.h.

6.54.2.3 `typedef tibas_lockScope ASApi::SpaceDef::LockScope`

Definition at line 21 of file SpaceDef.h.

6.54.2.4 `typedef tibas_persistencePolicy ASApi::SpaceDef::PersistencePolicy`

Definition at line 23 of file SpaceDef.h.

6.54.2.5 `typedef tibas_persistenceType ASApi::SpaceDef::PersistenceType`

Definition at line 19 of file SpaceDef.h.

6.54.2.6 `typedef tibas_updateTransport ASApi::SpaceDef::UpdateTransport`

Definition at line 22 of file SpaceDef.h.

6.54.3 Constructor & Destructor Documentation

6.54.3.1 `SpaceDef::SpaceDef ()`

Definition at line 9 of file SpaceDef.cpp.

6.54.3.2 `SpaceDef::SpaceDef (SharedPtr< tibasSpaceDef > & spaceDef)`

Definition at line 16 of file SpaceDef.cpp.

6.54.3.3 `SpaceDef::SpaceDef (const tibasSpaceDef & spaceDef)`

Definition at line 23 of file SpaceDef.cpp.

6.54.3.4 SpaceDef::~~SpaceDef ()

Definition at line 36 of file SpaceDef.cpp.

6.54.4 Member Function Documentation

6.54.4.1 void SpaceDef::addIndexDef (const IndexDef & *indexDef*)

Definition at line 300 of file SpaceDef.cpp.

6.54.4.2 tibasSpaceDef & SpaceDef::get ()

Definition at line 48 of file SpaceDef.cpp.

6.54.4.3 const tibasSpaceDef & SpaceDef::get () const

Definition at line 42 of file SpaceDef.cpp.

6.54.4.4 long long SpaceDef::getCapacity () const

Definition at line 207 of file SpaceDef.cpp.

6.54.4.5 vector< string > SpaceDef::getDistributionFields () const

Definition at line 292 of file SpaceDef.cpp.

6.54.4.6 SpaceDef::DistributionPolicy SpaceDef::getDistributionPolicy () const

Definition at line 127 of file SpaceDef.cpp.

6.54.4.7 SpaceDef::EvictionPolicy SpaceDef::getEvictionPolicy () const

Definition at line 223 of file SpaceDef.cpp.

6.54.4.8 FieldDef SpaceDef::getFieldDef (const std::string & *fieldName*) const

Definition at line 76 of file SpaceDef.cpp.

6.54.4.9 FieldDefList SpaceDef::getFieldDefs () const

Definition at line 84 of file SpaceDef.cpp.

6.54.4.10 `vector< string > SpaceDef::getIndex (const std::string & indexName) const`

Definition at line 254 of file SpaceDef.cpp.

6.54.4.11 `KeyDef SpaceDef::getKeyDef () const`

Definition at line 112 of file SpaceDef.cpp.

6.54.4.12 `SpaceDef::LockScope SpaceDef::getLockScope () const`

Definition at line 231 of file SpaceDef.cpp.

6.54.4.13 `long long SpaceDef::getLockTTL () const`

Definition at line 387 of file SpaceDef.cpp.

6.54.4.14 `long long SpaceDef::getLockWait () const`

Definition at line 402 of file SpaceDef.cpp.

6.54.4.15 `int SpaceDef::getMinSeederCount () const`

Definition at line 157 of file SpaceDef.cpp.

6.54.4.16 `string SpaceDef::getName () const`

Definition at line 61 of file SpaceDef.cpp.

6.54.4.17 `int SpaceDef::getNumFields () const`

Definition at line 246 of file SpaceDef.cpp.

6.54.4.18 `SpaceDef::PersistencePolicy SpaceDef::getPersistencePolicy () const`

Definition at line 439 of file SpaceDef.cpp.

6.54.4.19 `SpaceDef::PersistenceType SpaceDef::getPersistenceType () const`

Definition at line 142 of file SpaceDef.cpp.

6.54.4.20 int SpaceDef::getReadTimeout () const

Definition at line 357 of file SpaceDef.cpp.

6.54.4.21 int SpaceDef::getReplicationCount () const

Definition at line 171 of file SpaceDef.cpp.

6.54.4.22 long long SpaceDef::getSpaceWait () const

Definition at line 327 of file SpaceDef.cpp.

6.54.4.23 long long SpaceDef::getTTL () const

Definition at line 372 of file SpaceDef.cpp.

6.54.4.24 SpaceDef::UpdateTransport SpaceDef::getUpdateTransport () const

Definition at line 270 of file SpaceDef.cpp.

6.54.4.25 long long SpaceDef::getWriteTimeout () const

Definition at line 342 of file SpaceDef.cpp.

6.54.4.26 bool SpaceDef::isHostAwareReplication () const

Definition at line 186 of file SpaceDef.cpp.

6.54.4.27 bool SpaceDef::isPersisted ()

Definition at line 425 of file SpaceDef.cpp.

6.54.4.28 bool SpaceDef::isSyncreplicated () const

Definition at line 306 of file SpaceDef.cpp.

6.54.4.29 SpaceDef & SpaceDef::putFieldDef (const FieldDef & *fieldDef*)

Definition at line 69 of file SpaceDef.cpp.

6.54.4.30 void SpaceDef::removeIndexDef (const std::string & *indexName*) const

Definition at line 262 of file SpaceDef.cpp.

6.54.4.31 SpaceDef & SpaceDef::setCapacity (long long *capacity*)

Definition at line 200 of file SpaceDef.cpp.

6.54.4.32 SpaceDef & SpaceDef::setDistributionFields (const std::string & *fieldNames*)

Definition at line 285 of file SpaceDef.cpp.

6.54.4.33 SpaceDef & SpaceDef::setDistributionPolicy (const DistributionPolicy & *distributionPolicy*)

Definition at line 120 of file SpaceDef.cpp.

6.54.4.34 SpaceDef & SpaceDef::setEvictionPolicy (EvictionPolicy *evictionPolicy*)

Definition at line 216 of file SpaceDef.cpp.

6.54.4.35 SpaceDef & SpaceDef::setHostAwareReplication (bool *flag*)

Definition at line 179 of file SpaceDef.cpp.

6.54.4.36 SpaceDef & SpaceDef::setKey (const std::string & *fieldNames*)

Definition at line 98 of file SpaceDef.cpp.

6.54.4.37 SpaceDef & SpaceDef::setKeyDef (const KeyDef & *keyDef*)

Definition at line 105 of file SpaceDef.cpp.

6.54.4.38 SpaceDef & SpaceDef::setLockScope (const LockScope & *lockScope*)

Definition at line 239 of file SpaceDef.cpp.

6.54.4.39 SpaceDef & SpaceDef::setLockTTL (long long *lockTTL*)

Definition at line 395 of file SpaceDef.cpp.

6.54.4.40 SpaceDef & SpaceDef::setLockWait (long long *lockWait*)

Definition at line 410 of file SpaceDef.cpp.

6.54.4.41 SpaceDef & SpaceDef::setMinSeederCount (int *seederCount*)

Definition at line 150 of file SpaceDef.cpp.

6.54.4.42 SpaceDef & SpaceDef::setName (const std::string & *name*)

Definition at line 54 of file SpaceDef.cpp.

6.54.4.43 SpaceDef & SpaceDef::setPersisted (bool *persisted*)

Definition at line 417 of file SpaceDef.cpp.

6.54.4.44 SpaceDef & SpaceDef::setPersistencePolicy (const PersistencePolicy & *persistencePolicy*)

Definition at line 447 of file SpaceDef.cpp.

6.54.4.45 SpaceDef & SpaceDef::setPersistenceType (const PersistenceType & *persistenceType*)

Definition at line 135 of file SpaceDef.cpp.

6.54.4.46 SpaceDef & SpaceDef::setReadTimeout (long long *spaceWait*)

Definition at line 365 of file SpaceDef.cpp.

6.54.4.47 SpaceDef & SpaceDef::setReplicationCount (int *replicationCount*)

Definition at line 165 of file SpaceDef.cpp.

6.54.4.48 SpaceDef & SpaceDef::setSpaceWait (long long *spaceWait*)

Definition at line 335 of file SpaceDef.cpp.

6.54.4.49 SpaceDef & SpaceDef::setSyncReplicated (bool *syncReplicated*)

Definition at line 320 of file SpaceDef.cpp.

6.54.4.50 SpaceDef & SpaceDef::setTTL (long long *tTl*)

Definition at line 380 of file SpaceDef.cpp.

6.54.4.51 SpaceDef & SpaceDef::setUpdateTransport (const UpdateTransport & *updateTransport*)

Definition at line 278 of file SpaceDef.cpp.

6.54.4.52 SpaceDef & SpaceDef::setWriteTimeout (long long *spaceWait*)

Definition at line 350 of file SpaceDef.cpp.

6.54.4.53 void SpaceDef::takeFieldDef (FieldDef *fieldDef*) const

Definition at line 92 of file SpaceDef.cpp.

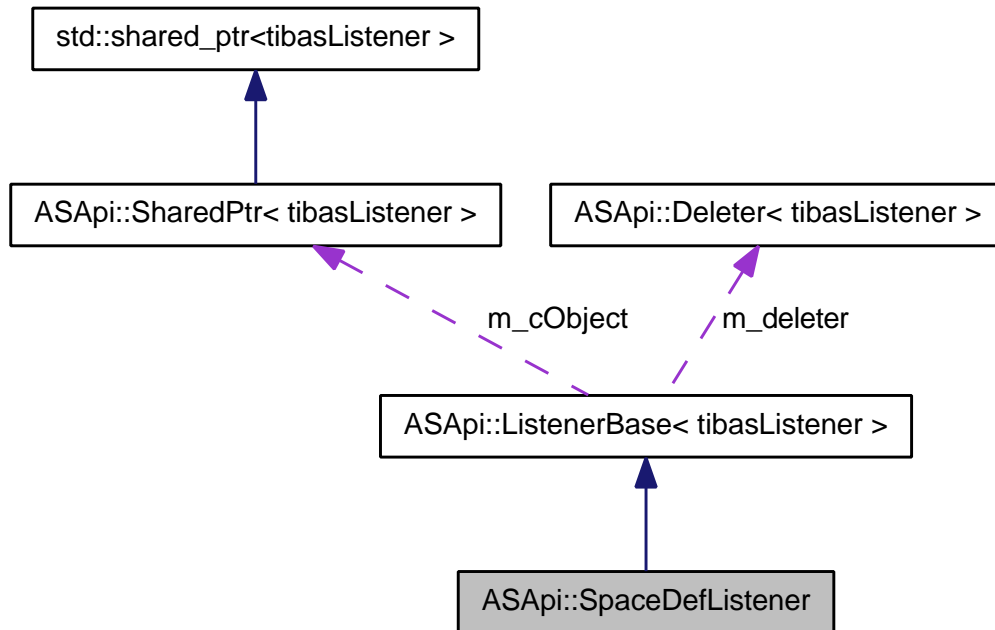
The documentation for this class was generated from the following files:

- [SpaceDef.h](#)
- [SpaceDef.cpp](#)

6.55 ASApi::SpaceDefListener Class Reference

```
#include <SpaceDefListener.h>
```

Inherits [ListenerBase< tibasListener >](#). Collaboration diagram for AS-Api::SpaceDefListener:



Public Member Functions

- [SpaceDefListener](#) ()
- virtual [~SpaceDefListener](#) ()
- virtual void [onDefine](#) (const [SpaceDef](#) &spaceDef)
- virtual void [onAlter](#) (const [SpaceDef](#) &oldSpaceDef, const [SpaceDef](#) &newSpaceDef)
- virtual void [onDrop](#) (const [SpaceDef](#) &spaceDef)
- void [create](#) ()

Static Public Member Functions

- static void [onSpaceDefine](#) (tibasSpaceDef spaceDef, void *closure)
- static void [onSpaceAlter](#) (tibasSpaceDef oldSpaceDef, tibasSpaceDef newSpaceDef, void *closure)
- static void [onSpaceDrop](#) (tibasSpaceDef spaceDef, void *closure)

6.55.1 Detailed Description

Definition at line 12 of file SpaceDefListener.h.

6.55.2 Constructor & Destructor Documentation

6.55.2.1 SpaceDefListener::SpaceDefListener ()

Definition at line 7 of file SpaceDefListener.cpp.

6.55.2.2 SpaceDefListener::~SpaceDefListener () [virtual]

Definition at line 14 of file SpaceDefListener.cpp.

6.55.3 Member Function Documentation

6.55.3.1 void SpaceDefListener::create () [virtual]

Implements [ASApi::ListenerBase< tibasListener >](#).

Definition at line 20 of file SpaceDefListener.cpp.

6.55.3.2 virtual void ASApi::SpaceDefListener::onAlter (const SpaceDef & *oldSpaceDef*, const SpaceDef & *newSpaceDef*) [inline, virtual]

Definition at line 21 of file SpaceDefListener.h.

6.55.3.3 virtual void ASApi::SpaceDefListener::onDefine (const SpaceDef & *spaceDef*) [inline, virtual]

Definition at line 18 of file SpaceDefListener.h.

6.55.3.4 virtual void ASApi::SpaceDefListener::onDrop (const SpaceDef & *spaceDef*) [inline, virtual]

Definition at line 24 of file SpaceDefListener.h.

6.55.3.5 void SpaceDefListener::onSpaceAlter (tibasSpaceDef *oldSpaceDef*, tibasSpaceDef *newSpaceDef*, void * *closure*) [static]

Definition at line 37 of file SpaceDefListener.cpp.

6.55.3.6 void SpaceDefListener::onSpaceDefine (tibasSpaceDef *spaceDef*, void * *closure*) [static]

Definition at line 26 of file SpaceDefListener.cpp.

6.55.3.7 void SpaceDefListener::onSpaceDrop (tibasSpaceDef *spaceDef*, void * *closure*) [static]

Definition at line 49 of file SpaceDefListener.cpp.

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

- [SpaceDefListener.h](#)
- [SpaceDefListener.cpp](#)

6.56 ASApi::SpaceEvent Class Reference

```
#include <SpaceEvent.h>
```

Inherited by [ASApi::EvictEvent](#), [ASApi::ExpireEvent](#), [ASApi::PutEvent](#), [ASApi::SeedEvent](#), [ASApi::TakeEvent](#), and [ASApi::UnseedEvent](#).

Public Types

- typedef tibas_eventType [EventType](#)

Public Member Functions

- [SpaceEvent](#) (const tibasSpaceEvent &event)
- [~SpaceEvent](#) ()
- [Tuple](#) [getTuple](#) () const
- std::string [getMetaspaceName](#) () const
- std::string [getSpaceName](#) () const
- [EventType](#) [getType](#) () const

Protected Attributes

- const tibasSpaceEvent & [m_event](#)

6.56.1 Detailed Description

Definition at line 11 of file SpaceEvent.h.

6.56.2 Member Typedef Documentation

6.56.2.1 typedef tibas_eventType ASApi::SpaceEvent::EventType

Definition at line 14 of file SpaceEvent.h.

6.56.3 Constructor & Destructor Documentation

6.56.3.1 SpaceEvent::SpaceEvent (const tibasSpaceEvent & event)

Definition at line 8 of file SpaceEvent.cpp.

6.56.3.2 SpaceEvent::~SpaceEvent ()

Definition at line 15 of file SpaceEvent.cpp.

6.56.4 Member Function Documentation

6.56.4.1 string SpaceEvent::getMetaspaceName () const

Definition at line 37 of file SpaceEvent.cpp.

6.56.4.2 string SpaceEvent::getSpaceName () const

Definition at line 45 of file SpaceEvent.cpp.

6.56.4.3 Tuple SpaceEvent::getTuple () const

Definition at line 29 of file SpaceEvent.cpp.

6.56.4.4 SpaceEvent::EventType SpaceEvent::getType () const

Definition at line 21 of file SpaceEvent.cpp.

6.56.5 Member Data Documentation

6.56.5.1 const tibasSpaceEvent& ASApi::SpaceEvent::m_event [protected]

Definition at line 28 of file SpaceEvent.h.

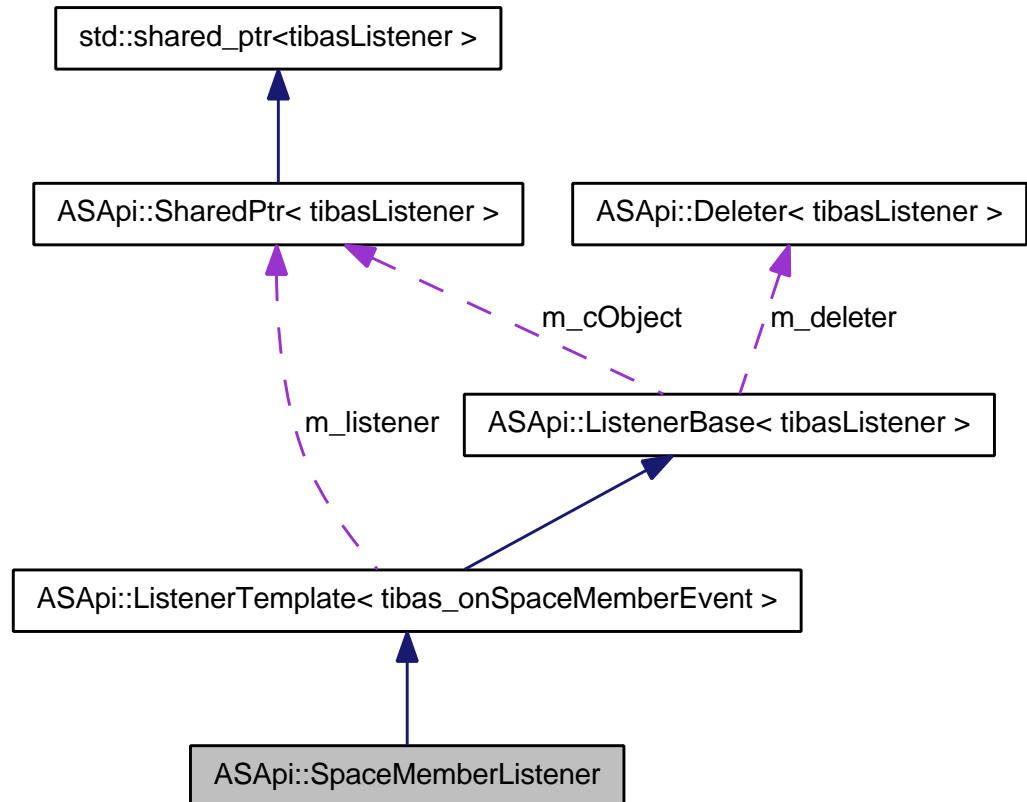
The documentation for this class was generated from the following files:

- [SpaceEvent.h](#)
- [SpaceEvent.cpp](#)

6.57 ASApi::SpaceMemberListener Class Reference

```
#include <SpaceMemberListener.h>
```

Inherits [ListenerTemplate< tibas_onSpaceMemberEvent >](#). Collaboration diagram for ASApi::SpaceMemberListener:



Public Member Functions

- [SpaceMemberListener](#) ()
- virtual [~SpaceMemberListener](#) ()
- virtual void [onJoin](#) (const std::string &spaceName, const [Member](#) &member, [DistributionRole](#) role)
- virtual void [onUpdate](#) (const std::string &spaceName, const [Member](#) &member, [DistributionRole](#) role)
- virtual void [onLeave](#) (const std::string &spaceName, const [Member](#) &member)

Static Public Member Functions

- static void [onEvent](#) (tibasSpaceMemberEvent spaceMemberEvent, void *closure)

6.57.1 Detailed Description

Definition at line 13 of file SpaceMemberListener.h.

6.57.2 Constructor & Destructor Documentation

6.57.2.1 SpaceMemberListener::SpaceMemberListener ()

Definition at line 6 of file SpaceMemberListener.cpp.

6.57.2.2 SpaceMemberListener::~SpaceMemberListener () [virtual]

Definition at line 13 of file SpaceMemberListener.cpp.

6.57.3 Member Function Documentation

6.57.3.1 void SpaceMemberListener::onEvent (tibasSpaceMemberEvent *spaceMemberEvent*, void * *closure*) [static]

Definition at line 18 of file SpaceMemberListener.cpp.

6.57.3.2 virtual void ASApi::SpaceMemberListener::onJoin (const std::string & *spaceName*, const Member & *member*, DistributionRole *role*) [inline, virtual]

Definition at line 21 of file SpaceMemberListener.h.

6.57.3.3 virtual void ASApi::SpaceMemberListener::onLeave (const std::string & *spaceName*, const Member & *member*) [inline, virtual]

Definition at line 23 of file SpaceMemberListener.h.

6.57.3.4 virtual void ASApi::SpaceMemberListener::onUpdate (const std::string & *spaceName*, const Member & *member*, DistributionRole *role*) [inline, virtual]

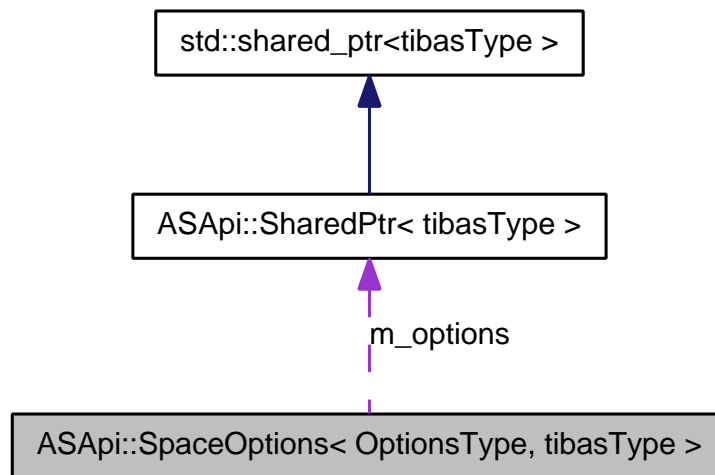
Definition at line 22 of file SpaceMemberListener.h.

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

- [SpaceMemberListener.h](#)
- [SpaceMemberListener.cpp](#)

6.58 ASApi::SpaceOptions< OptionsType, tibasType > Class Template Reference

#include <SpaceOptions.h> Collaboration diagram for ASApi::SpaceOptions< OptionsType, tibasType >:



Public Member Functions

- virtual [~SpaceOptions](#) ()
- tibasType & [get](#) () const
- [SpaceOptions](#) & [setResultHandler](#) ([SharedPtr](#)< [SpaceResultHandler](#) > handler)
- [SharedPtr](#)< [SpaceResultHandler](#) > [getResultHandler](#) () const
- [SpaceOptions](#) & [setClosure](#) (void *closure)
- void * [getClosure](#) () const

Protected Member Functions

- [SpaceOptions](#) (Initializer init)

Protected Attributes

- [SharedPtr](#)< tibasType > [m_options](#)

6.58.1 Detailed Description

template<typename OptionsType, typename tibasType> class ASApi::SpaceOptions< OptionsType, tibasType >

Definition at line 11 of file SpaceOptions.h.

6.58.2 Constructor & Destructor Documentation

6.58.2.1 `template<typename OptionsType , typename tibasType >
ASApi::SpaceOptions< OptionsType, tibasType >::~~SpaceOptions ()
[inline, virtual]`

Definition at line 40 of file SpaceOptions.h.

6.58.2.2 `template<typename OptionsType , typename tibasType >
ASApi::SpaceOptions< OptionsType, tibasType >::SpaceOptions
(Initializer init) [inline, protected]`

Definition at line 33 of file SpaceOptions.h.

6.58.3 Member Function Documentation

6.58.3.1 `template<typename OptionsType , typename tibasType > tibasType
& ASApi::SpaceOptions< OptionsType, tibasType >::get () const
[inline]`

Definition at line 46 of file SpaceOptions.h.

6.58.3.2 `template<typename OptionsType , typename tibasType > void *
ASApi::SpaceOptions< OptionsType, tibasType >::getClosure () const
[inline]`

Definition at line 88 of file SpaceOptions.h.

6.58.3.3 `template<typename OptionsType , typename tibasType > SharedPtr<
SpaceResultHandler > ASApi::SpaceOptions< OptionsType,
tibasType >::getResultHandler () const [inline]`

Definition at line 66 of file SpaceOptions.h.

6.58.3.4 `template<typename OptionsType , typename tibasType >
SpaceOptions< OptionsType, tibasType > & ASApi::SpaceOptions<
OptionsType, tibasType >::setClosure (void * closure) [inline]`

Definition at line 74 of file SpaceOptions.h.

6.58.3.5 `template<typename OptionsType , typename tibasType >
SpaceOptions< OptionsType, tibasType > & ASApi::SpaceOptions<
OptionsType, tibasType >::setResultHandler (SharedPtr<
SpaceResultHandler > handler) [inline]`

Definition at line 52 of file SpaceOptions.h.

6.58.4 Member Data Documentation

6.58.4.1 `template<typename OptionsType, typename tibasType>
SharedPtr<tibasType> ASApi::SpaceOptions< OptionsType,
tibasType >::m_options [protected]`

Definition at line 29 of file SpaceOptions.h.

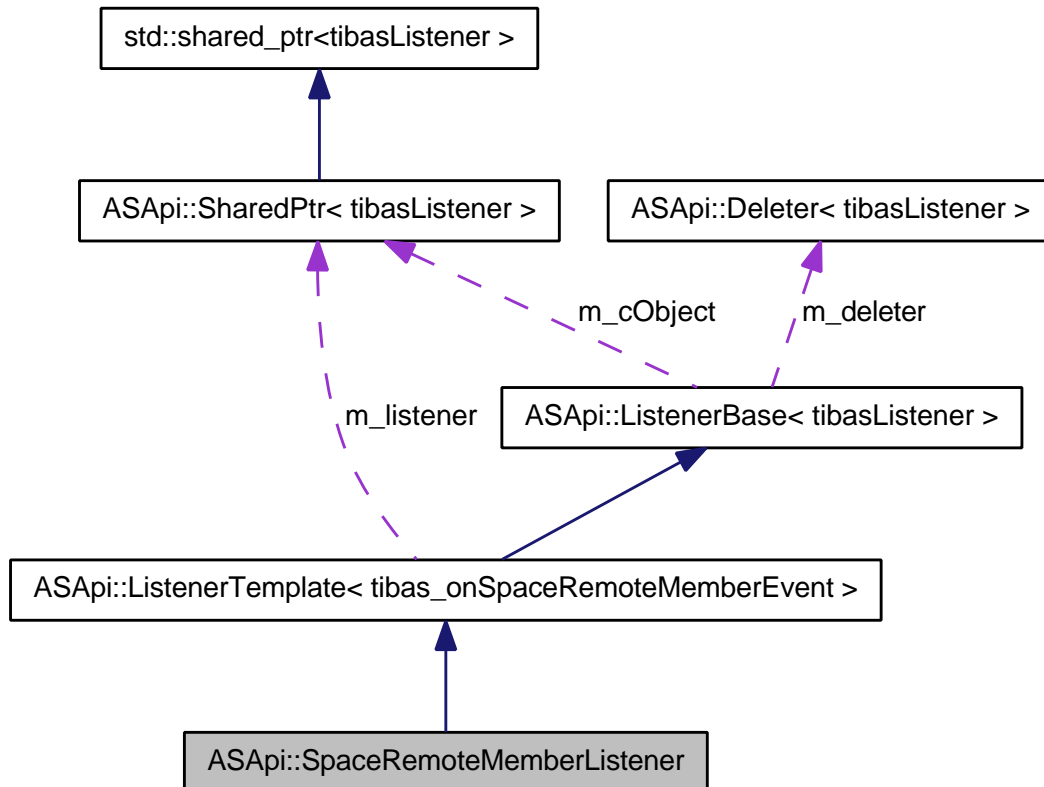
The documentation for this class was generated from the following file:

- [SpaceOptions.h](#)

6.59 ASApi::SpaceRemoteMemberListener Class Reference

```
#include <SpaceRemoteMemberListener.h>
```

Inherits [ListenerTemplate< tibas_onSpaceRemoteMemberEvent >](#). Collaboration diagram for ASApi::SpaceRemoteMemberListener:



Public Member Functions

- [SpaceRemoteMemberListener](#) ()
- virtual [~SpaceRemoteMemberListener](#) ()
- virtual void [onJoin](#) (const std::string &spaceName, const [Member](#) &member, const [Member](#) &proxyMember)
- virtual void [onLeave](#) (const std::string &spaceName, const [Member](#) &member, const [Member](#) &proxyMember)

Static Public Member Functions

- static void [onEvent](#) (tibasSpaceRemoteMemberEvent spaceRemoteMemberEvent, void *closure)

6.59.1 Detailed Description

Definition at line 13 of file SpaceRemoteMemberListener.h.

6.59.2 Constructor & Destructor Documentation

6.59.2.1 SpaceRemoteMemberListener::SpaceRemoteMemberListener ()

Definition at line 6 of file SpaceRemoteMemberListener.cpp.

6.59.2.2 SpaceRemoteMemberListener::~SpaceRemoteMemberListener () [virtual]

Definition at line 13 of file SpaceRemoteMemberListener.cpp.

6.59.3 Member Function Documentation

6.59.3.1 void SpaceRemoteMemberListener::onEvent (tibasSpaceRemoteMemberEvent *spaceRemoteMemberEvent*, void * *closure*) [static]

Definition at line 18 of file SpaceRemoteMemberListener.cpp.

6.59.3.2 virtual void ASApi::SpaceRemoteMemberListener::onJoin (const std::string & *spaceName*, const Member & *member*, const Member & *proxyMember*) [inline, virtual]

Definition at line 21 of file SpaceRemoteMemberListener.h.

6.59.3.3 virtual void ASApi::SpaceRemoteMemberListener::onLeave (const std::string & *spaceName*, const Member & *member*, const Member & *proxyMember*) [inline, virtual]

Definition at line 22 of file SpaceRemoteMemberListener.h.

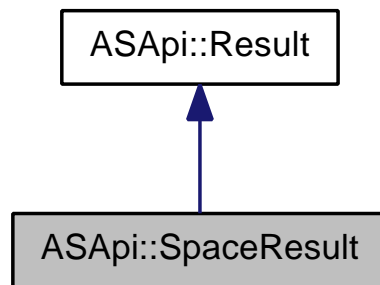
The documentation for this class was generated from the following files:

- [SpaceRemoteMemberListener.h](#)
- [SpaceRemoteMemberListener.cpp](#)

6.60 ASApi::SpaceResult Class Reference

```
#include <SpaceResult.h>
```

Inherits [ASApi::Result](#). Collaboration diagram for ASApi::SpaceResult:



Public Member Functions

- [SpaceResult](#) (const tibasSpaceResult &spaceResult)
- [~SpaceResult](#) ()
- bool [hasError](#) () const
- [Status](#) [getStatus](#) () const
- [Exception](#) [getError](#) () const
- [Tuple](#) [getTuple](#) () const

6.60.1 Detailed Description

Definition at line 13 of file `SpaceResult.h`.

6.60.2 Constructor & Destructor Documentation

6.60.2.1 `SpaceResult::SpaceResult (const tibasSpaceResult & spaceResult)`

Definition at line 7 of file `SpaceResult.cpp`.

6.60.2.2 `SpaceResult::~SpaceResult ()`

Definition at line 14 of file `SpaceResult.cpp`.

6.60.3 Member Function Documentation

6.60.3.1 Exception `SpaceResult::getError () const` `[virtual]`

Implements [ASApi::Result](#).

Definition at line 42 of file SpaceResult.cpp.

6.60.3.2 Status SpaceResult::getStatus () const [virtual]

Implements [ASApi::Result](#).

Definition at line 34 of file SpaceResult.cpp.

6.60.3.3 Tuple SpaceResult::getTuple () const

Definition at line 50 of file SpaceResult.cpp.

6.60.3.4 bool SpaceResult::hasError () const [virtual]

Implements [ASApi::Result](#).

Definition at line 20 of file SpaceResult.cpp.

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

- [SpaceResult.h](#)
- [SpaceResult.cpp](#)

6.61 ASApi::SpaceResultHandler Class Reference

```
#include <SpaceResultHandler.h>
```

Classes

- struct [Closure](#)

Public Member Functions

- virtual void [onComplete](#) (const [SpaceResult](#) &spaceResult, void *closure)=0

Static Public Member Functions

- static void [onCComplete](#) (tibasSpaceResult result, void *closure)

6.61.1 Detailed Description

Definition at line 10 of file SpaceResultHandler.h.

6.61.2 Member Function Documentation

6.61.2.1 void SpaceResultHandler::onCComplete (tibasSpaceResult *result*, void * *closure*) [**static**]

Definition at line 6 of file SpaceResultHandler.cpp.

6.61.2.2 virtual void ASApi::SpaceResultHandler::onComplete (const SpaceResult & *spaceResult*, void * *closure*) [**pure virtual**]

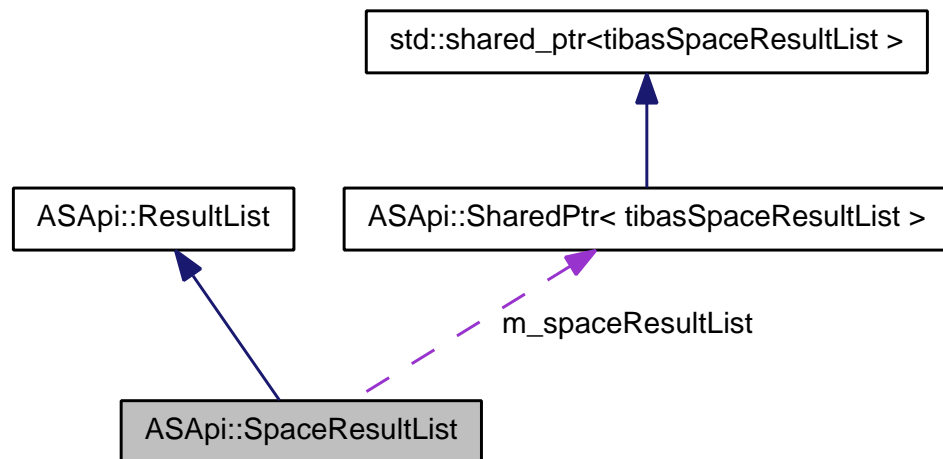
The documentation for this class was generated from the following files:

- [SpaceResultHandler.h](#)
- [SpaceResultHandler.cpp](#)

6.62 ASApi::SpaceResultList Class Reference

```
#include <SpaceResultList.h>
```

Inherits [ASApi::ResultList](#). Collaboration diagram for ASApi::SpaceResultList:



Public Member Functions

- [SpaceResultList](#) (const [SharedPtr](#)< tibasSpaceResultList > &spaceResultList)
- [~SpaceResultList](#) ()
- bool [hasError](#) () const
- [Exception](#) [getError](#) (int index) const
- [Status](#) [getStatus](#) (int index) const
- [Tuple](#) [getTuple](#) (int index) const
- int [size](#) () const
- void [getTuples](#) (std::vector< [Tuple](#) > &tuples) const

6.62.1 Detailed Description

Definition at line 14 of file SpaceResultList.h.

6.62.2 Constructor & Destructor Documentation

6.62.2.1 SpaceResultList::SpaceResultList (const SharedPtr< tibasSpaceResultList > &spaceResultList) [explicit]

Definition at line 7 of file SpaceResultList.cpp.

6.62.2.2 SpaceResultList::~~SpaceResultList ()

Definition at line 14 of file SpaceResultList.cpp.

6.62.3 Member Function Documentation

6.62.3.1 Exception SpaceResultList::getError (int *index*) const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 34 of file SpaceResultList.cpp.

6.62.3.2 Status SpaceResultList::getStatus (int *index*) const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 42 of file SpaceResultList.cpp.

6.62.3.3 Tuple SpaceResultList::getTuple (int *index*) const

Definition at line 50 of file SpaceResultList.cpp.

6.62.3.4 void SpaceResultList::getTuples (std::vector< Tuple > & *tuples*) const

Definition at line 66 of file SpaceResultList.cpp.

6.62.3.5 bool SpaceResultList::hasError () const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 20 of file SpaceResultList.cpp.

6.62.3.6 int SpaceResultList::size () const [virtual]

Implements [ASApi::ResultList](#).

Definition at line 58 of file SpaceResultList.cpp.

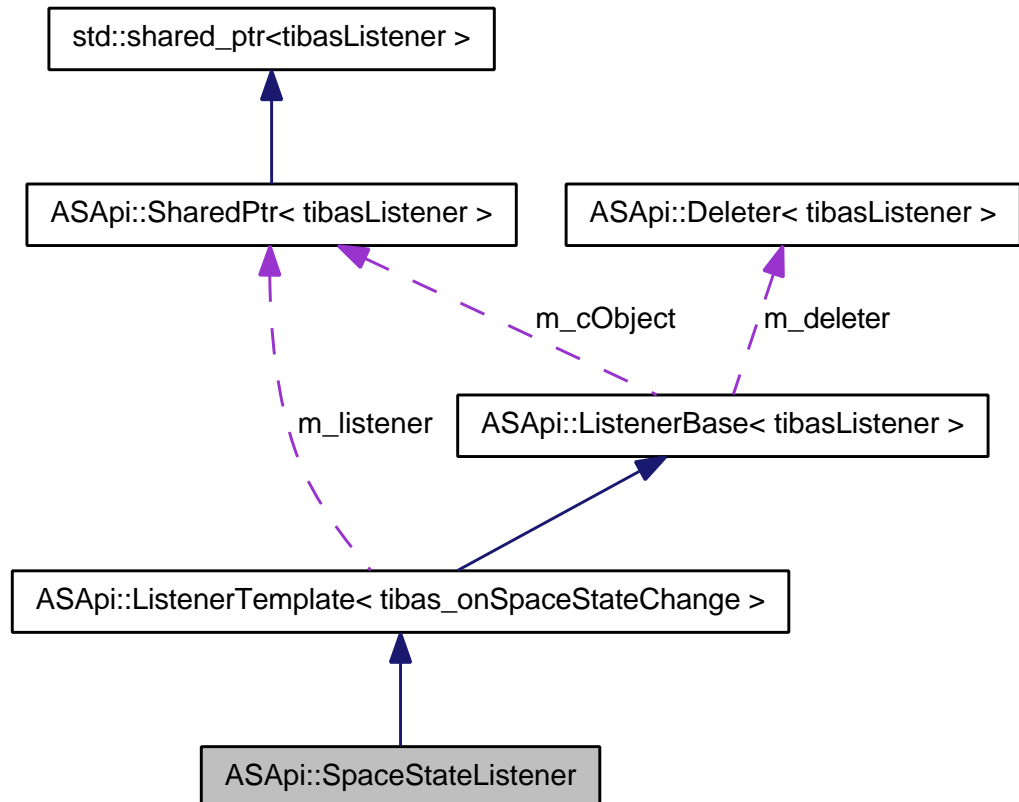
The documentation for this class was generated from the following files:

- [SpaceResultList.h](#)
- [SpaceResultList.cpp](#)

6.63 ASApi::SpaceStateListener Class Reference

```
#include <SpaceStateListener.h>
```

Inherits [ListenerTemplate< tibas_onSpaceStateChange >](#). Collaboration diagram for ASApi::SpaceStateListener:



Public Types

- typedef tibas_spaceState [SpaceState](#)

Public Member Functions

- [SpaceStateListener](#) ()
- virtual [~SpaceStateListener](#) ()
- virtual void [onStateChange](#) (const std::string &spaceName, const [SpaceState](#) &spaceState)=0

Static Public Member Functions

- static void [onCStateChage](#) (const char *spaceName, tibas_spaceState spaceState, void *closure)

6.63.1 Detailed Description

Definition at line 12 of file SpaceStateListener.h.

6.63.2 Member Typedef Documentation

6.63.2.1 typedef tibas_spaceState ASApi::SpaceStateListener::SpaceState

Definition at line 15 of file SpaceStateListener.h.

6.63.3 Constructor & Destructor Documentation

6.63.3.1 SpaceStateListener::SpaceStateListener ()

Definition at line 9 of file SpaceStateListener.cpp.

6.63.3.2 SpaceStateListener::~SpaceStateListener () [virtual]

Definition at line 16 of file SpaceStateListener.cpp.

6.63.4 Member Function Documentation

6.63.4.1 void SpaceStateListener::onCStateChage (const char * *spaceName*, tibas_spaceState *spaceState*, void * *closure*) [static]

Definition at line 22 of file SpaceStateListener.cpp.

6.63.4.2 virtual void ASApi::SpaceStateListener::onStateChange (const std::string & *spaceName*, const SpaceState & *spaceState*) [pure virtual]

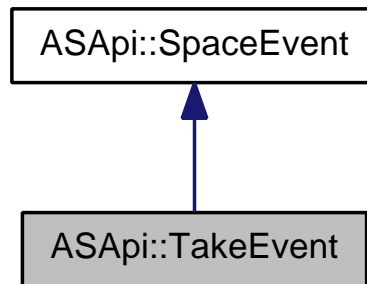
The documentation for this class was generated from the following files:

- [SpaceStateListener.h](#)
- [SpaceStateListener.cpp](#)

6.64 ASApi::TakeEvent Class Reference

```
#include <TakeEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::TakeEvent:



Public Member Functions

- [TakeEvent](#) (const tibasSpaceEvent &event)
- [~TakeEvent](#) ()

6.64.1 Detailed Description

Definition at line 10 of file TakeEvent.h.

6.64.2 Constructor & Destructor Documentation

6.64.2.1 TakeEvent::TakeEvent (const tibasSpaceEvent & *event*)

Definition at line 8 of file TakeEvent.cpp.

6.64.2.2 TakeEvent::~~TakeEvent ()

Definition at line 14 of file TakeEvent.cpp.

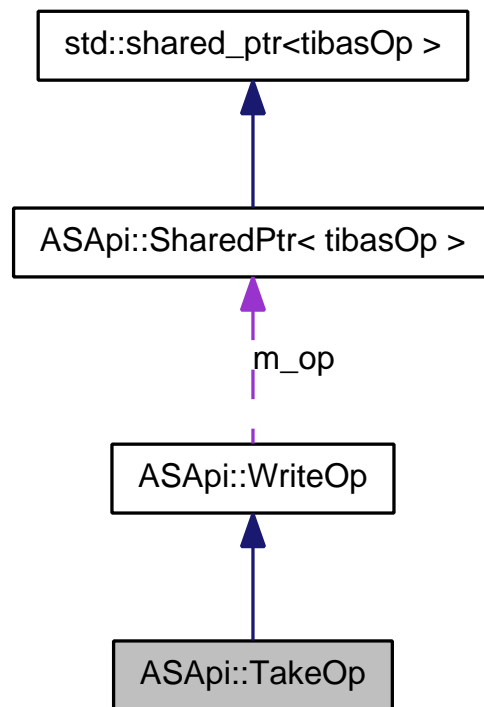
The documentation for this class was generated from the following files:

- [TakeEvent.h](#)
- [TakeEvent.cpp](#)

6.65 ASApi::TakeOp Class Reference

```
#include <TakeOp.h>
```

Inherits [ASApi::WriteOp](#). Collaboration diagram for ASApi::TakeOp:



Public Member Functions

- [TakeOp](#) ([SharedPtr](#)< tibasOp > &op)

6.65.1 Detailed Description

Definition at line 9 of file TakeOp.h.

6.65.2 Constructor & Destructor Documentation

6.65.2.1 TakeOp::TakeOp (SharedPtr< tibasOp > & op)

Definition at line 6 of file TakeOp.cpp.

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

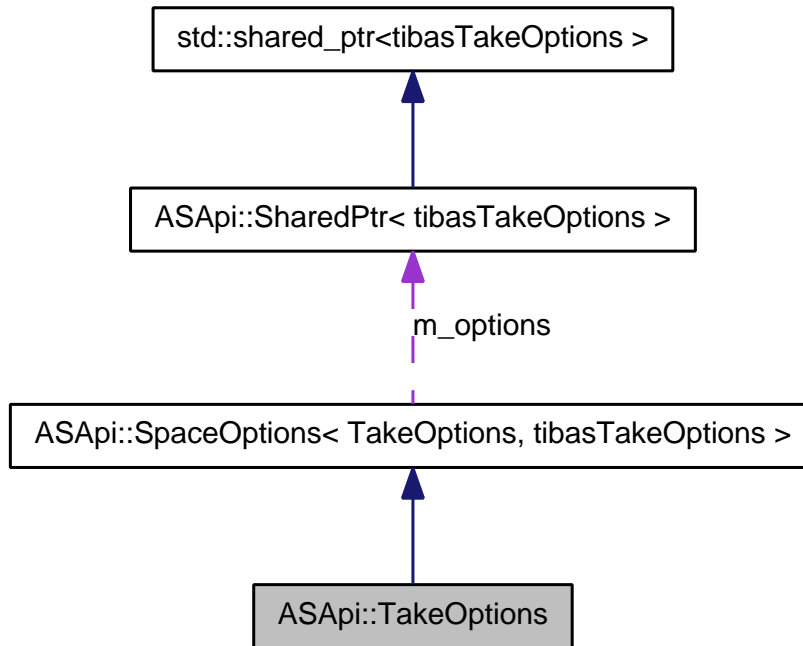
- [TakeOp.h](#)

- [TakeOp.cpp](#)

6.66 ASApi::TakeOptions Class Reference

```
#include <TakeOptions.h>
```

Inherits [SpaceOptions< TakeOptions, tibasTakeOptions >](#). Collaboration diagram for ASApi::TakeOptions:



Public Member Functions

- [TakeOptions](#) ()
- [TakeOptions](#) & [setLockWait](#) (long long wait)
- long long [getLockWait](#) () const
- [TakeOptions](#) & [setLock](#) (bool doLock)
- [TakeOptions](#) & [setUnlock](#) (bool doLock)
- bool [isLock](#) () const
- bool [isUnlock](#) () const
- [TakeOptions](#) & [setForget](#) (bool doForget)
- bool [isForget](#) () const
- [TakeOptions](#) & [setRoute](#) (bool doRoute)
- bool [isRoute](#) () const

6.66.1 Detailed Description

Definition at line 10 of file TakeOptions.h.

6.66.2 Constructor & Destructor Documentation

6.66.2.1 TakeOptions::TakeOptions ()

Definition at line 10 of file TakeOptions.cpp.

6.66.3 Member Function Documentation

6.66.3.1 long long TakeOptions::getLockWait () const

Definition at line 24 of file TakeOptions.cpp.

6.66.3.2 bool TakeOptions::isForget () const

Definition at line 82 of file TakeOptions.cpp.

6.66.3.3 bool TakeOptions::isLock () const

Definition at line 44 of file TakeOptions.cpp.

6.66.3.4 bool TakeOptions::isRoute () const

Definition at line 104 of file TakeOptions.cpp.

6.66.3.5 bool TakeOptions::isUnlock () const

Definition at line 60 of file TakeOptions.cpp.

6.66.3.6 TakeOptions & TakeOptions::setForget (bool *doForget*)

Definition at line 75 of file TakeOptions.cpp.

6.66.3.7 TakeOptions & TakeOptions::setLock (bool *doLock*)

Definition at line 30 of file TakeOptions.cpp.

6.66.3.8 TakeOptions & TakeOptions::setLockWait (long long *wait*)

Definition at line 17 of file TakeOptions.cpp.

6.66.3.9 TakeOptions & TakeOptions::setRoute (bool *doRoute*)

Definition at line 97 of file TakeOptions.cpp.

6.66.3.10 TakeOptions & TakeOptions::setUnlock (bool *doLock*)

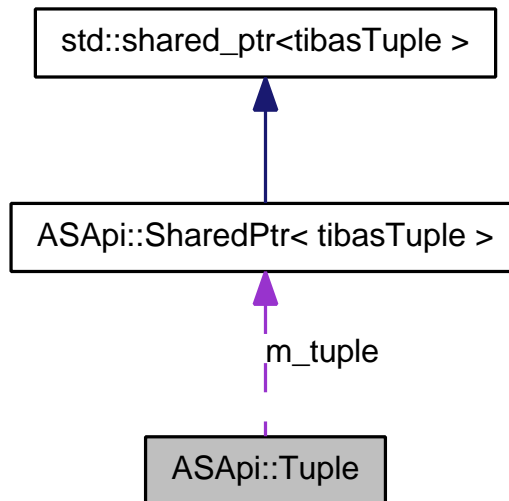
Definition at line 37 of file TakeOptions.cpp.

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

- [TakeOptions.h](#)
- [TakeOptions.cpp](#)

6.67 ASApi::Tuple Class Reference

#include <Tuple.h> Collaboration diagram for ASApi::Tuple:



Public Member Functions

- [Tuple](#) ()
- [Tuple](#) ([SharedPtr](#)< tibasTuple > &tuple)
- [Tuple](#) (const tibasTuple &tuple)
- [~Tuple](#) ()
- tibasTuple & [get](#) ()
- const tibasTuple & [get](#) () const
- bool [getBoolean](#) (const std::string &fieldName) const
- char [getChar](#) (const std::string &fieldName) const
- short [getShort](#) (const std::string &fieldName) const
- int [getInt](#) (const std::string &fieldName) const
- long long [getLong](#) (const std::string &fieldName) const
- float [getFloat](#) (const std::string &fieldName) const
- double [getDouble](#) (const std::string &fieldName) const
- std::string [getString](#) (const std::string &fieldName) const
- struct timeval [getDateTime](#) (const std::string &fieldName) const
- char * [getBlob](#) (const std::string &fieldName, int &length) const
- bool [isNull](#) (const std::string &fieldName) const
- bool [isNull](#) () const
- [Tuple](#) & [putBoolean](#) (const std::string &fieldName, bool value)
- [Tuple](#) & [putChar](#) (const std::string &fieldName, char value)
- [Tuple](#) & [putShort](#) (const std::string &fieldName, short value)
- [Tuple](#) & [putInt](#) (const std::string &fieldName, int value)

- [Tuple](#) & [putLong](#) (const std::string &fieldName, long long value)
- [Tuple](#) & [putFloat](#) (const std::string &fieldName, float value)
- [Tuple](#) & [putDouble](#) (const std::string &fieldName, double value)
- [Tuple](#) & [putString](#) (const std::string &fieldName, const std::string &value)
- [Tuple](#) & [putDateTime](#) (const std::string &fieldName, const struct timeval &date-Time)
- void [remove](#) (const std::string &fieldName) const
- int [size](#) () const
- void [clear](#) ()
- std::string [toString](#) () const
- void [serialize](#) (char **data, int *length) const
- void [deserialize](#) (char *data, int length) const
- bool [exists](#) (const std::string &fieldName) const
- std::vector< std::string > [getFieldNames](#) () const
- [FieldDef::Type](#) [getFieldType](#) (const std::string &fieldName) const
- [Tuple](#) & [putAll](#) (const [Tuple](#) &otherTuple)
- bool [eval](#) (const std::string &filter) const
- bool [operator==](#) (const [Tuple](#) &tuple)

6.67.1 Detailed Description

Definition at line 22 of file Tuple.h.

6.67.2 Constructor & Destructor Documentation

6.67.2.1 Tuple::Tuple ()

Definition at line 15 of file Tuple.cpp.

6.67.2.2 Tuple::Tuple (SharedPtr< [tibasTuple](#) > & *tuple*)

Definition at line 22 of file Tuple.cpp.

6.67.2.3 Tuple::Tuple (const [tibasTuple](#) & *tuple*)

Definition at line 28 of file Tuple.cpp.

6.67.2.4 Tuple::~~Tuple ()

Definition at line 38 of file Tuple.cpp.

6.67.3 Member Function Documentation

6.67.3.1 void Tuple::clear ()

Definition at line 248 of file Tuple.cpp.

6.67.3.2 void Tuple::deserialize (char * *data*, int *length*) const

Definition at line 268 of file Tuple.cpp.

6.67.3.3 bool Tuple::eval (const std::string & *filter*) const

Definition at line 312 of file Tuple.cpp.

6.67.3.4 bool Tuple::exists (const std::string & *fieldName*) const

Definition at line 274 of file Tuple.cpp.

6.67.3.5 const tibasTuple & Tuple::get () const

Definition at line 44 of file Tuple.cpp.

6.67.3.6 tibasTuple & Tuple::get ()

Definition at line 50 of file Tuple.cpp.

6.67.3.7 char * Tuple::getBlob (const std::string & *fieldName*, int & *length*) const

Definition at line 137 of file Tuple.cpp.

6.67.3.8 bool Tuple::getBoolean (const std::string & *fieldName*) const

Definition at line 56 of file Tuple.cpp.

6.67.3.9 char Tuple::getChar (const std::string & *fieldName*) const

Definition at line 71 of file Tuple.cpp.

6.67.3.10 struct timeval Tuple::getDateTime (const std::string & *fieldName*) const [read]

Definition at line 126 of file Tuple.cpp.

6.67.3.11 double Tuple::getDouble (const std::string & *fieldName*) const

Definition at line 111 of file Tuple.cpp.

6.67.3.12 vector< string > Tuple::getFieldNames () const

Definition at line 289 of file Tuple.cpp.

6.67.3.13 FieldDef::Type Tuple::getFieldType (const std::string & *fieldName*) const

Definition at line 297 of file Tuple.cpp.

6.67.3.14 float Tuple::getFloat (const std::string & *fieldName*) const

Definition at line 103 of file Tuple.cpp.

6.67.3.15 int Tuple::getInt (const std::string & *fieldName*) const

Definition at line 87 of file Tuple.cpp.

6.67.3.16 long long Tuple::getLong (const std::string & *fieldName*) const

Definition at line 95 of file Tuple.cpp.

6.67.3.17 short Tuple::getShort (const std::string & *fieldName*) const

Definition at line 79 of file Tuple.cpp.

6.67.3.18 string Tuple::getString (const std::string & *fieldName*) const

Definition at line 119 of file Tuple.cpp.

6.67.3.19 bool Tuple::isNull () const

Definition at line 160 of file Tuple.cpp.

6.67.3.20 bool Tuple::isNull (const std::string & *fieldName*) const

Definition at line 145 of file Tuple.cpp.

6.67.3.21 `bool Tuple::operator==(const Tuple & tuple)`

Definition at line 328 of file Tuple.cpp.

6.67.3.22 `Tuple & Tuple::putAll(const Tuple & otherTuple)`

Definition at line 305 of file Tuple.cpp.

6.67.3.23 `Tuple & Tuple::putBoolean(const std::string & fieldName, bool value)`

Definition at line 166 of file Tuple.cpp.

6.67.3.24 `Tuple & Tuple::putChar(const std::string & fieldName, char value)`

Definition at line 173 of file Tuple.cpp.

6.67.3.25 `Tuple & Tuple::putDateTime(const std::string & fieldName, const struct timeval & dateTime)`

Definition at line 223 of file Tuple.cpp.

6.67.3.26 `Tuple & Tuple::putDouble(const std::string & fieldName, double value)`

Definition at line 208 of file Tuple.cpp.

6.67.3.27 `Tuple & Tuple::putFloat(const std::string & fieldName, float value)`

Definition at line 201 of file Tuple.cpp.

6.67.3.28 `Tuple & Tuple::putInt(const std::string & fieldName, int value)`

Definition at line 187 of file Tuple.cpp.

6.67.3.29 `Tuple & Tuple::putLong(const std::string & fieldName, long long value)`

Definition at line 194 of file Tuple.cpp.

6.67.3.30 `Tuple & Tuple::putShort(const std::string & fieldName, short value)`

Definition at line 180 of file Tuple.cpp.

6.67.3.31 Tuple & Tuple::putString (const std::string & *fieldName*, const std::string & *value*)

Definition at line 215 of file Tuple.cpp.

6.67.3.32 void Tuple::remove (const std::string & *fieldName*) const

Definition at line 234 of file Tuple.cpp.

6.67.3.33 void Tuple::serialize (char ** *data*, int * *length*) const

Definition at line 262 of file Tuple.cpp.

6.67.3.34 int Tuple::size () const

Definition at line 240 of file Tuple.cpp.

6.67.3.35 string Tuple::toString () const

Definition at line 254 of file Tuple.cpp.

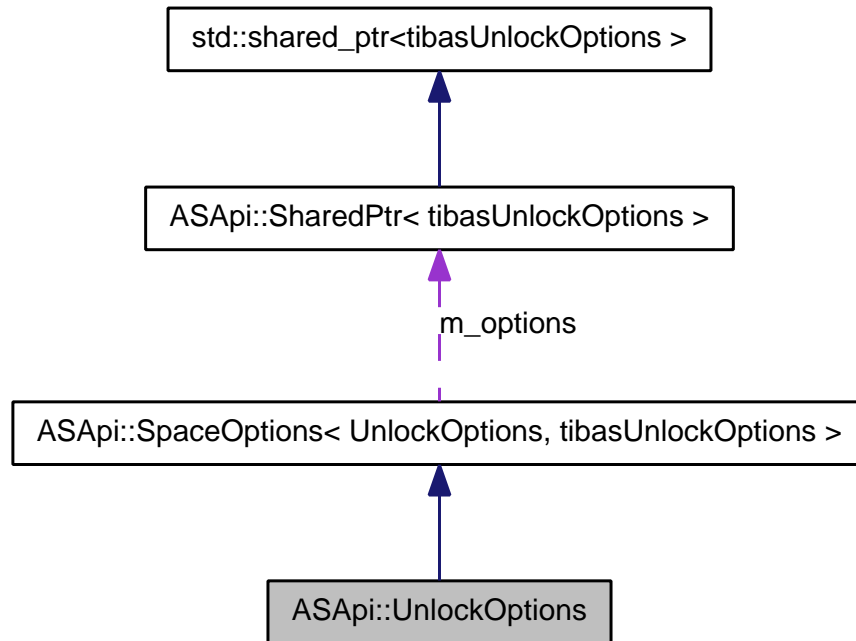
The documentation for this class was generated from the following files:

- [Tuple.h](#)
- [Tuple.cpp](#)

6.68 ASApi::UnlockOptions Class Reference

```
#include <UnlockOptions.h>
```

Inherits [SpaceOptions< UnlockOptions, tibasUnlockOptions >](#). Collaboration diagram for ASApi::UnlockOptions:



Public Member Functions

- [UnlockOptions](#) ()
- [UnlockOptions](#) & [setLockWait](#) (long long wait)
- long long [getLockWait](#) () const

6.68.1 Detailed Description

Definition at line 10 of file `UnlockOptions.h`.

6.68.2 Constructor & Destructor Documentation

6.68.2.1 UnlockOptions::UnlockOptions ()

Definition at line 10 of file `UnlockOptions.cpp`.

6.68.3 Member Function Documentation

6.68.3.1 long long UnlockOptions::getLockWait () const

Definition at line 24 of file UnlockOptions.cpp.

6.68.3.2 UnlockOptions & UnlockOptions::setLockWait (long long *wait*)

Definition at line 17 of file UnlockOptions.cpp.

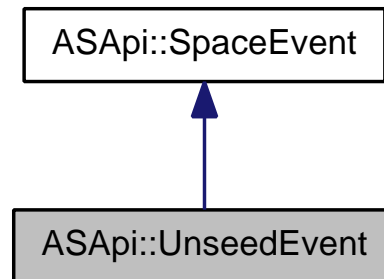
The documentation for this class was generated from the following files:

- [UnlockOptions.h](#)
- [UnlockOptions.cpp](#)

6.69 ASApi::UnseedEvent Class Reference

```
#include <UnseedEvent.h>
```

Inherits [ASApi::SpaceEvent](#). Collaboration diagram for ASApi::UnseedEvent:



Public Member Functions

- [UnseedEvent](#) (const tibasSpaceEvent &event)
- [~UnseedEvent](#) ()

6.69.1 Detailed Description

Definition at line 10 of file UnseedEvent.h.

6.69.2 Constructor & Destructor Documentation

6.69.2.1 UnseedEvent::UnseedEvent (const tibasSpaceEvent & *event*)

Definition at line 8 of file UnseedEvent.cpp.

6.69.2.2 UnseedEvent::~UnseedEvent ()

Definition at line 14 of file UnseedEvent.cpp.

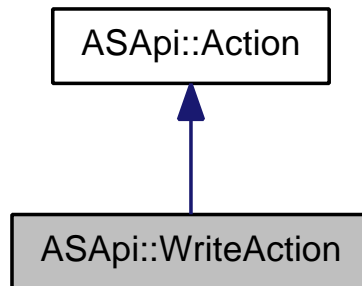
The documentation for this class was generated from the following files:

- [UnseedEvent.h](#)
- [UnseedEvent.cpp](#)

6.70 ASApi::WriteAction Class Reference

```
#include <WriteAction.h>
```

Inherits [ASApi::Action](#). Collaboration diagram for ASApi::WriteAction:



Public Member Functions

- [WriteAction](#) (const tibasAction &action)
- std::vector< [WriteOp](#) > [getOps](#) () const

6.70.1 Detailed Description

Definition at line 12 of file WriteAction.h.

6.70.2 Constructor & Destructor Documentation

6.70.2.1 WriteAction::WriteAction (const tibasAction & *action*)

Definition at line 9 of file WriteAction.cpp.

6.70.3 Member Function Documentation

6.70.3.1 vector< WriteOp > WriteAction::getOps () const

Definition at line 16 of file WriteAction.cpp.

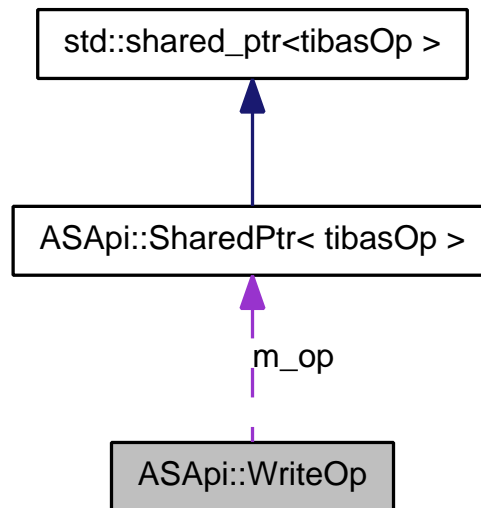
The documentation for this class was generated from the following files:

- [WriteAction.h](#)
- [WriteAction.cpp](#)

6.71 ASApi::WriteOp Class Reference

```
#include <WriteOp.h>
```

Inherited by [ASApi::PutOp](#), and [ASApi::TakeOp](#). Collaboration diagram for AS-Api::WriteOp:



Public Types

- typedef tibas_opType [Type](#)

Public Member Functions

- [WriteOp](#) ([SharedPtr](#)< tibasOp > &op)
- [~WriteOp](#) ()
- [Type](#) [getType](#) () const
- [Tuple](#) [getTuple](#) () const

Protected Attributes

- [SharedPtr](#)< tibasOp > [m_op](#)

6.71.1 Detailed Description

Definition at line 11 of file WriteOp.h.

6.71.2 Member Typedef Documentation

6.71.2.1 typedef tibas_opType ASApi::WriteOp::Type

Definition at line 14 of file WriteOp.h.

6.71.3 Constructor & Destructor Documentation

6.71.3.1 WriteOp::WriteOp (SharedPtr< tibasOp > & op)

Definition at line 10 of file WriteOp.cpp.

6.71.3.2 WriteOp::~WriteOp ()

Definition at line 17 of file WriteOp.cpp.

6.71.4 Member Function Documentation

6.71.4.1 Tuple WriteOp::getTuple () const

Definition at line 30 of file WriteOp.cpp.

6.71.4.2 WriteOp::Type WriteOp::getType () const

Definition at line 22 of file WriteOp.cpp.

6.71.5 Member Data Documentation

6.71.5.1 SharedPtr<tibasOp> ASApi::WriteOp::m_op [protected]

Definition at line 22 of file WriteOp.h.

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

- [WriteOp.h](#)
- [WriteOp.cpp](#)

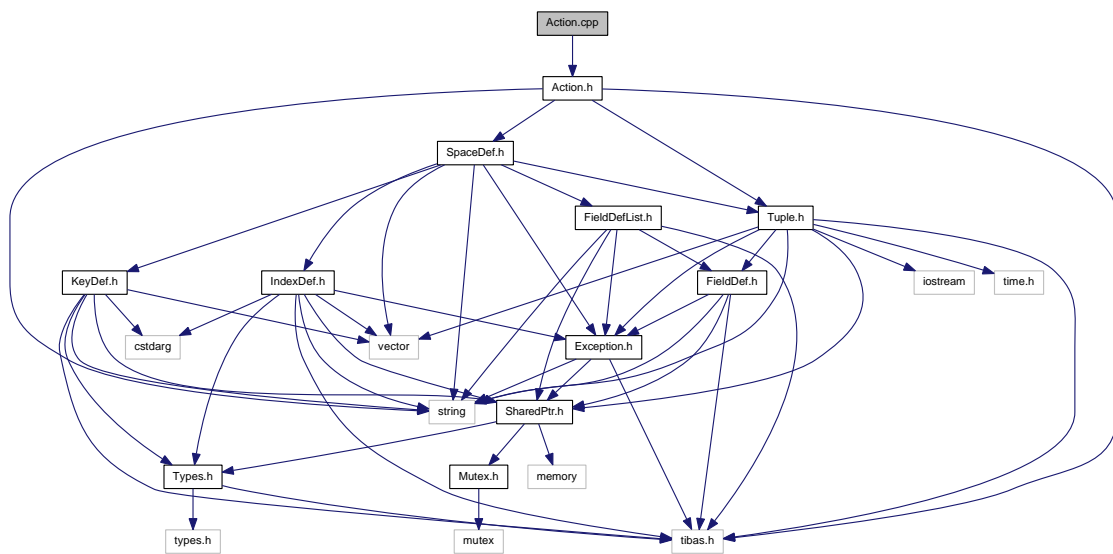
Chapter 7

File Documentation

7.1 Action.cpp File Reference

```
#include "Action.h"
```

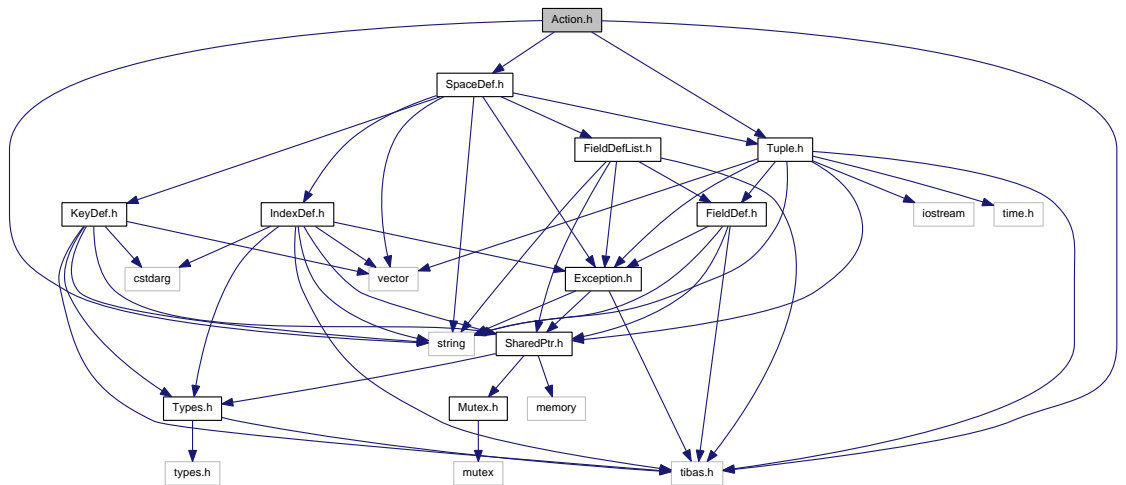
Include dependency graph for Action.cpp:



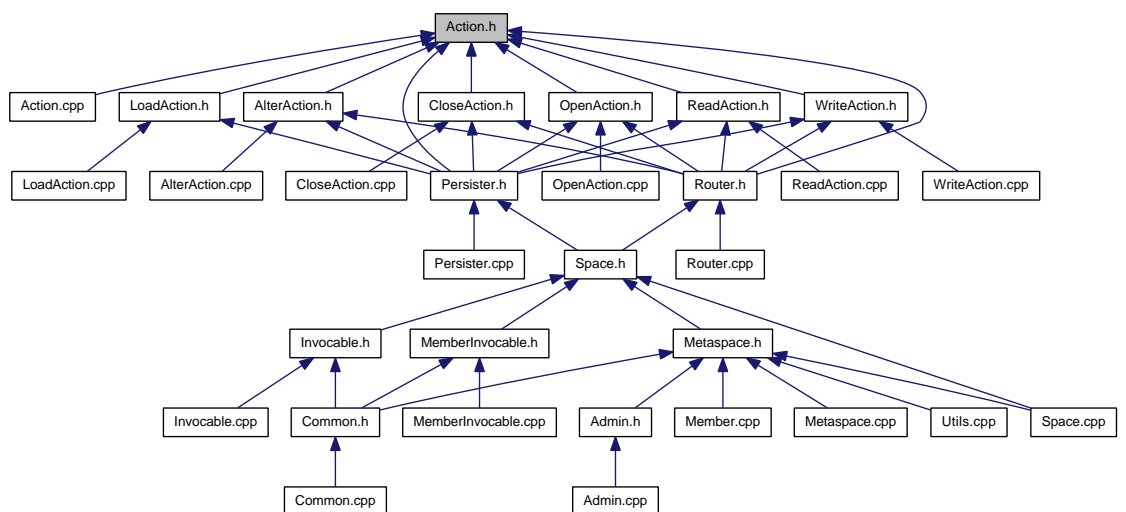
7.2 Action.h File Reference

```
#include <string>
#include "tibas.h"
#include "Tuple.h"
#include "SpaceDef.h"
```

Include dependency graph for Action.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Action](#)

Namespaces

- namespace [ASApi](#)

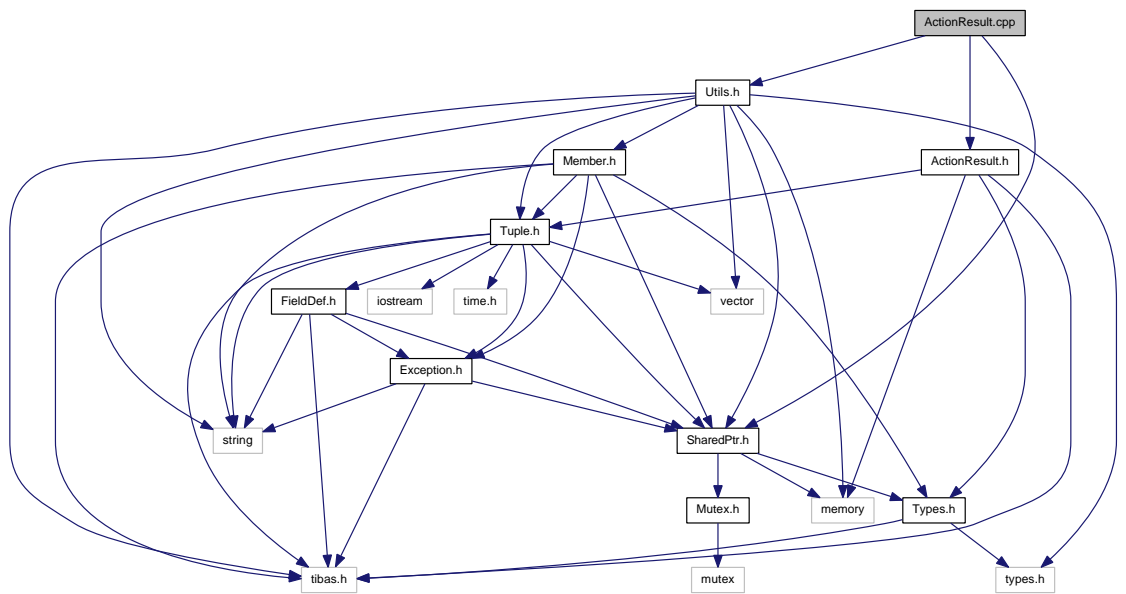
7.3 ActionResult.cpp File Reference

```
#include "ActionResult.h"
```

```
#include "Utils.h"
```

```
#include "SharedPtr.h"
```

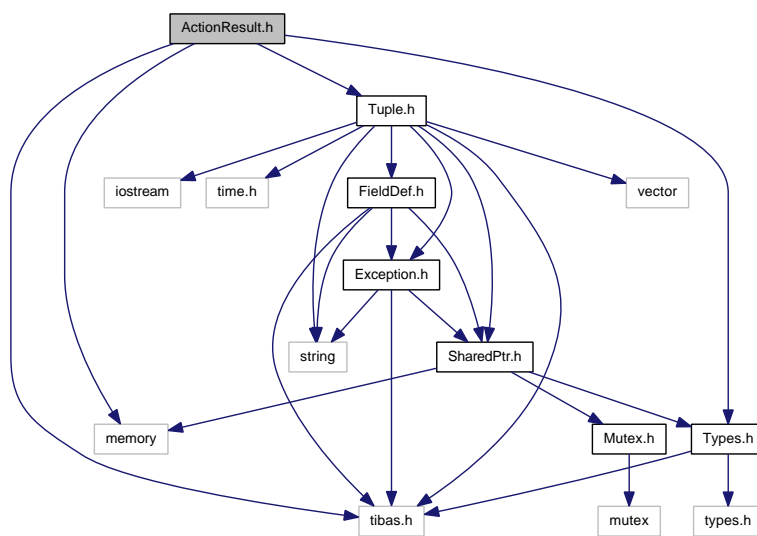
Include dependency graph for ActionResult.cpp:



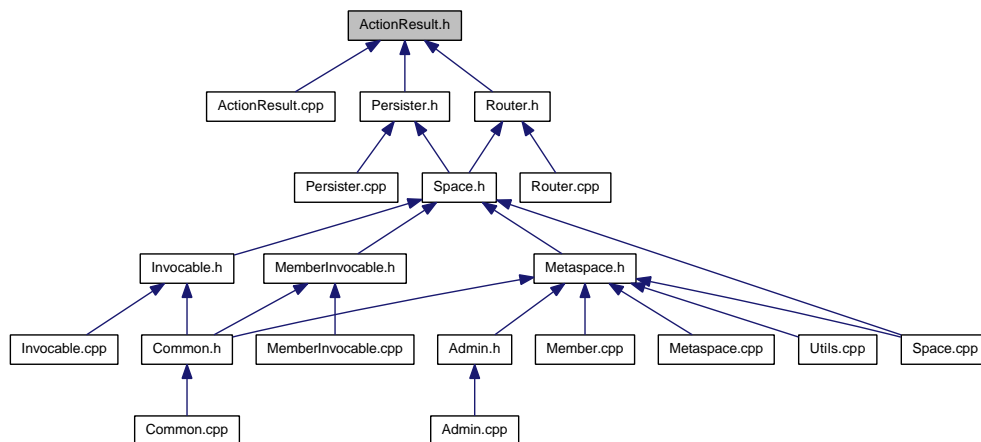
7.4 ActionResult.h File Reference

```
#include <memory>
#include "tibas.h"
#include "Tuple.h"
#include "Types.h"
```

Include dependency graph for ActionResult.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ActionResult](#)

Namespaces

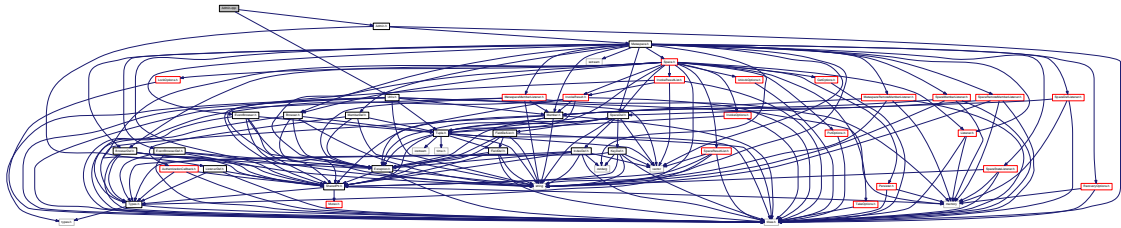
- namespace [ASApi](#)

7.5 Admin.cpp File Reference

```
#include "Admin.h"
```

```
#include "Utils.h"
```

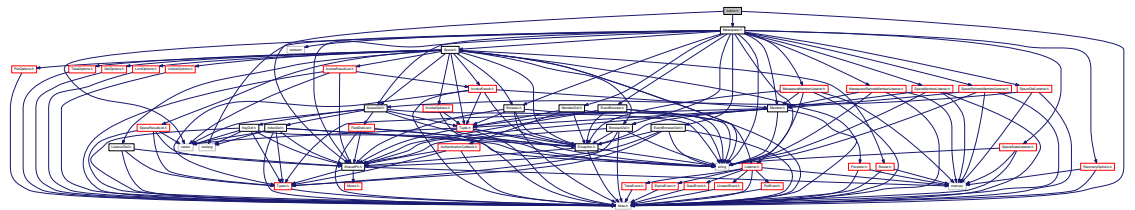
Include dependency graph for Admin.cpp:



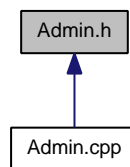
7.6 Admin.h File Reference

```
#include "tibas.h"  
#include "Metaspace.h"  
#include "SharedPtr.h"
```

Include dependency graph for Admin.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Admin](#)

Namespaces

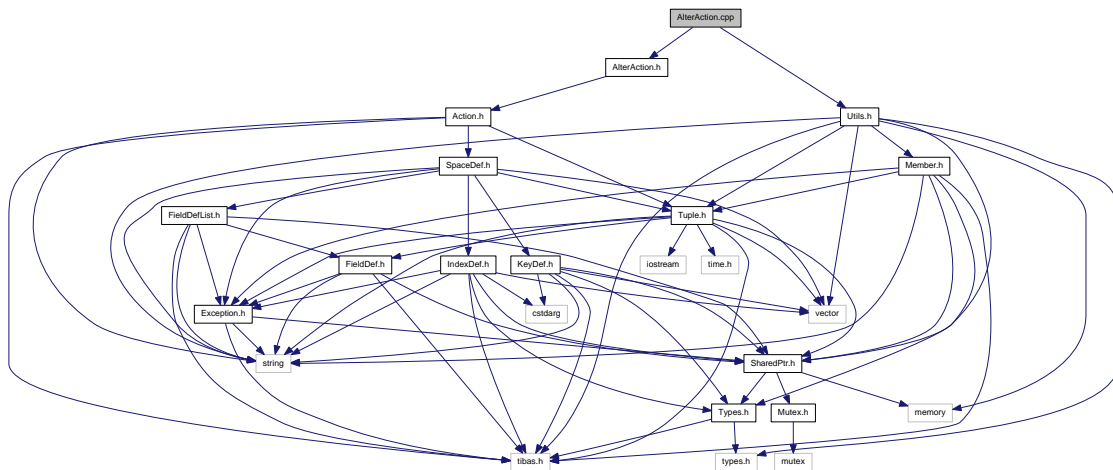
- namespace [ASApi](#)

7.7 AlterAction.cpp File Reference

```
#include "AlterAction.h"
```

```
#include "Utils.h"
```

Include dependency graph for AlterAction.cpp:



```
#include "Action.h"
```

```

graph BT
    AlterAction.h[AlterAction.h] --> AlterAction.cpp[AlterAction.cpp]
    AlterAction.h --> Persister.h[Persister.h]
    AlterAction.h --> Router.h[Router.h]
    Persister.h --> Persister.cpp[Persister.cpp]
    Router.h --> Persister.cpp
    Router.h --> Space.h[Space.h]
    Persister.cpp --> Space.h
    Space.h --> Router.cpp[Router.cpp]
    Space.h --> Invocable.h[Invocable.h]
    Space.h --> MemberInvocable.h[MemberInvocable.h]
    Space.h --> Metaspaces.h[Metaspaces.h]
    Invocable.h --> Invocable.cpp[Invocable.cpp]
    Invocable.h --> Common.h[Common.h]
    MemberInvocable.h --> Common.h
    MemberInvocable.h --> MemberInvocable.cpp[MemberInvocable.cpp]
    Metaspaces.h --> Admin.h[Admin.h]
    Metaspaces.h --> Member.cpp[Member.cpp]
    Metaspaces.h --> Metaspaces.cpp[Metaspaces.cpp]
    Metaspaces.h --> Utils.cpp[Utils.cpp]
    Metaspaces.h --> Space.cpp[Space.cpp]
    Admin.h --> Admin.cpp[Admin.cpp]
    Common.cpp[Common.cpp] --> Common.h
  
```

- class `ASApi::AlterAction`

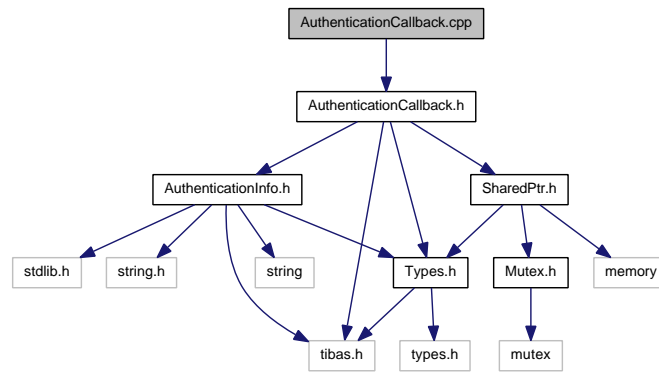
Namespaces

- namespace [ASApi](#)

7.9 AuthenticationCallback.cpp File Reference

```
#include "AuthenticationCallback.h"
```

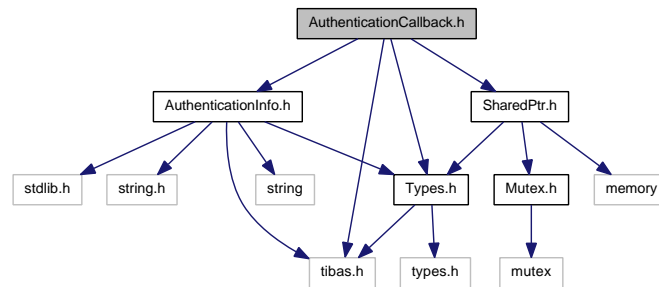
Include dependency graph for AuthenticationCallback.cpp:



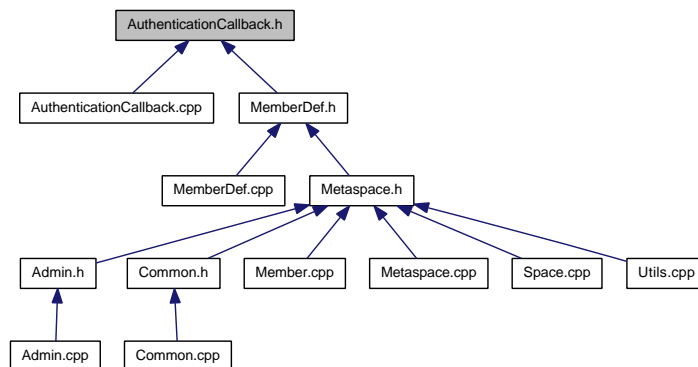
7.10 AuthenticationCallback.h File Reference

```
#include "SharedPtr.h"
#include "tibas.h"
#include "AuthenticationInfo.h"
#include "Types.h"
```

Include dependency graph for AuthenticationCallback.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::AuthenticationCallback](#)
- struct [ASApi::AuthenticationCallback::CClosure](#)

Namespaces

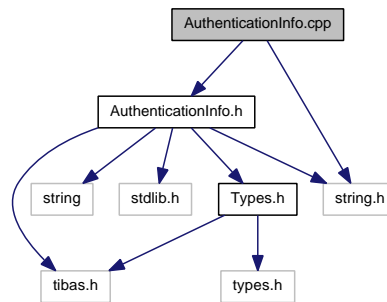
- namespace [ASApi](#)

7.11 AuthenticationInfo.cpp File Reference

```
#include "AuthenticationInfo.h"
```

```
#include <string.h>
```

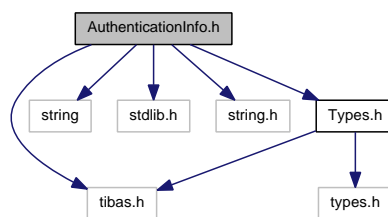
Include dependency graph for AuthenticationInfo.cpp:



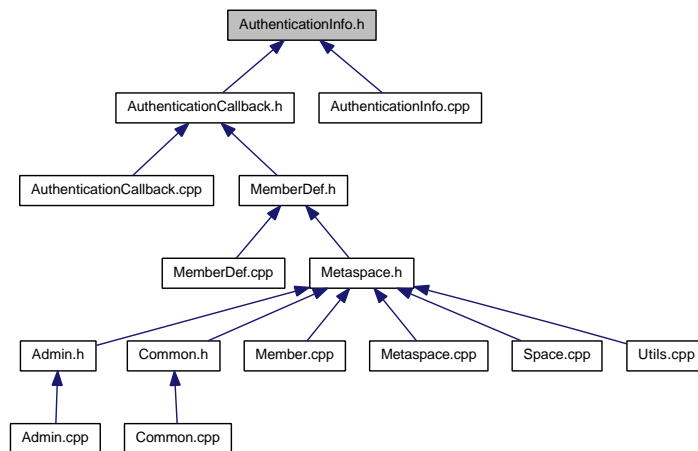
7.12 AuthenticationInfo.h File Reference

```
#include "tibas.h"
#include <string>
#include <stdlib.h>
#include <string.h>
#include "Types.h"
```

Include dependency graph for AuthenticationInfo.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::AuthenticationInfo](#)

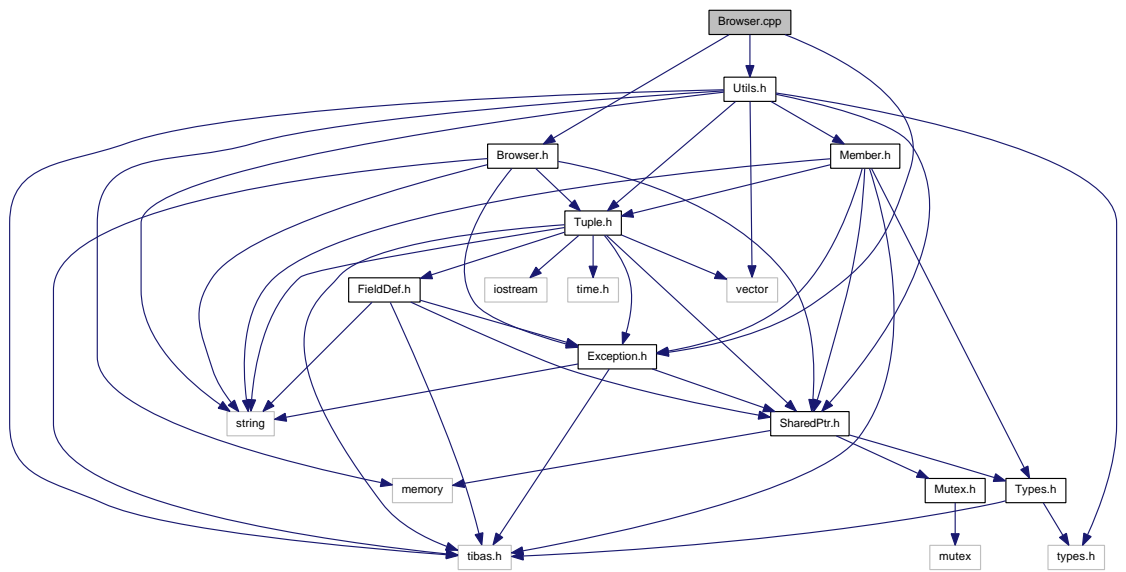
Namespaces

- namespace [ASApi](#)

7.13 Browser.cpp File Reference

```
#include "Browser.h"
#include "Exception.h"
#include "Utils.h"
```

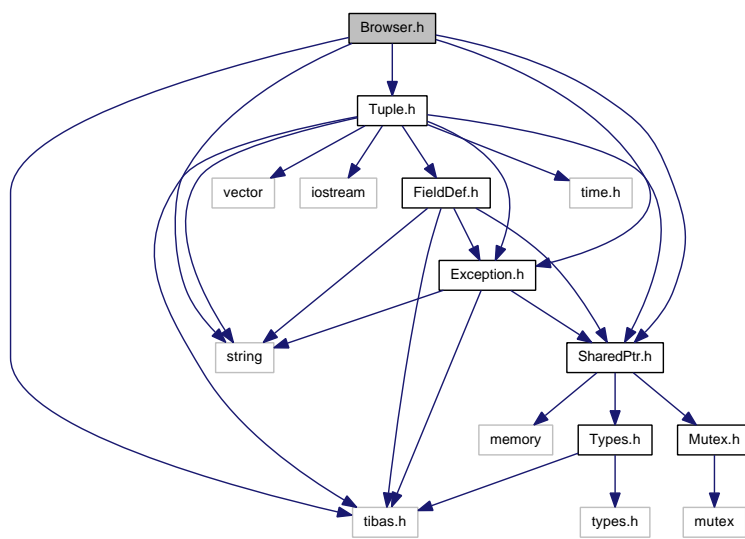
Include dependency graph for Browser.cpp:



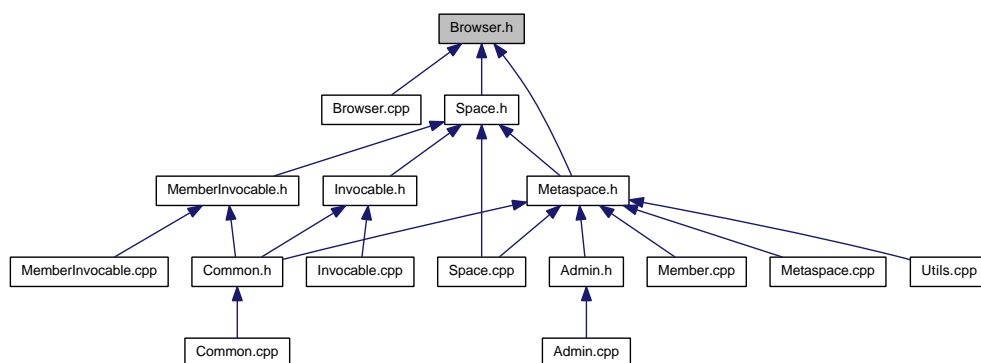
7.14 Browser.h File Reference

```
#include <string>
#include "SharedPtr.h"
#include "tibas.h"
#include "Exception.h"
#include "Tuple.h"
```

Include dependency graph for Browser.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Browser](#)

Namespaces

- namespace [ASApi](#)

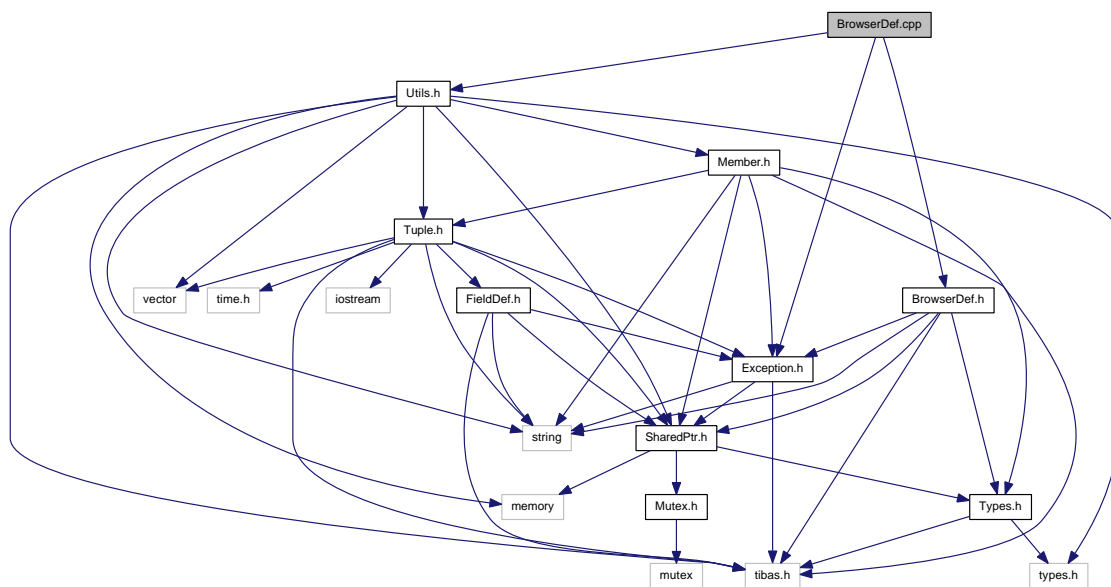
7.15 BrowserDef.cpp File Reference

```
#include "BrowserDef.h"
```

```
#include "Exception.h"
```

```
#include "Utils.h"
```

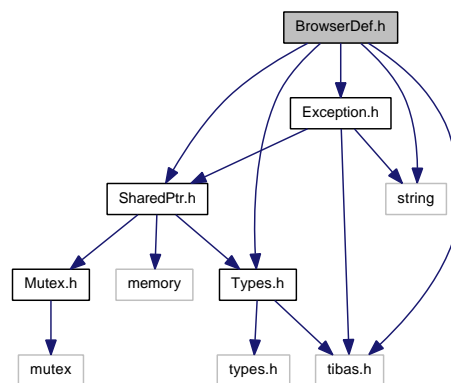
Include dependency graph for BrowserDef.cpp:



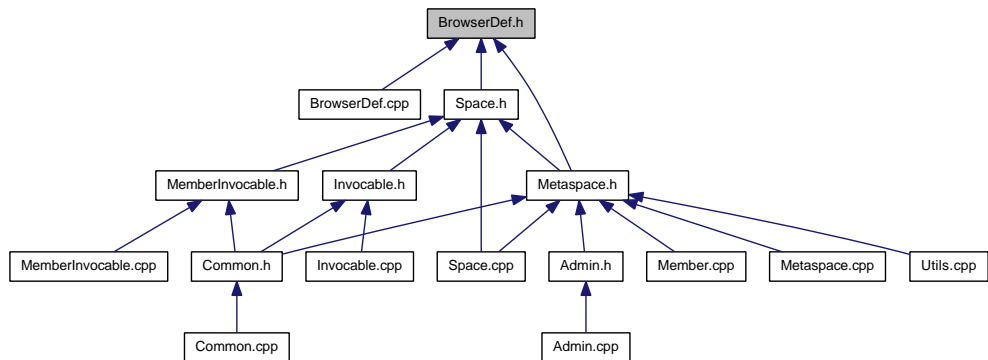
7.16 BrowserDef.h File Reference

```
#include <string>
#include "SharedPtr.h"
#include "tibas.h"
#include "Exception.h"
#include "Types.h"
```

Include dependency graph for BrowserDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::BrowserDef](#)

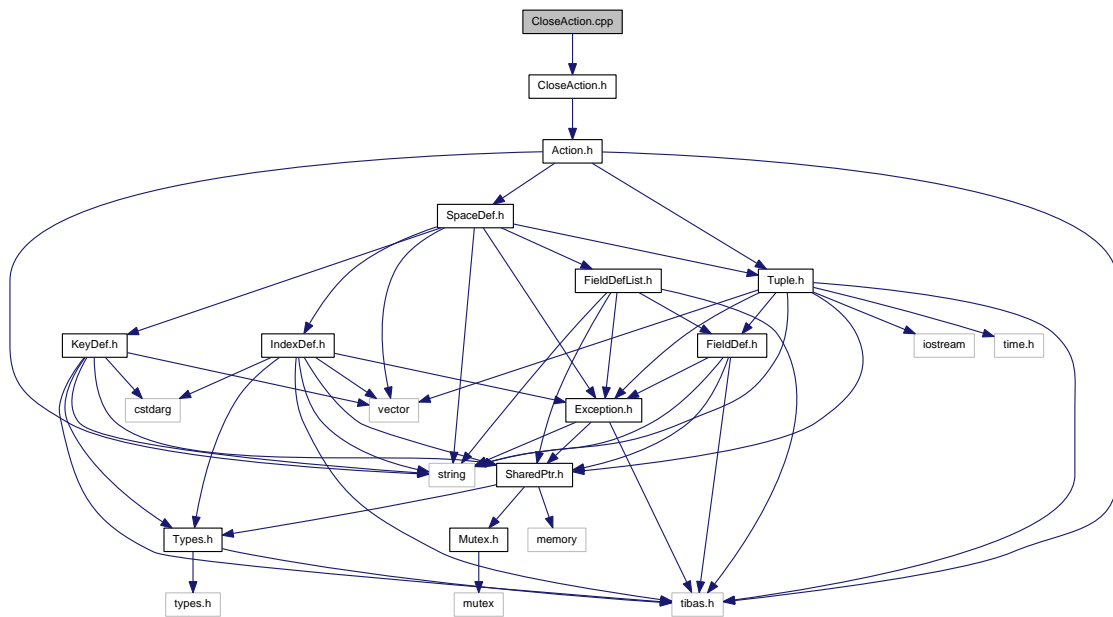
Namespaces

- namespace [ASApi](#)

7.17 CloseAction.cpp File Reference

```
#include "CloseAction.h"
```

Include dependency graph for CloseAction.cpp:



```
#include "Action.h"
```

```

graph BT
    CloseAction.h[CloseAction.h]
    CloseAction.cpp[CloseAction.cpp]
    Persister.h[Persister.h]
    Router.h[Router.h]
    Persister.cpp[Persister.cpp]
    Space.h[Space.h]
    Router.cpp[Router.cpp]
    Invocable.h[Invocable.h]
    MemberInvocable.h[MemberInvocable.h]
    Metaspace.h[Metaspace.h]
    Invocable.cpp[Invocable.cpp]
    Common.h[Common.h]
    MemberInvocable.cpp[MemberInvocable.cpp]
    Admin.h[Admin.h]
    Member.cpp[Member.cpp]
    Metaspace.cpp[Metaspace.cpp]
    Utils.cpp[Utils.cpp]
    Space.cpp[Space.cpp]
    Common.cpp[Common.cpp]
    Admin.cpp[Admin.cpp]

    CloseAction.h --> CloseAction.cpp
    CloseAction.h --> Persister.h
    CloseAction.h --> Router.h
    Persister.h --> Persister.cpp
    Router.h --> Persister.cpp
    Router.h --> Router.cpp
    Persister.h --> Space.h
    Router.h --> Space.h
    Space.h --> Invocable.h
    Space.h --> MemberInvocable.h
    Space.h --> Metaspace.h
    Invocable.h --> Invocable.cpp
    Invocable.h --> Common.h
    MemberInvocable.h --> Common.h
    MemberInvocable.h --> MemberInvocable.cpp
    Metaspace.h --> Admin.h
    Metaspace.h --> Member.cpp
    Metaspace.h --> Metaspace.cpp
    Metaspace.h --> Utils.cpp
    Metaspace.h --> Space.cpp
    Common.h --> Common.cpp
    Admin.h --> Admin.cpp
  
```

- class `ASApi::CloseAction`

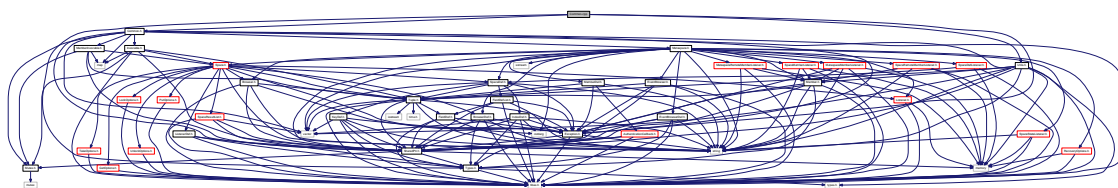
Namespaces

- namespace [ASApi](#)

7.19 Common.cpp File Reference

```
#include "Common.h"  
#include "Exception.h"  
#include "Utils.h"  
#include "Types.h"
```

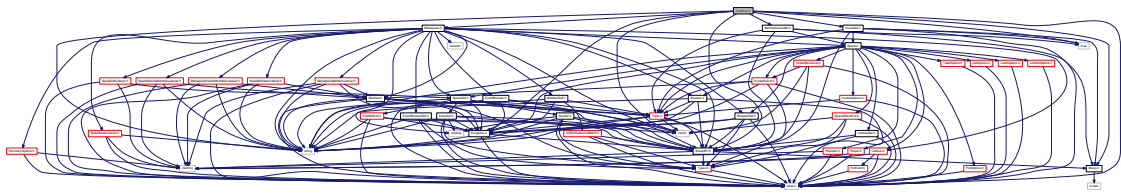
Include dependency graph for Common.cpp:



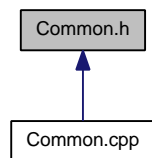
7.20 Common.h File Reference

```
#include <string>
#include <vector>
#include <map>
#include "tibas.h"
#include "Exception.h"
#include "Metaspace.h"
#include "Invocable.h"
#include "MemberInvocable.h"
#include "Mutex.h"
#include "SharedPtr.h"
```

Include dependency graph for Common.h:



This graph shows which files directly or indirectly include this file:



Namespaces

- namespace [ASApi](#)
- namespace [ASApi::Common](#)

Functions

- void AS_CPP_API [ASApi::Common::setLogLevel](#) (const LogLevel &logLevel)
- void AS_CPP_API [ASApi::Common::setSecurityLogLevel](#) (const LogLevel &logLevel)
- LogLevel AS_CPP_API [ASApi::Common::getLogLevel](#) ()

- LogLevel AS_CPP_API [ASApi::Common::getSecurityLogLevel](#) ()
- void AS_CPP_API [ASApi::Common::setFileLogging](#) (const LogLevel &logLevel)
- void AS_CPP_API [ASApi::Common::setFileLogging](#) (const std::string &fileName, const LogLevel &logLevel)
- void AS_CPP_API [ASApi::Common::setFileLogging](#) (const std::string &logDir, const std::string &fileName, const LogLevel &logLevel)
- void AS_CPP_API [ASApi::Common::setEventLogging](#) (const std::string &fileName, const LogLevel &logLevel)
- [Metaspace](#) AS_CPP_API [ASApi::Common::getMetaspace](#) (const std::string &metaspaceName)
- [Metaspace](#) AS_CPP_API [ASApi::Common::connectMetaspace](#) (const std::string &metaspaceName, const [MemberDef](#) &memberDef)
- std::vector< std::string > AS_CPP_API [ASApi::Common::getMetaspaceNames](#) ()
- void AS_CPP_API [ASApi::Common::setInvocable](#) (const std::string &alias, Invocable::Creator creator)
- void AS_CPP_API [ASApi::Common::setInvocable](#) (const std::string &alias, [SharedPtr](#)< [Invocable](#) > invocable)
- void AS_CPP_API [ASApi::Common::setMemberInvocable](#) (const std::string &alias, MemberInvocable::Creator creator)
- void AS_CPP_API [ASApi::Common::setMemberInvocable](#) (const std::string &alias, [SharedPtr](#)< [MemberInvocable](#) > memberInvocable)
- std::vector< std::string > AS_CPP_API [ASApi::Common::getInvocableAliases](#) ()
- std::vector< std::string > AS_CPP_API [ASApi::Common::getMemberInvocableAliases](#) ()
- void AS_CPP_API [ASApi::Common::removeInvocable](#) (const std::string &alias)
- void AS_CPP_API [ASApi::Common::removeMemberInvocable](#) (const std::string &alias)

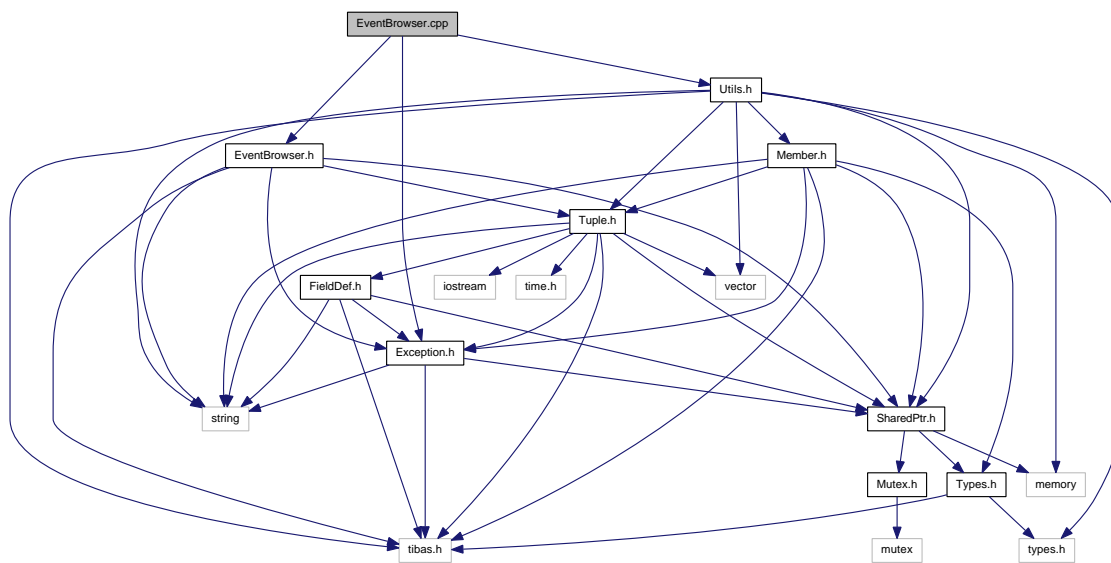
7.21 EventBrowser.cpp File Reference

```
#include "EventBrowser.h"
```

```
#include "Exception.h"
```

```
#include "Utils.h"
```

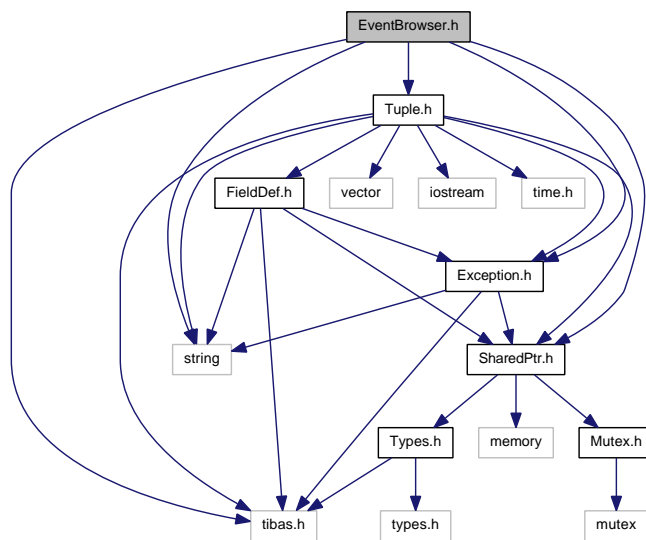
Include dependency graph for EventBrowser.cpp:



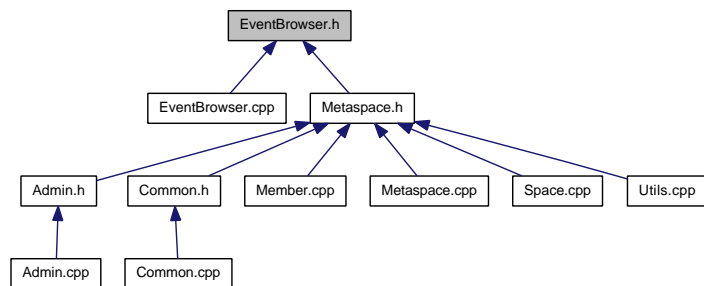
7.22 EventBrowser.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "Tuple.h"
#include "SharedPtr.h"
```

Include dependency graph for EventBrowser.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::EventBrowser](#)

Namespaces

- namespace [ASApi](#)

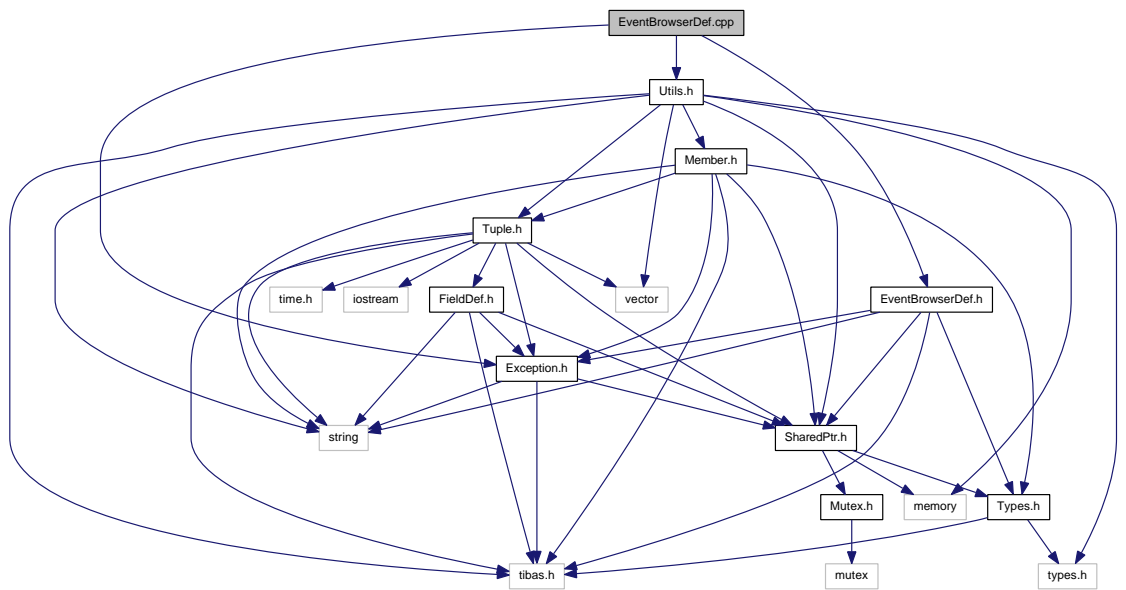
7.23 EventBrowserDef.cpp File Reference

```
#include "EventBrowserDef.h"
```

```
#include "Exception.h"
```

```
#include "Utils.h"
```

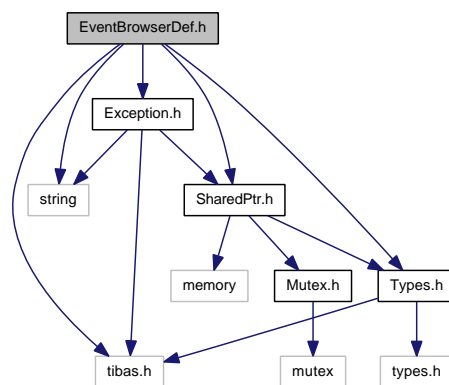
Include dependency graph for EventBrowserDef.cpp:



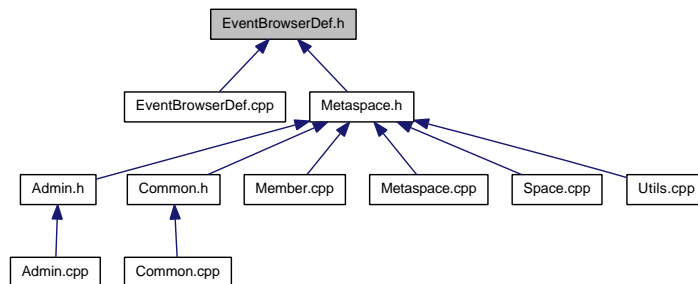
7.24 EventBrowserDef.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "Types.h"
#include "SharedPtr.h"
```

Include dependency graph for EventBrowserDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::EventBrowserDef](#)

Namespaces

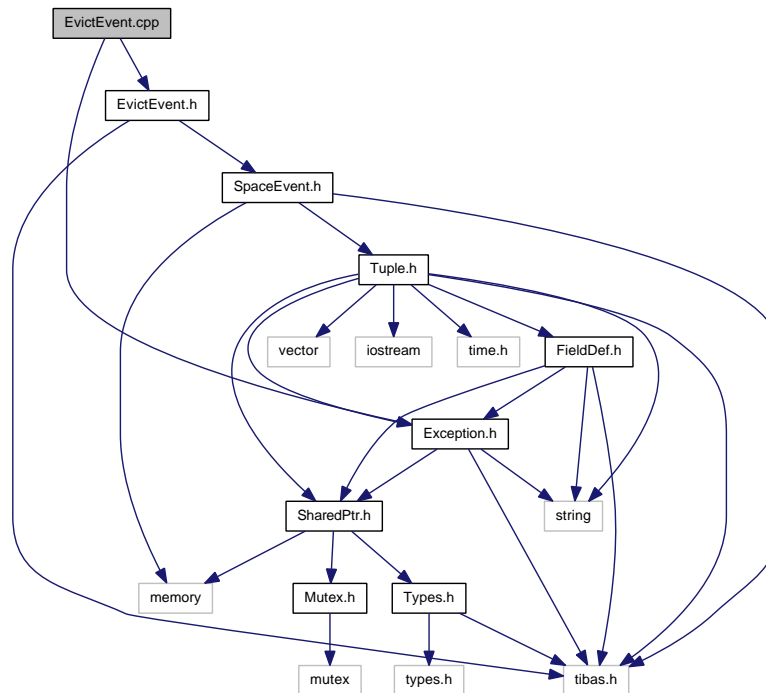
- namespace [ASApi](#)

7.25 EvictEvent.cpp File Reference

```
#include "EvictEvent.h"
```

```
#include "Exception.h"
```

Include dependency graph for EvictEvent.cpp:

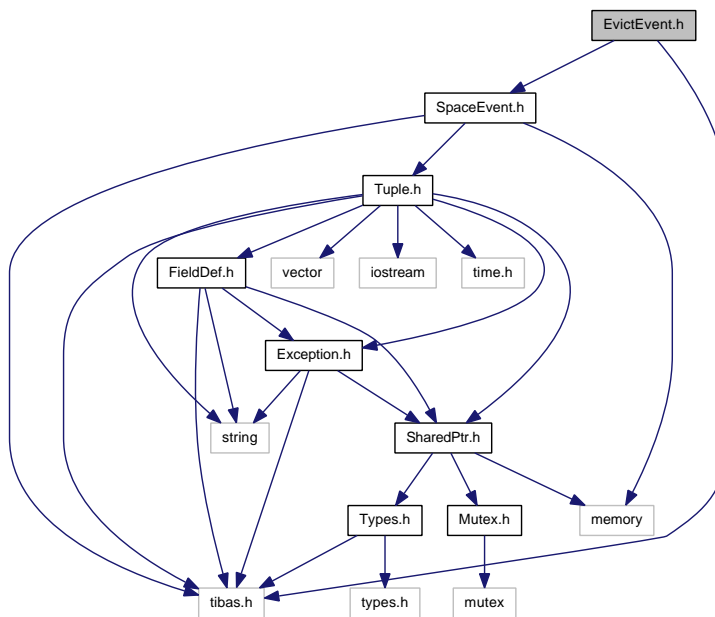


7.26 EvictEvent.h File Reference

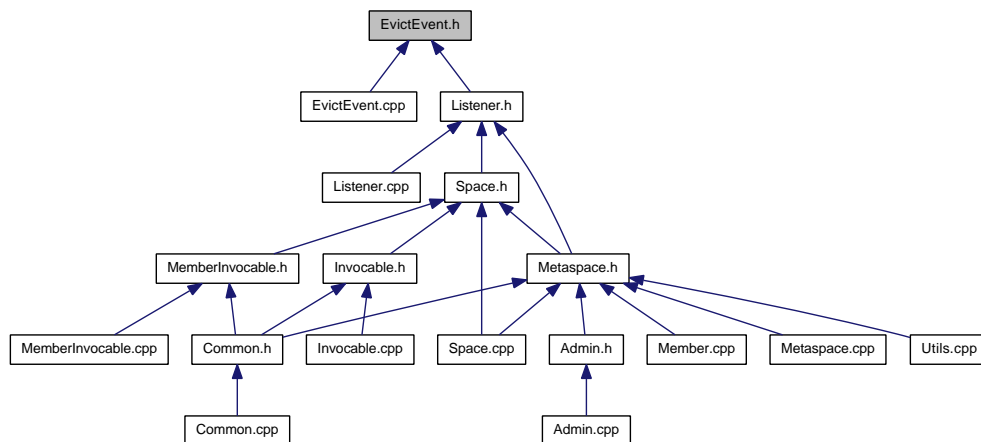
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for EvictEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::EvictEvent](#)

Namespaces

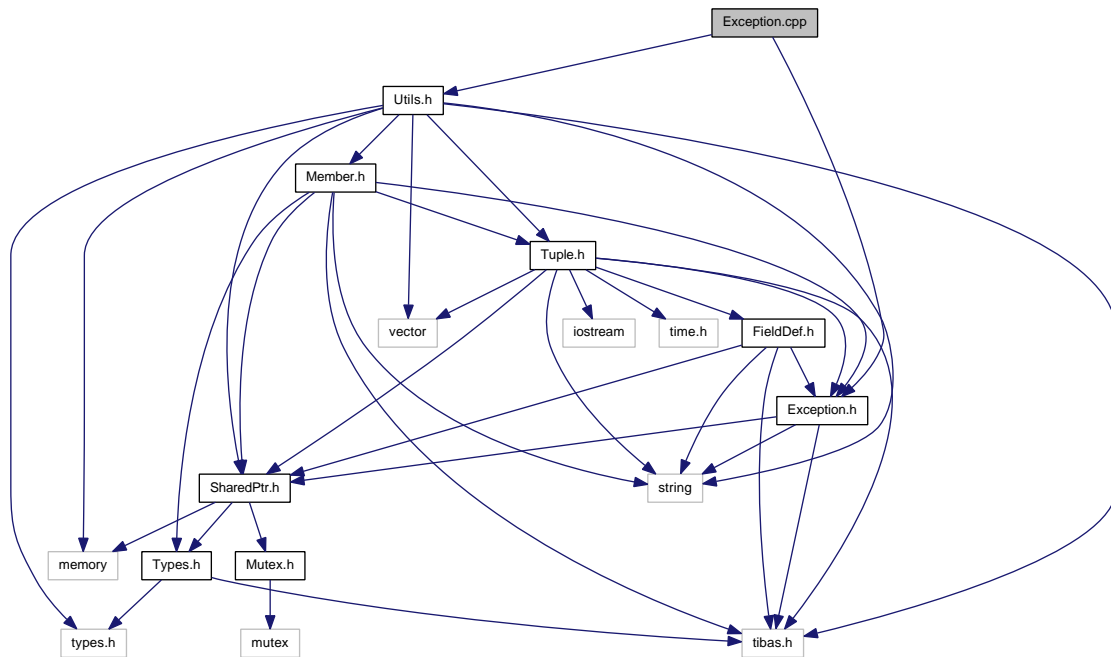
- namespace [ASApi](#)

7.27 Exception.cpp File Reference

```
#include "Exception.h"
```

```
#include "Utils.h"
```

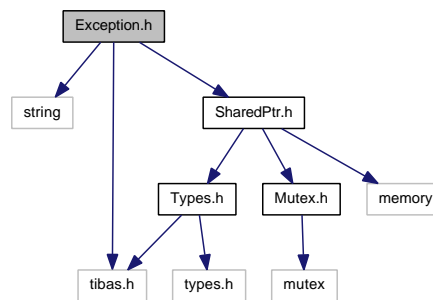
Include dependency graph for Exception.cpp:



7.28 Exception.h File Reference

```
#include <string>
#include "tibas.h"
#include "SharedPtr.h"
```

Include dependency graph for Exception.h:



Classes

- class [ASApi::Exception](#)

Namespaces

- namespace [ASApi](#)

Defines

- #define [AS_CALL](#)(statement)

7.28.1 Define Documentation

7.28.1.1 #define AS_CALL(statement)

Value:

```
{ \
    tibas_status status = statement; \
    if (status != TIBAS_OK) \
    { \
        throw ASApi::Exception(status); \
    } \
}
```

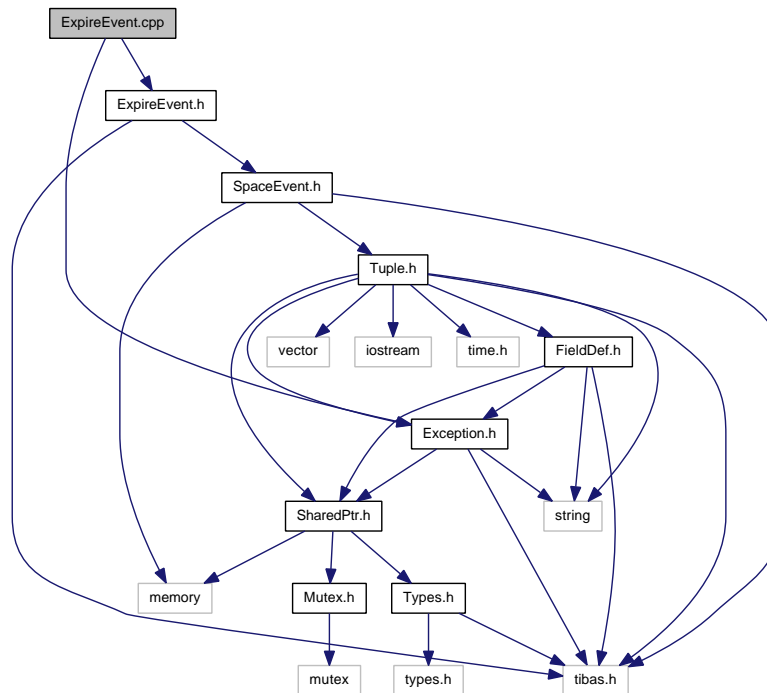
Definition at line 9 of file Exception.h.

7.29 ExpireEvent.cpp File Reference

```
#include "ExpireEvent.h"
```

```
#include "Exception.h"
```

Include dependency graph for ExpireEvent.cpp:

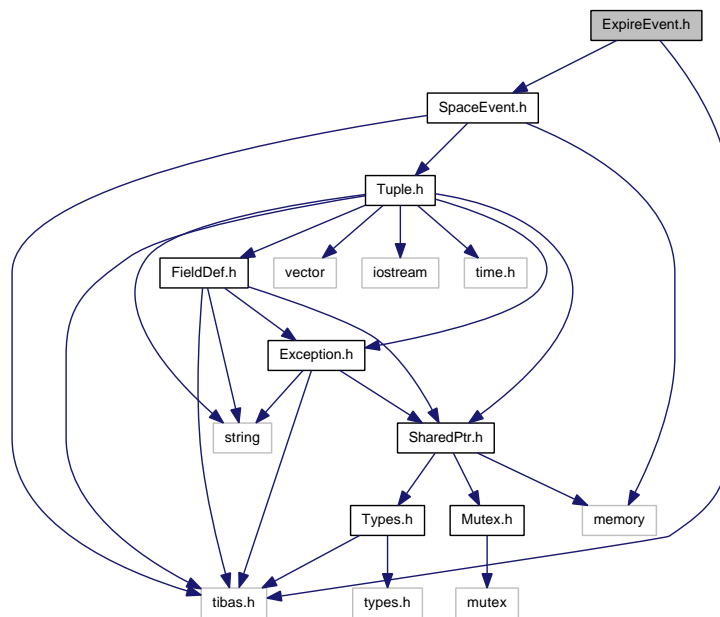


7.30 ExpireEvent.h File Reference

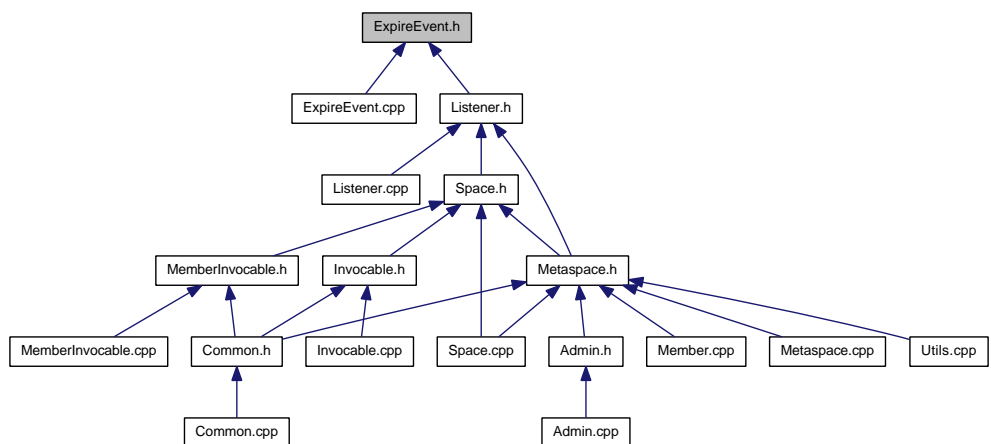
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for ExpireEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ExpireEvent](#)

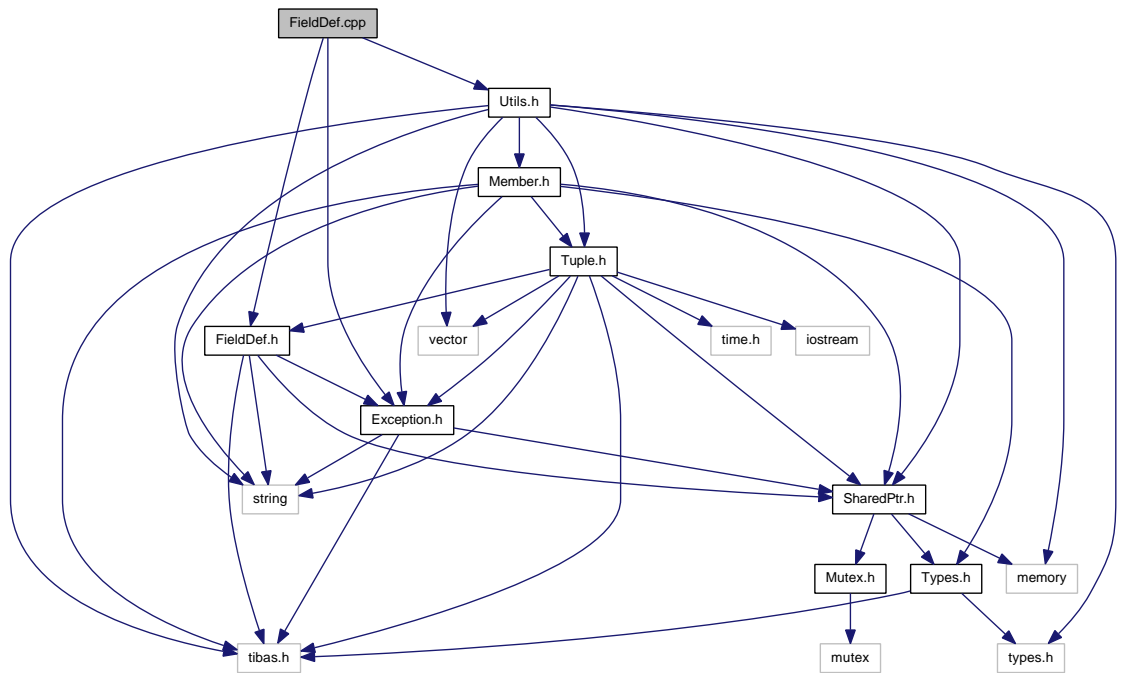
Namespaces

- namespace [ASApi](#)

7.31 FieldDef.cpp File Reference

```
#include "FieldDef.h"
#include "Exception.h"
#include "Utils.h"
```

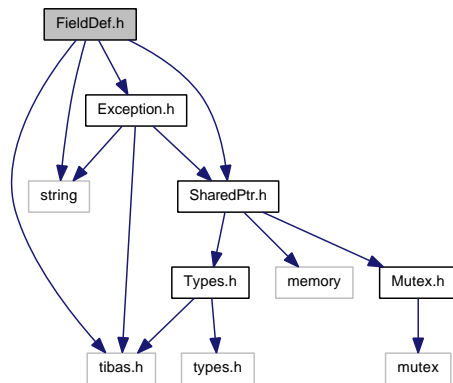
Include dependency graph for FieldDef.cpp:



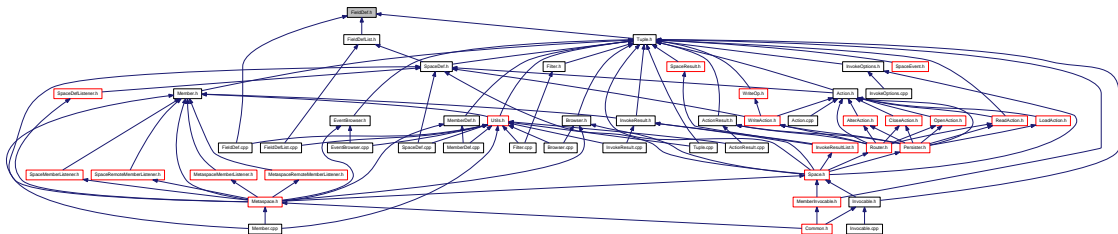
7.32 FieldDef.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "SharedPtr.h"
```

Include dependency graph for FieldDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::FieldDef](#)

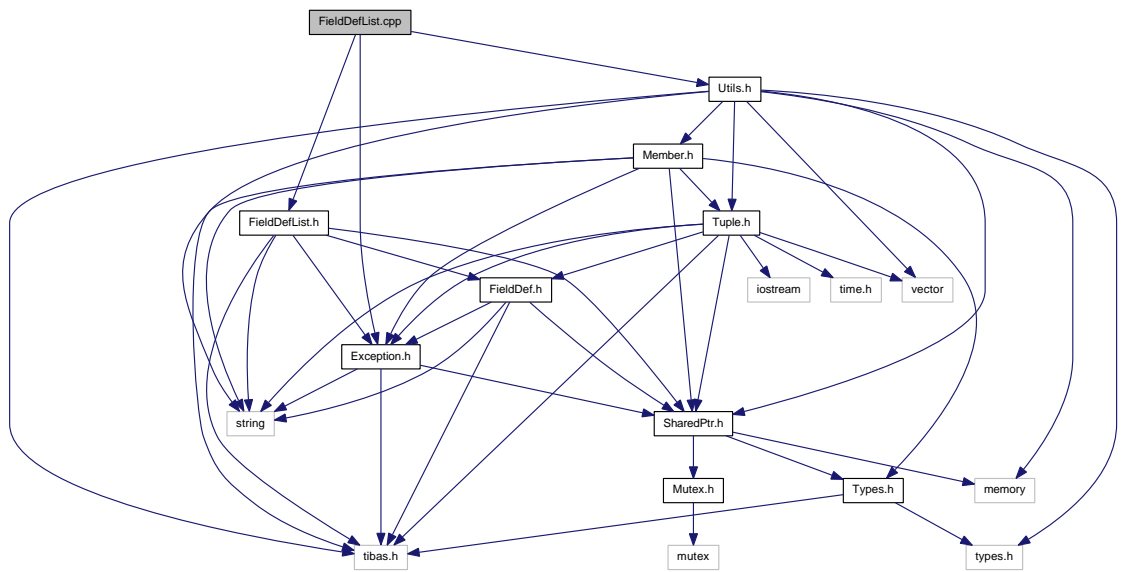
Namespaces

- namespace [ASApi](#)

7.33 FieldDefList.cpp File Reference

```
#include "FieldDefList.h"
#include "Exception.h"
#include "Utils.h"
```

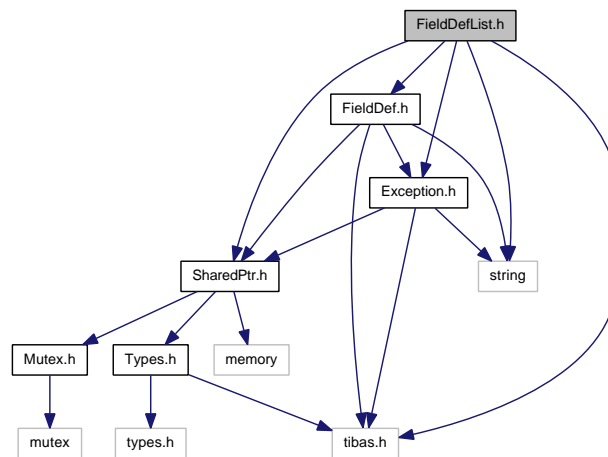
Include dependency graph for FieldDefList.cpp:



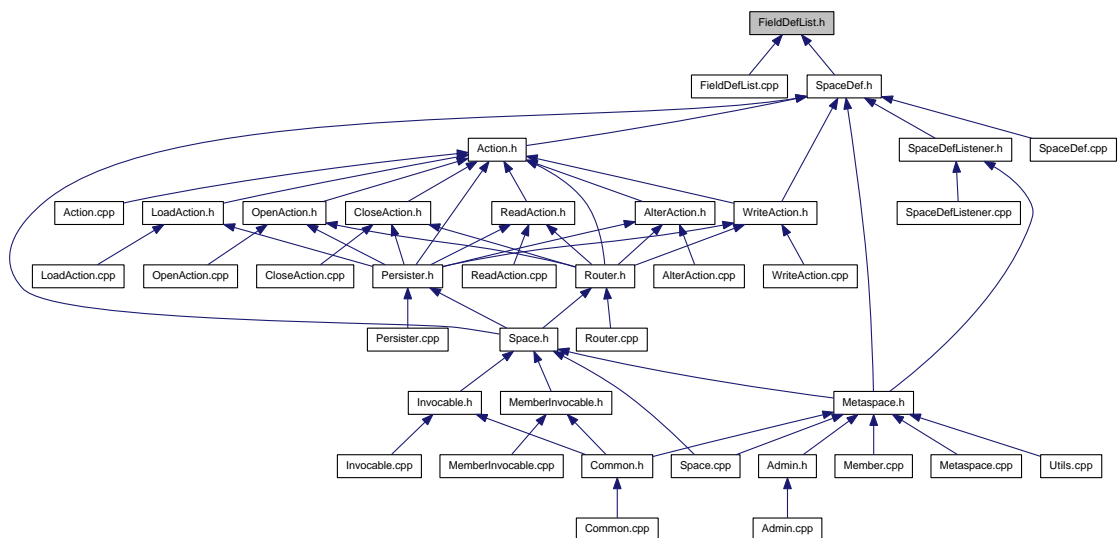
7.34 FieldDefList.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "FieldDef.h"
#include "SharedPtr.h"
```

Include dependency graph for FieldDefList.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::FieldDefList](#)

Namespaces

- namespace [ASApi](#)

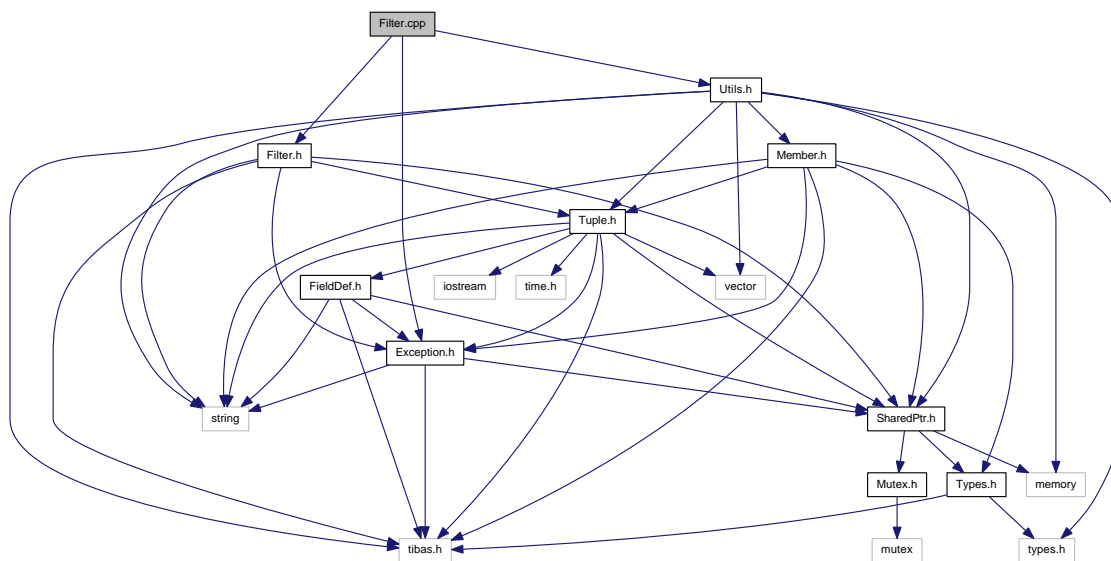
7.35 Filter.cpp File Reference

```
#include "Filter.h"
```

```
#include "Exception.h"
```

```
#include "Utils.h"
```

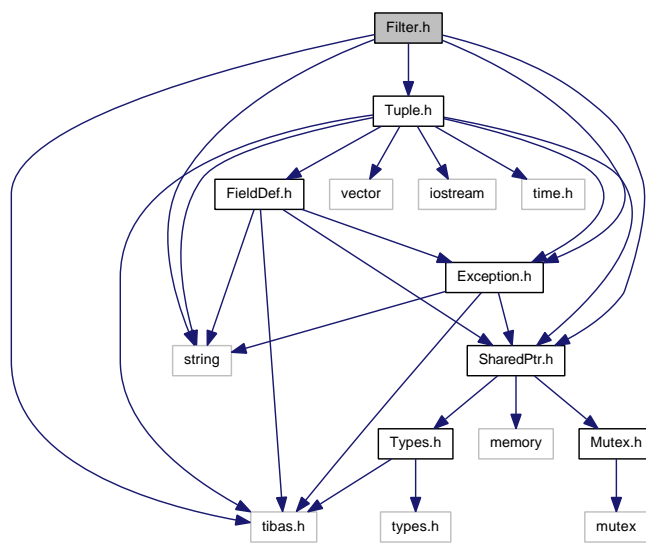
Include dependency graph for Filter.cpp:



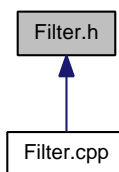
7.36 Filter.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "Tuple.h"
#include "SharedPtr.h"
```

Include dependency graph for Filter.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Filter](#)

Namespaces

- namespace [ASApi](#)

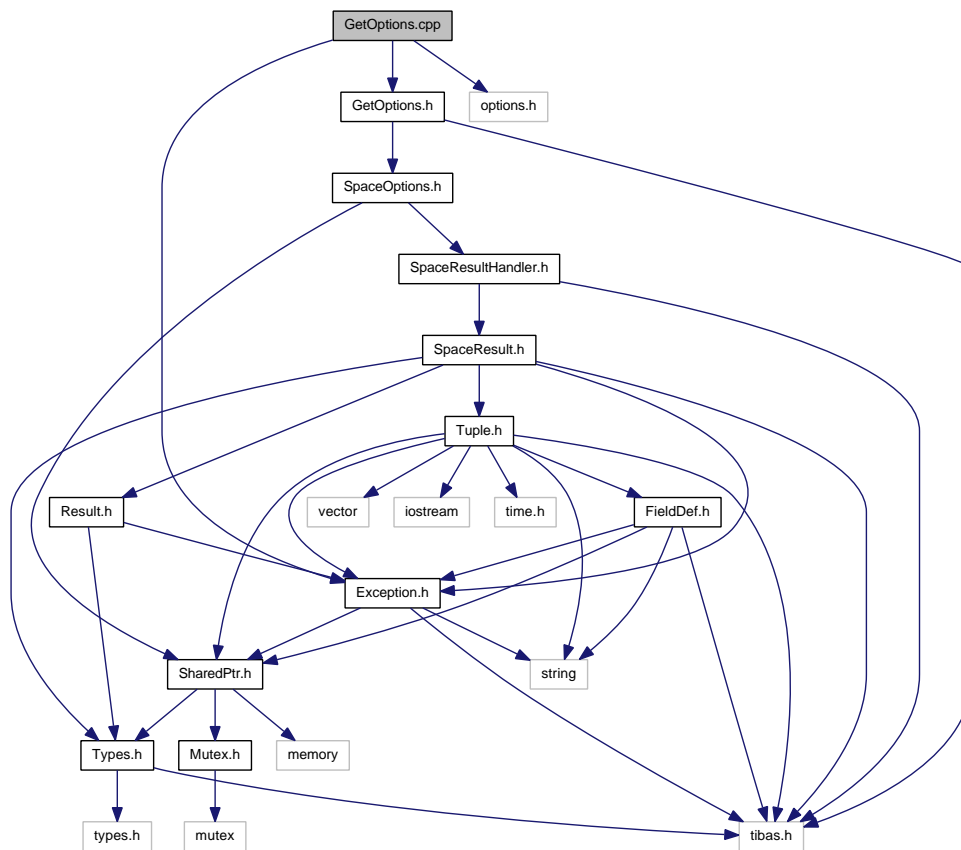
7.37 GetOptions.cpp File Reference

```
#include "GetOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for GetOptions.cpp:

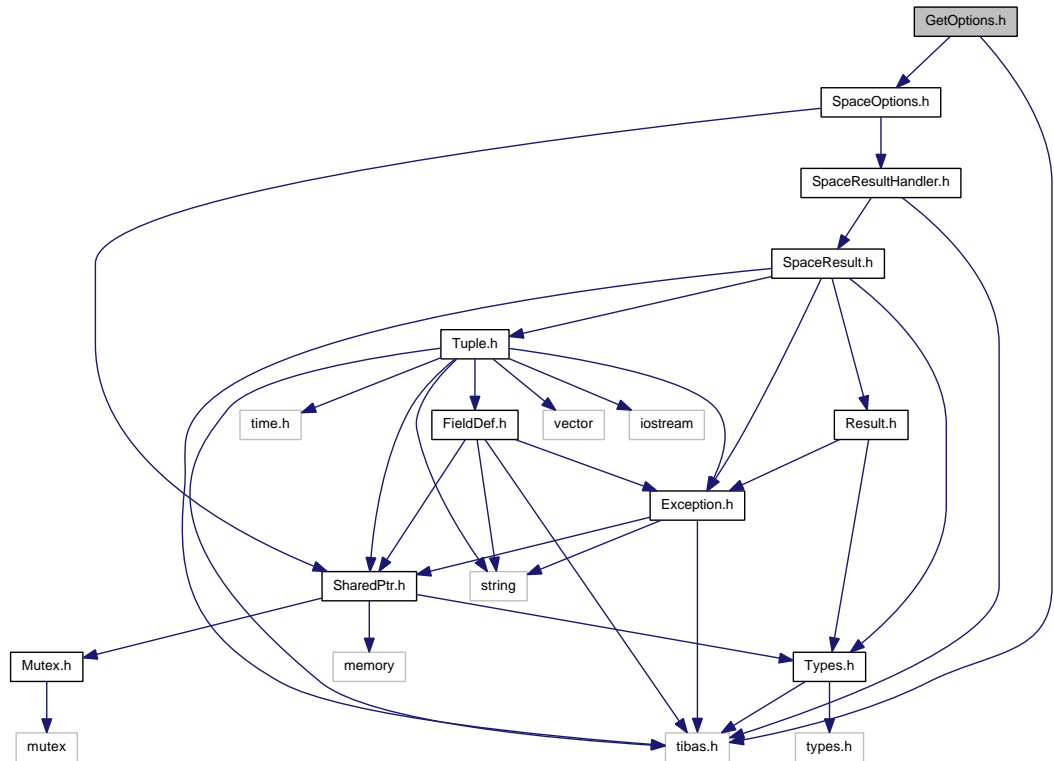


7.38 GetOptions.h File Reference

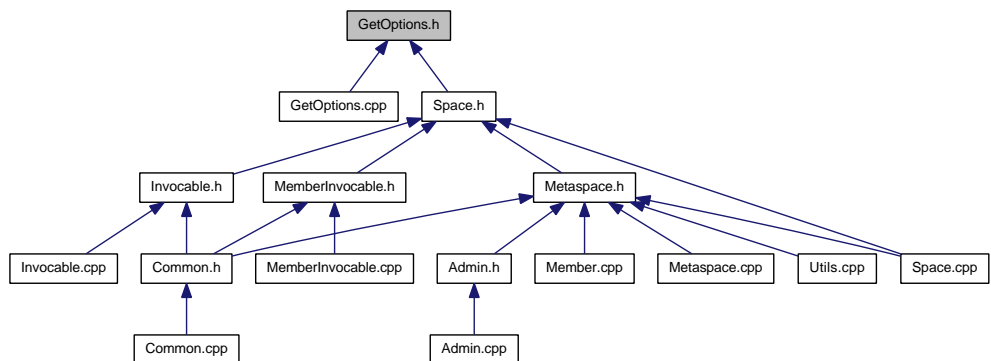
```
#include "tibas.h"
```

```
#include "SpaceOptions.h"
```

Include dependency graph for GetOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::GetOptions](#)

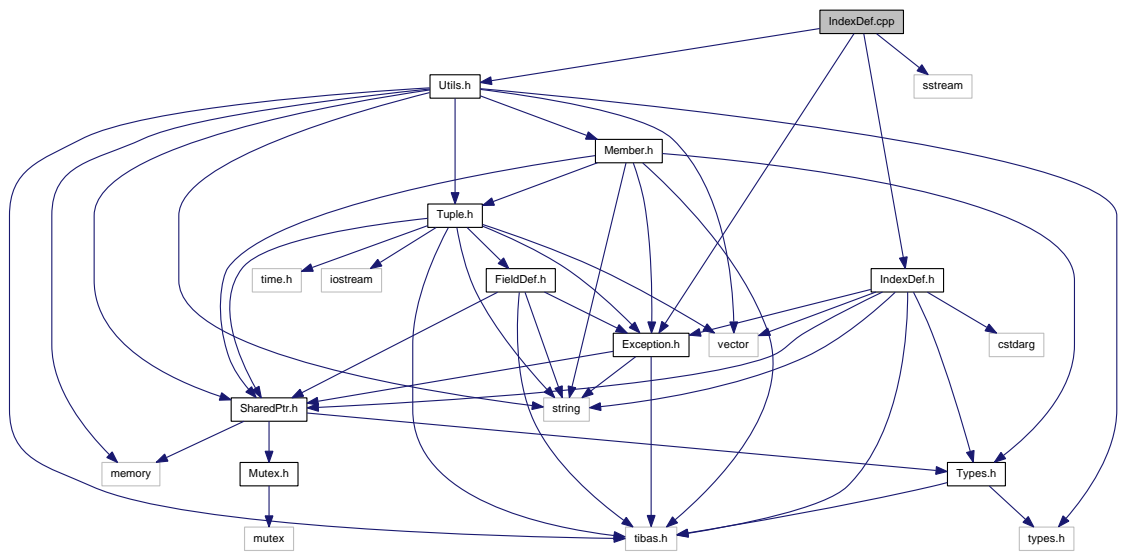
Namespaces

- namespace [ASApi](#)

7.39 IndexDef.cpp File Reference

```
#include "IndexDef.h"
#include "Exception.h"
#include "Utils.h"
#include <sstream>
```

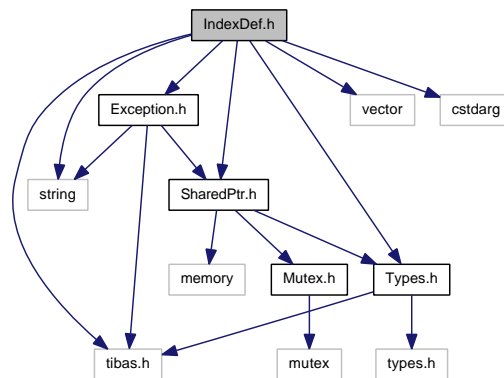
Include dependency graph for IndexDef.cpp:



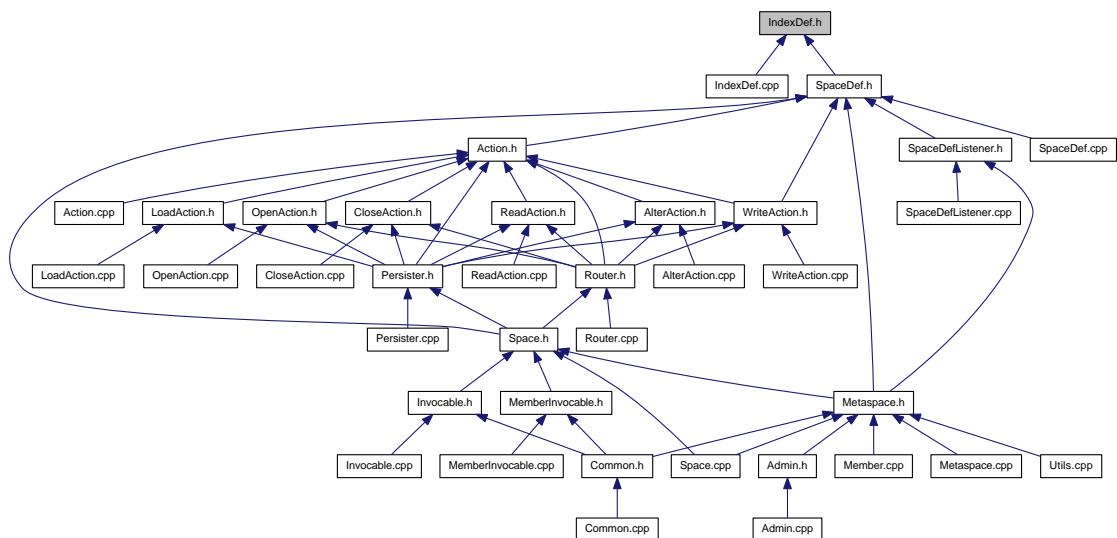
7.40 IndexDef.h File Reference

```
#include <string>
#include <vector>
#include <cstdarg>
#include "tibas.h"
#include "Exception.h"
#include "Types.h"
#include "SharedPtr.h"
```

Include dependency graph for IndexDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::IndexDef](#)

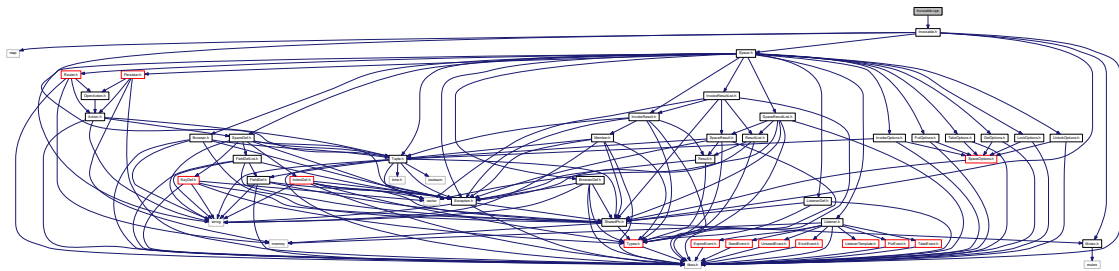
Namespaces

- namespace [ASApi](#)

7.41 Invocable.cpp File Reference

```
#include "Invocable.h"
```

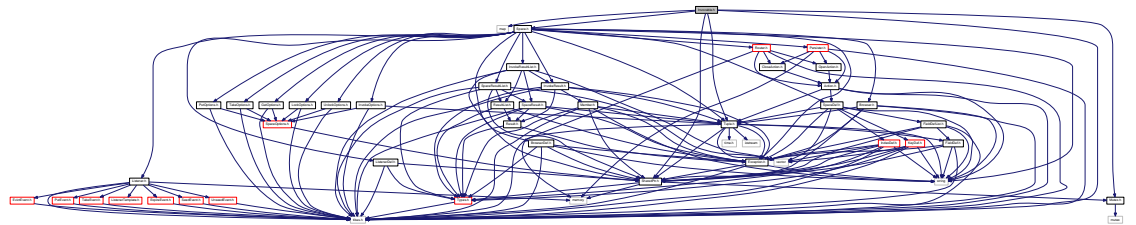
Include dependency graph for Invocable.cpp:



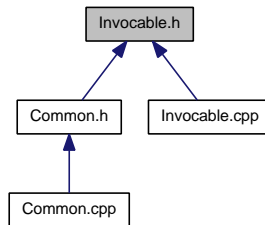
7.42 Invocable.h File Reference

```
#include <map>
#include "Space.h"
#include "Tuple.h"
#include "Mutex.h"
#include "tibas.h"
#include "SharedPtr.h"
```

Include dependency graph for Invocable.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Invocable](#)

Namespaces

- namespace [ASApi](#)

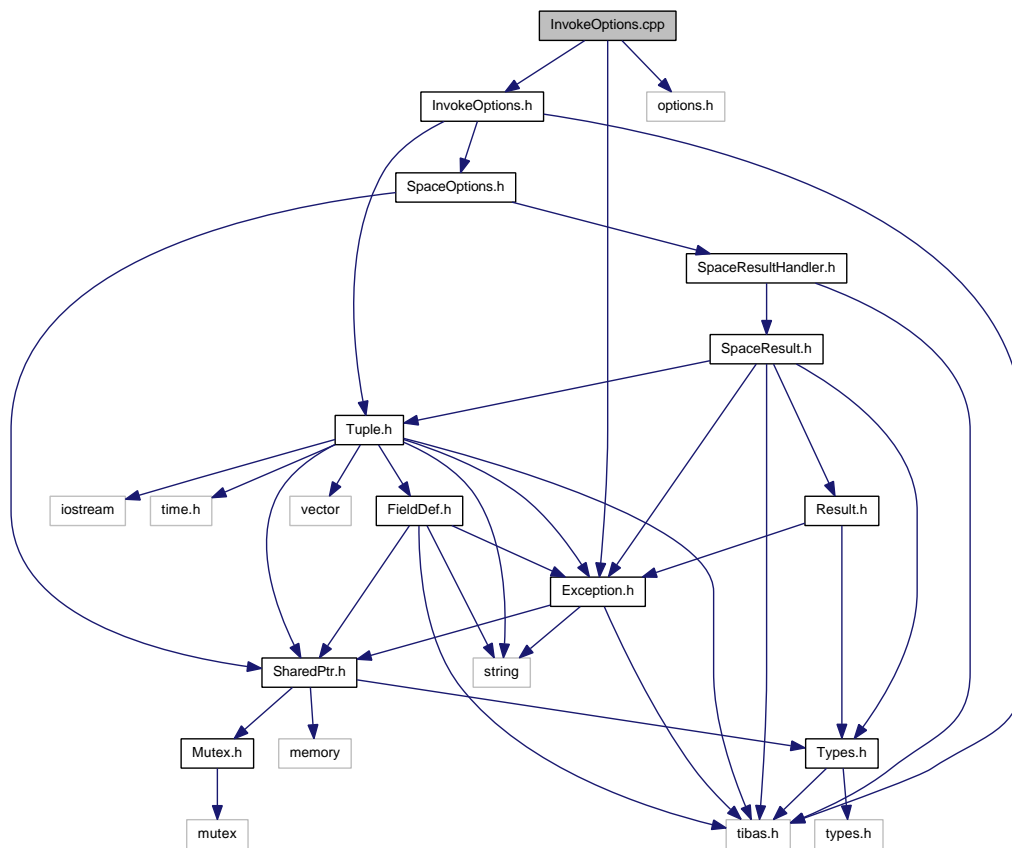
7.43 InvokeOptions.cpp File Reference

```
#include "InvokeOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

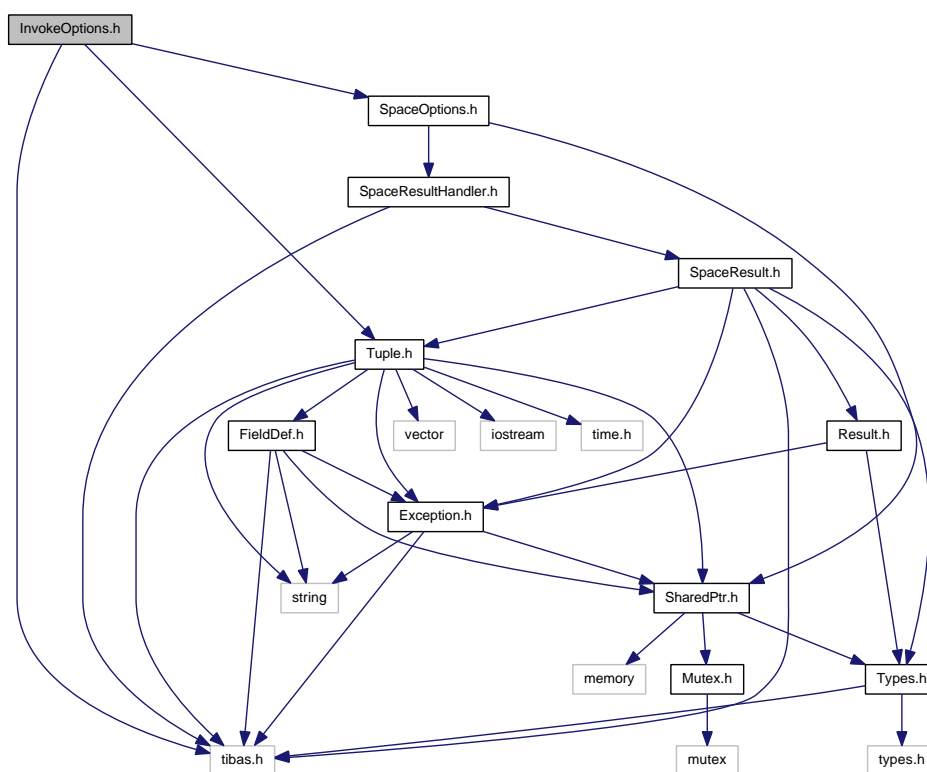
Include dependency graph for InvokeOptions.cpp:



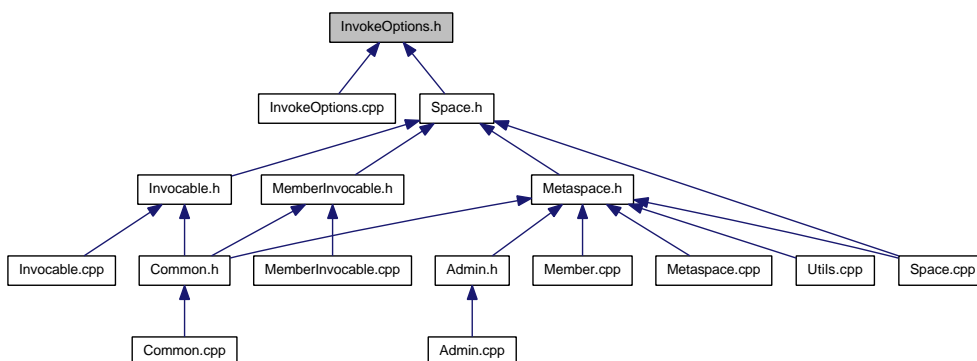
7.44 InvokeOptions.h File Reference

```
#include "tibas.h"
#include "SpaceOptions.h"
#include "Tuple.h"
```

Include dependency graph for InvokeOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::InvokeOptions](#)

Namespaces

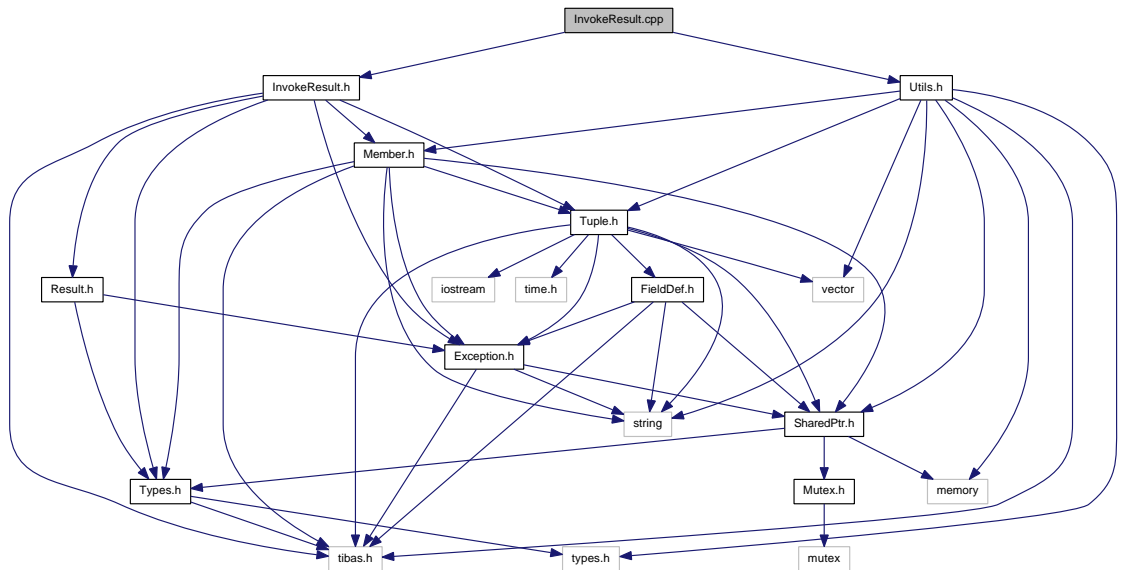
- namespace [ASApi](#)

7.45 InvokeResult.cpp File Reference

```
#include "InvokeResult.h"
```

```
#include "Utils.h"
```

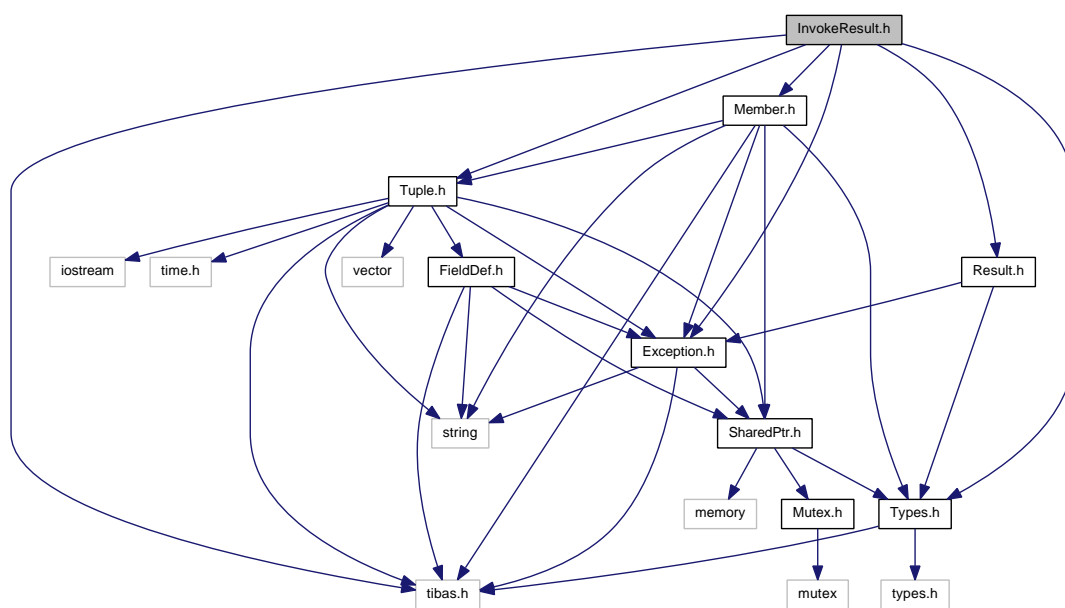
Include dependency graph for InvokeResult.cpp:



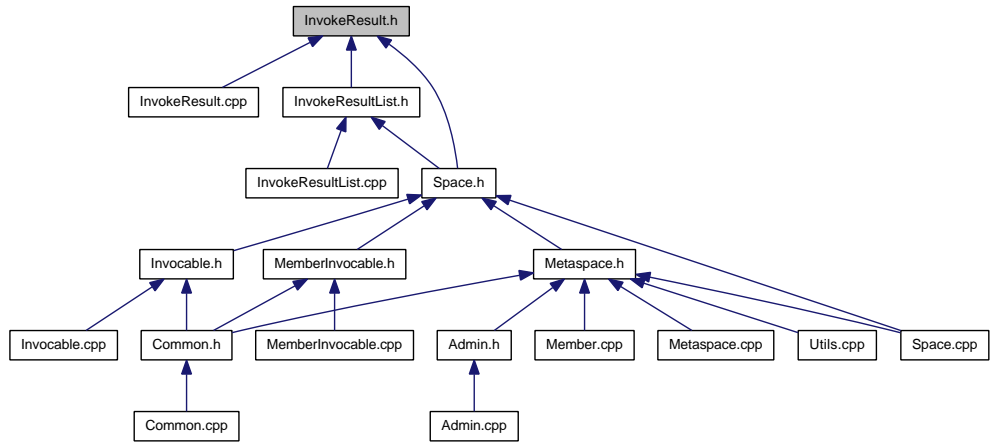
7.46 InvokeResult.h File Reference

```
#include "tibas.h"  
#include "Exception.h"  
#include "Tuple.h"  
#include "Types.h"  
#include "Result.h"  
#include "Member.h"
```

Include dependency graph for InvokeResult.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::InvokeResult](#)

Namespaces

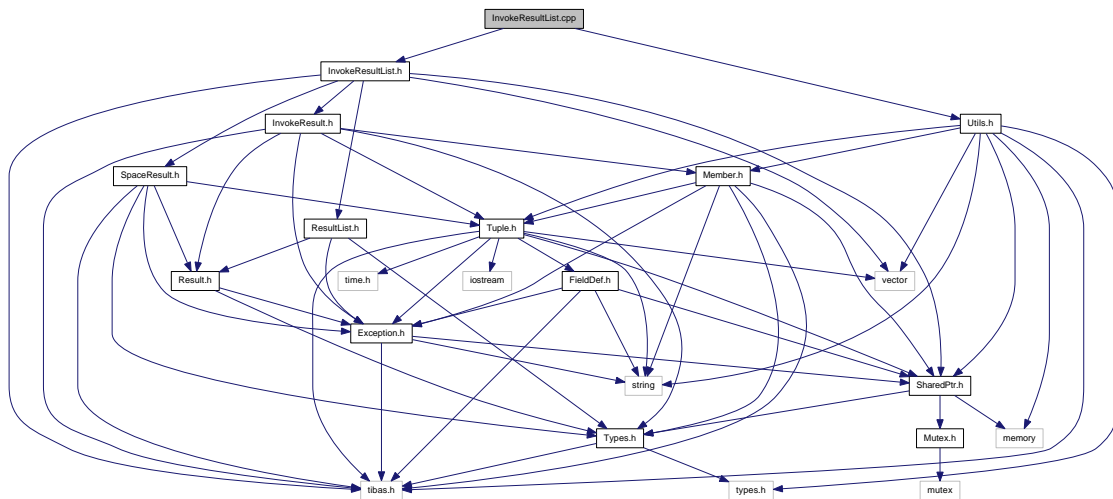
- namespace [ASApi](#)

7.47 InvokeResultList.cpp File Reference

```
#include "InvokeResultList.h"
```

```
#include "Utils.h"
```

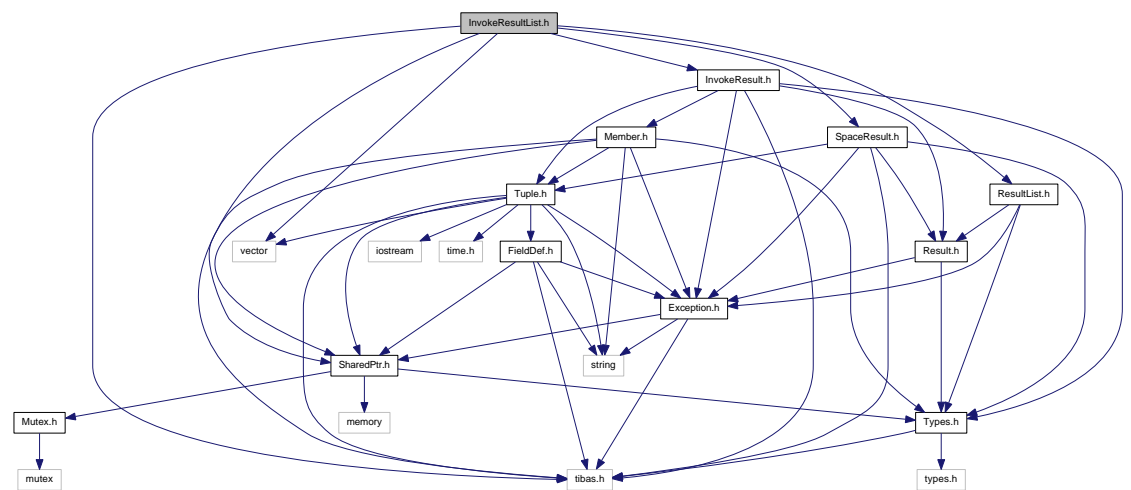
Include dependency graph for InvokeResultList.cpp:



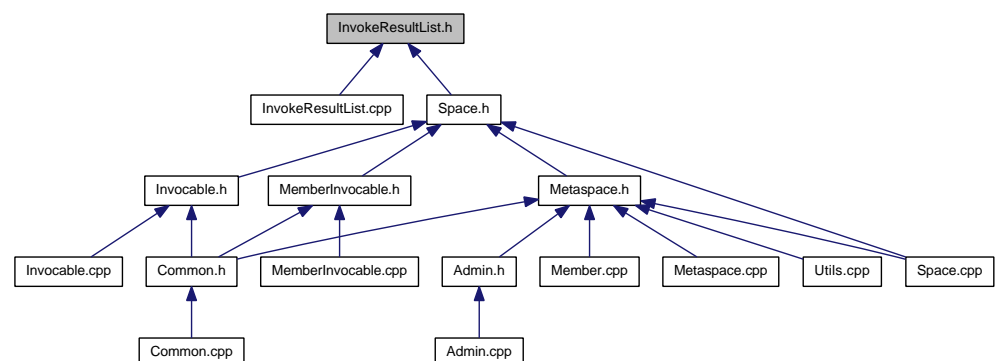
7.48 InvokeResultList.h File Reference

```
#include <vector>
#include "tibas.h"
#include "SpaceResult.h"
#include "ResultList.h"
#include "InvokeResult.h"
#include "SharedPtr.h"
```

Include dependency graph for InvokeResultList.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::InvokeResultList](#)

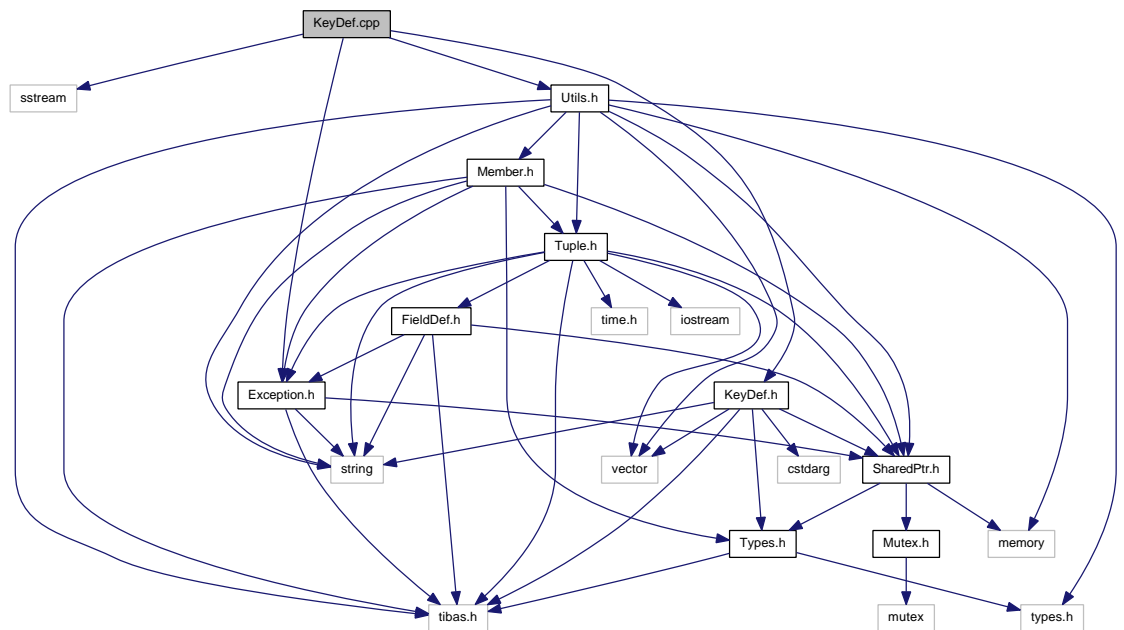
Namespaces

- namespace [ASApi](#)

7.49 KeyDef.cpp File Reference

```
#include <sstream>
#include "KeyDef.h"
#include "Exception.h"
#include "Utils.h"
```

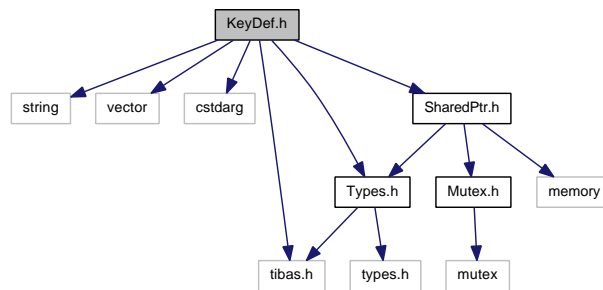
Include dependency graph for KeyDef.cpp:



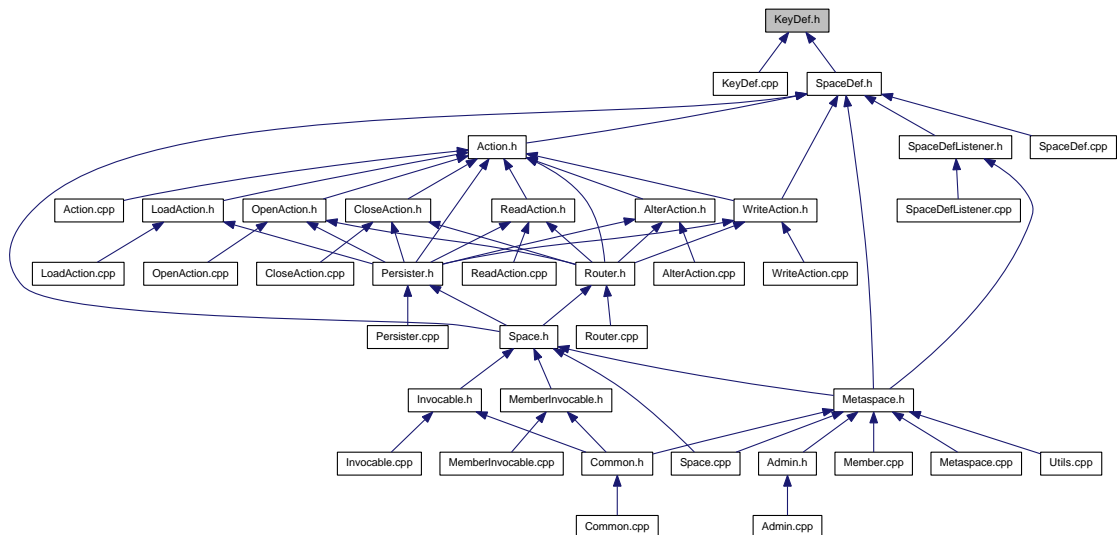
7.50 KeyDef.h File Reference

```
#include <string>
#include <vector>
#include <cstdarg>
#include "tibas.h"
#include "Types.h"
#include "SharedPtr.h"
```

Include dependency graph for KeyDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::KeyDef](#)

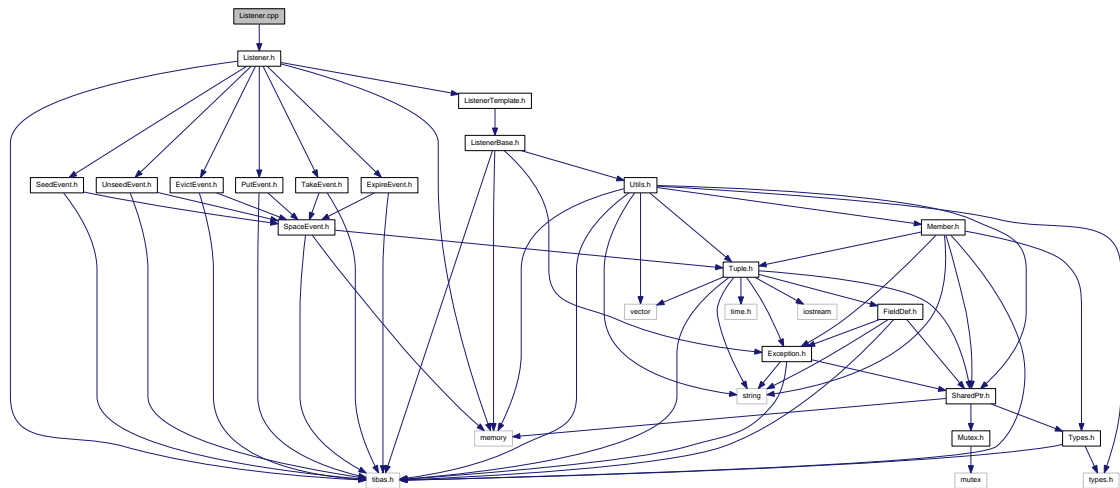
Namespaces

- namespace [ASApi](#)

7.51 Listener.cpp File Reference

```
#include "Listener.h"
```

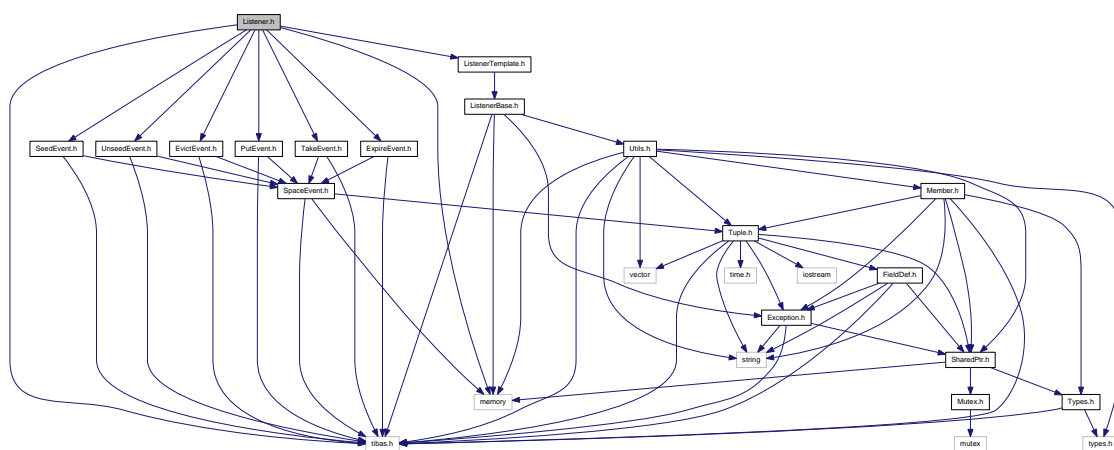
Include dependency graph for Listener.cpp:



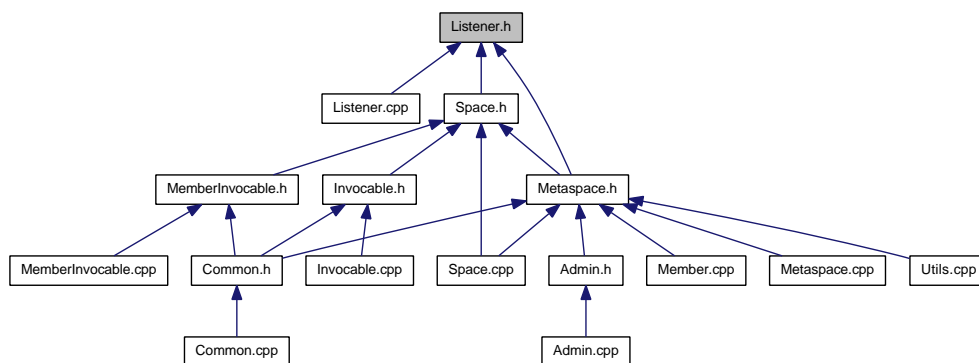
7.52 Listener.h File Reference

```
#include "tibas.h"
#include <memory>
#include "PutEvent.h"
#include "TakeEvent.h"
#include "ExpireEvent.h"
#include "SeedEvent.h"
#include "UnseedEvent.h"
#include "EvictEvent.h"
#include "ListenerTemplate.h"
```

Include dependency graph for Listener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Listener](#)

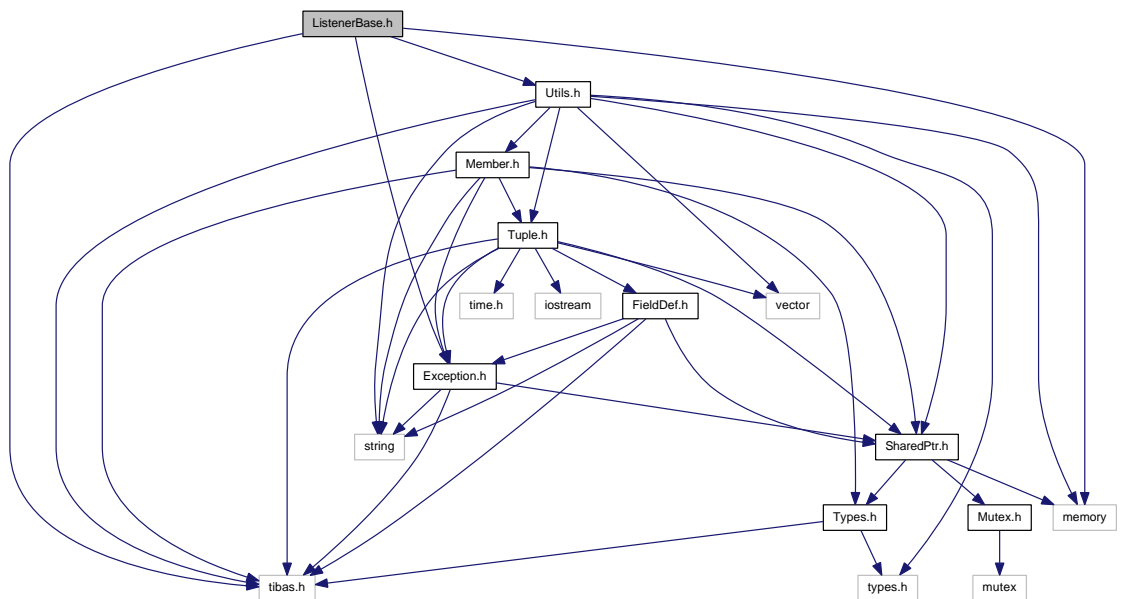
Namespaces

- namespace [ASApi](#)

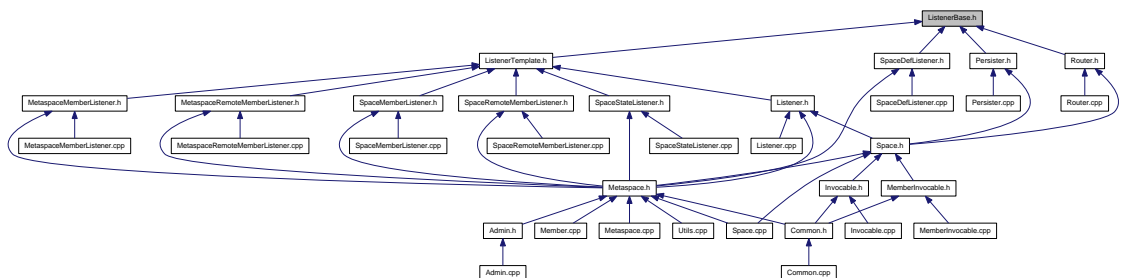
7.53 ListenerBase.h File Reference

```
#include "tibas.h"
#include "Utils.h"
#include "Exception.h"
#include <memory>
```

Include dependency graph for ListenerBase.h:



This graph shows which files directly or indirectly include this file:



Classes

- class `ASApi::ListenerBase< T >`

Namespaces

- namespace [ASApi](#)

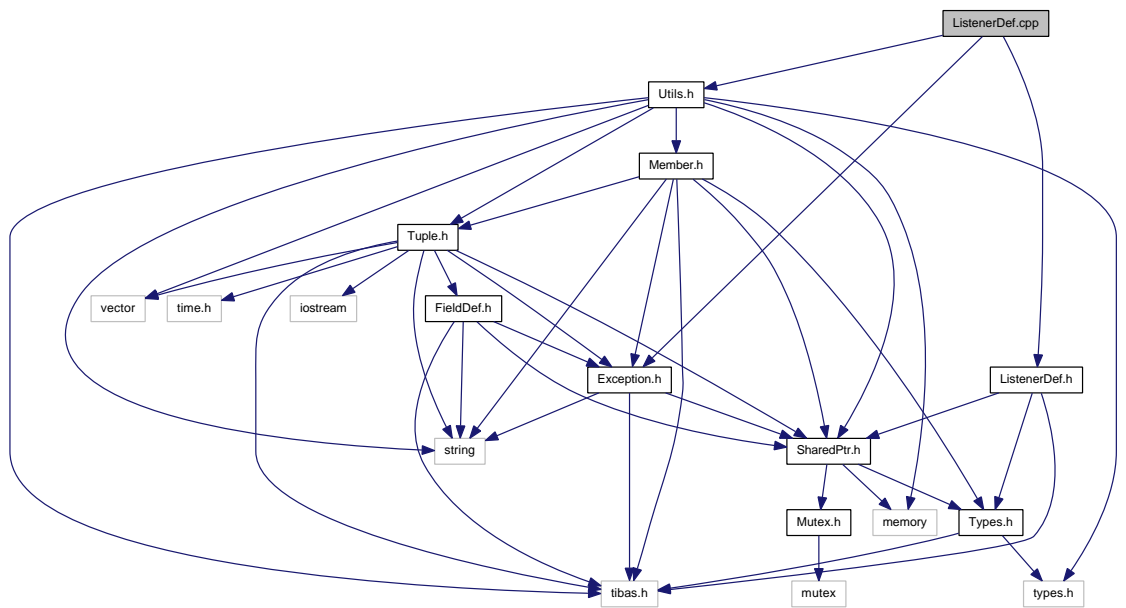
7.54 ListenerDef.cpp File Reference

```
#include "ListenerDef.h"
```

```
#include "Exception.h"
```

```
#include "Utils.h"
```

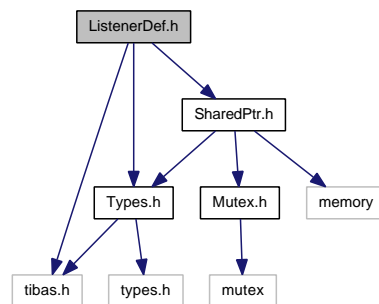
Include dependency graph for ListenerDef.cpp:



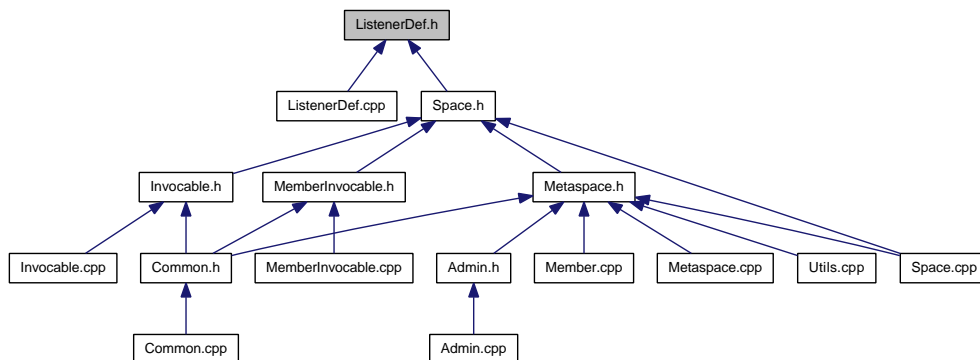
7.55 ListenerDef.h File Reference

```
#include "tibas.h"
#include "Types.h"
#include "SharedPtr.h"
```

Include dependency graph for ListenerDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ListenerDef](#)

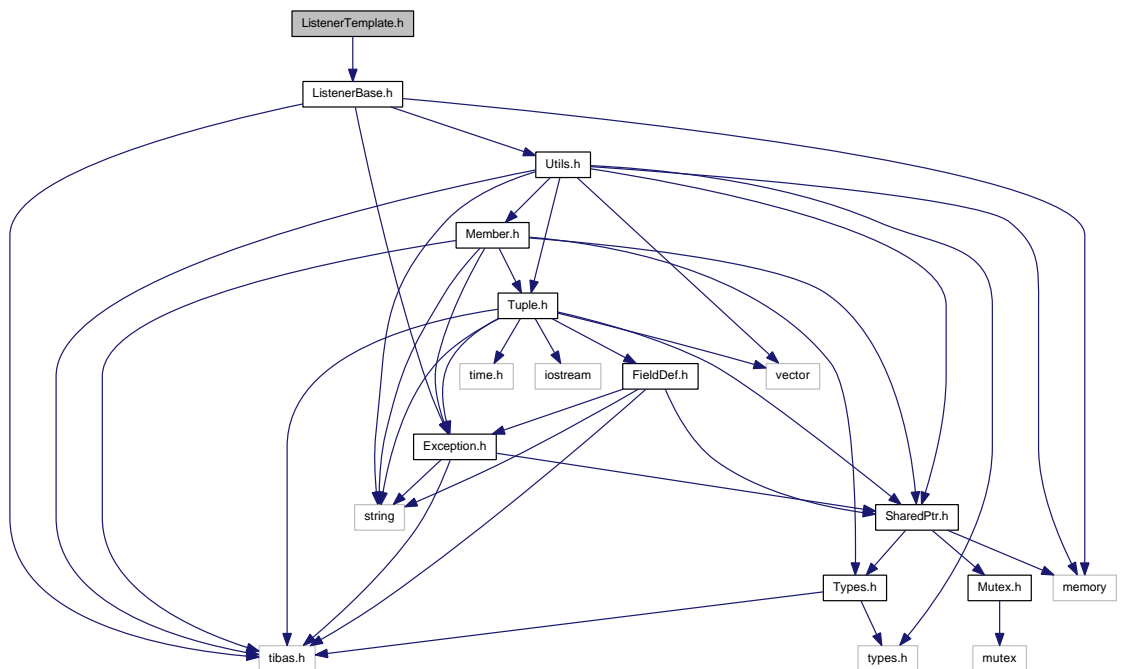
Namespaces

- namespace [ASApi](#)

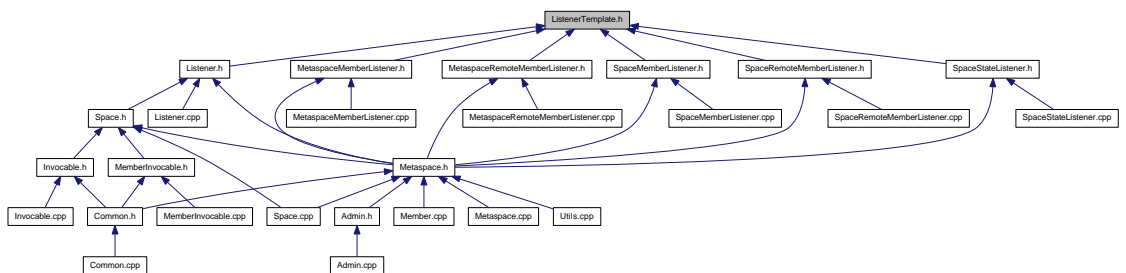
7.56 ListenerTemplate.h File Reference

```
#include "ListenerBase.h"
```

Include dependency graph for ListenerTemplate.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ListenerTemplate< T >](#)

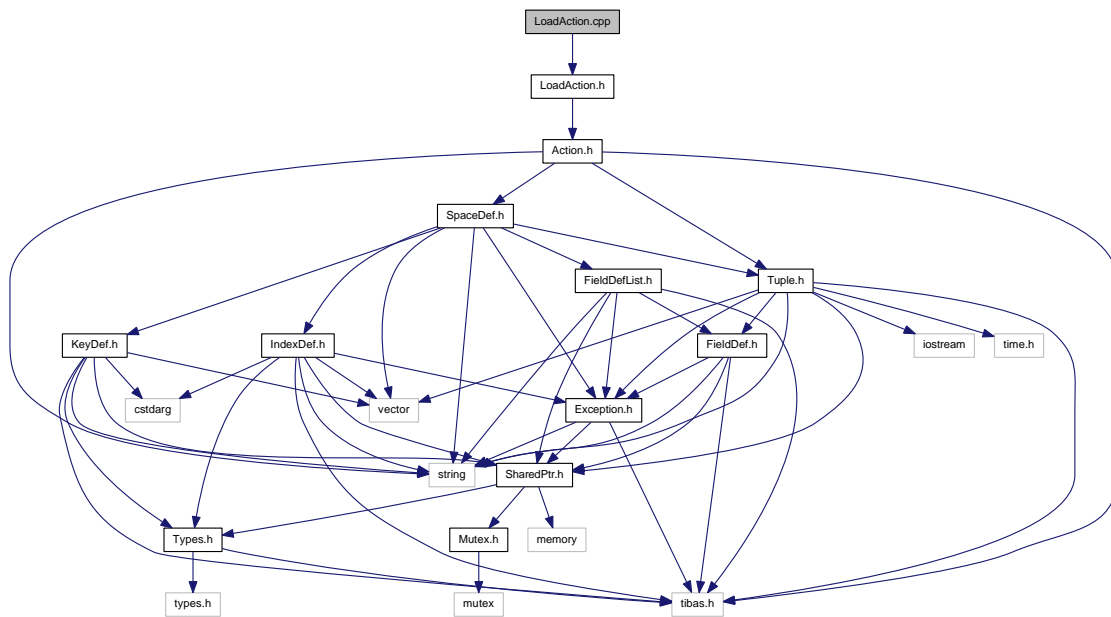
Namespaces

- namespace [ASApi](#)

7.57 LoadAction.cpp File Reference

```
#include "LoadAction.h"
```

Include dependency graph for LoadAction.cpp:



```
#include "Action.h"
```

```

graph TD
    LoadAction.h[LoadAction.h] --> LoadAction.cpp[LoadAction.cpp]
    LoadAction.h --> Persister.h[Persister.h]
    Persister.h --> Persister.cpp[Persister.cpp]
    Persister.h --> Space.h[Space.h]
    Space.h --> Invocable.h[Invocable.h]
    Space.h --> MemberInvocable.h[MemberInvocable.h]
    Space.h --> Metaspaces.h[Metaspaces.h]
    Space.h --> Space.cpp[Space.cpp]
    Invocable.h --> Invocable.cpp[Invocable.cpp]
    Invocable.h --> Common.h[Common.h]
    MemberInvocable.h --> Common.h
    MemberInvocable.h --> MemberInvocable.cpp[MemberInvocable.cpp]
    Metaspaces.h --> Admin.h[Admin.h]
    Metaspaces.h --> Member.cpp[Member.cpp]
    Metaspaces.h --> Metaspaces.cpp[Metaspaces.cpp]
    Metaspaces.h --> Space.cpp
    Common.h --> Common.cpp[Common.cpp]
    Admin.h --> Admin.cpp[Admin.cpp]
  
```

- class `ASApi::LoadAction`

Namespaces

- namespace [ASApi](#)

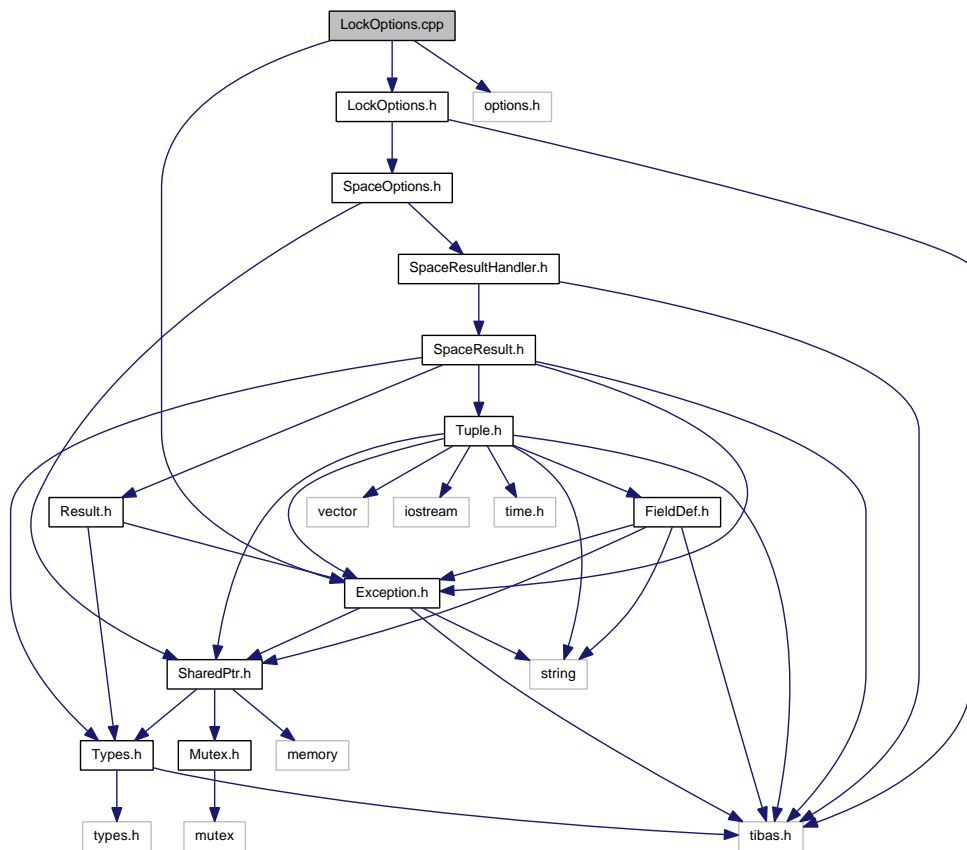
7.59 LockOptions.cpp File Reference

```
#include "LockOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for LockOptions.cpp:

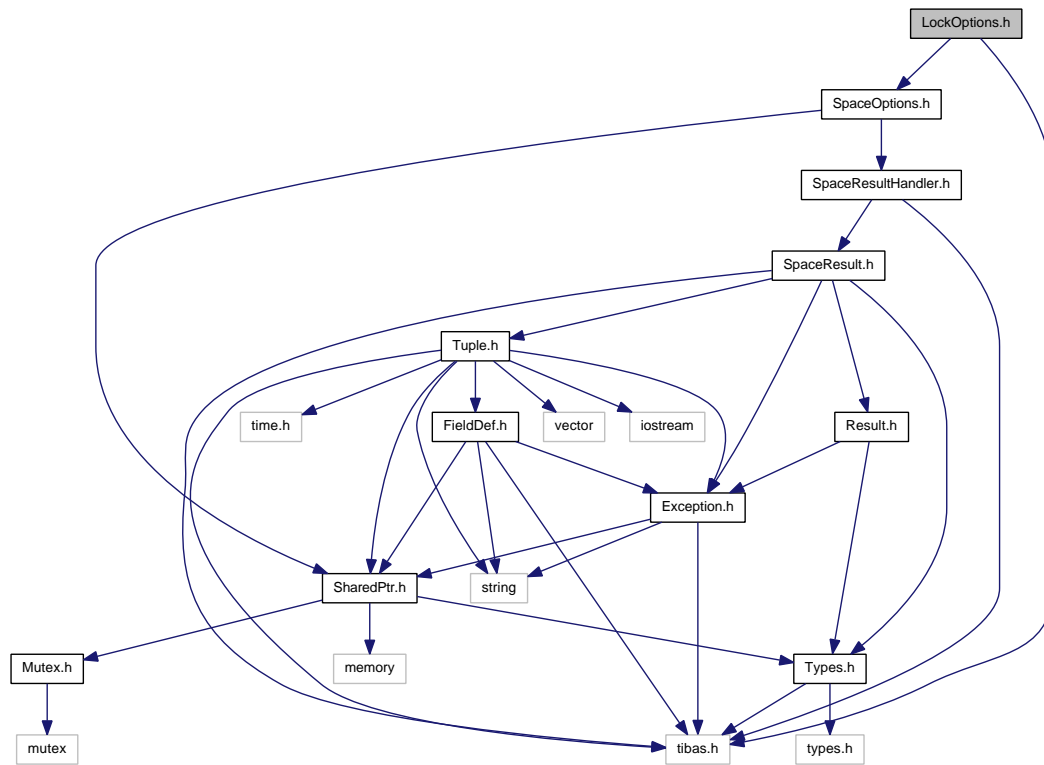


7.60 LockOptions.h File Reference

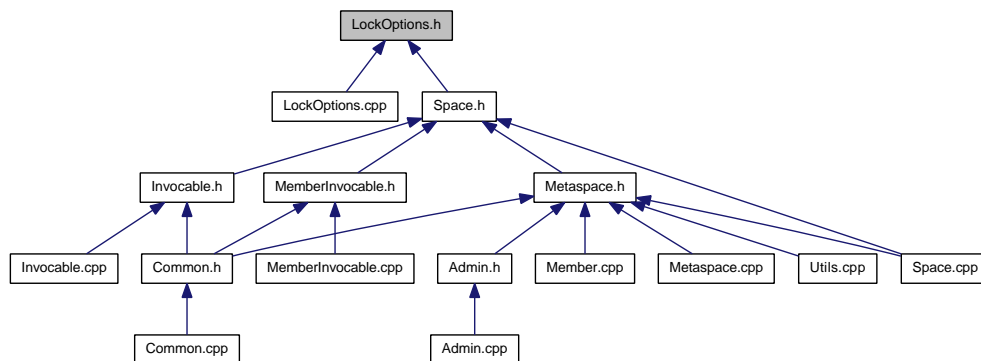
```
#include "tibas.h"
```

```
#include "SpaceOptions.h"
```

Include dependency graph for LockOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::LockOptions](#)

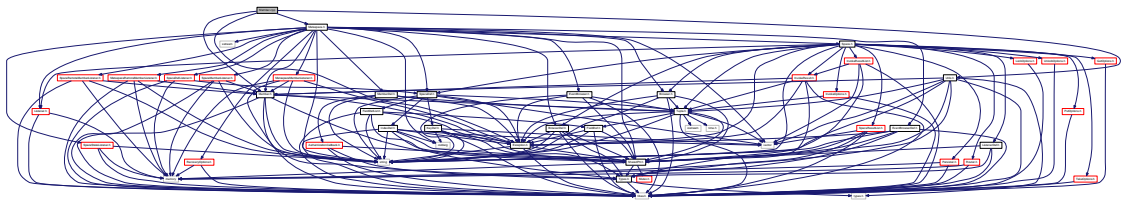
Namespaces

- namespace [ASApi](#)

7.61 Member.cpp File Reference

```
#include "Member.h"  
#include "Exception.h"  
#include "Metaspace.h"  
#include "Utils.h"
```

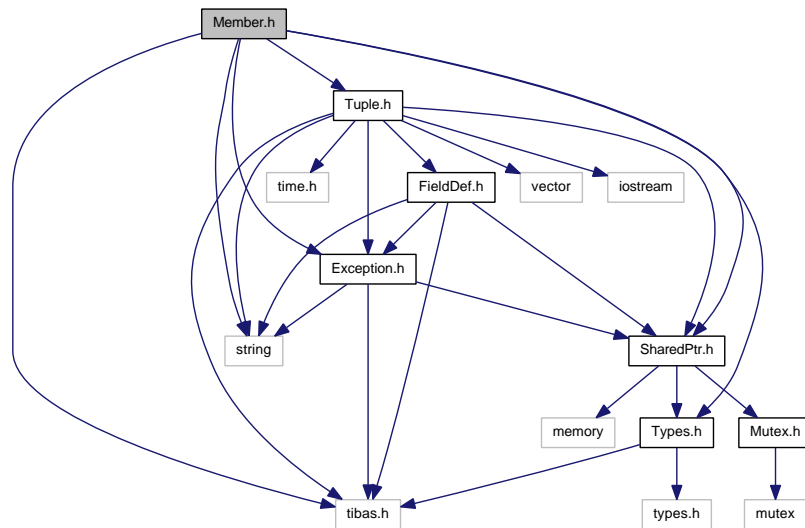
Include dependency graph for Member.cpp:



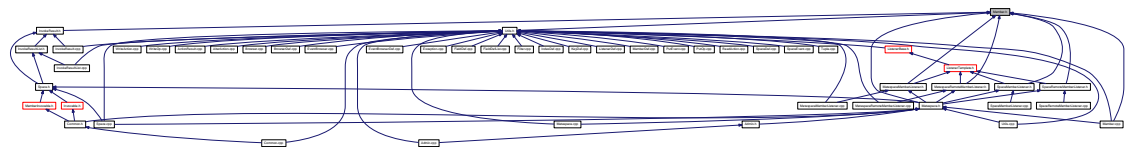
7.62 Member.h File Reference

```
#include <string>
#include "tibas.h"
#include "Exception.h"
#include "Tuple.h"
#include "Types.h"
#include "SharedPtr.h"
```

Include dependency graph for Member.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Member](#)

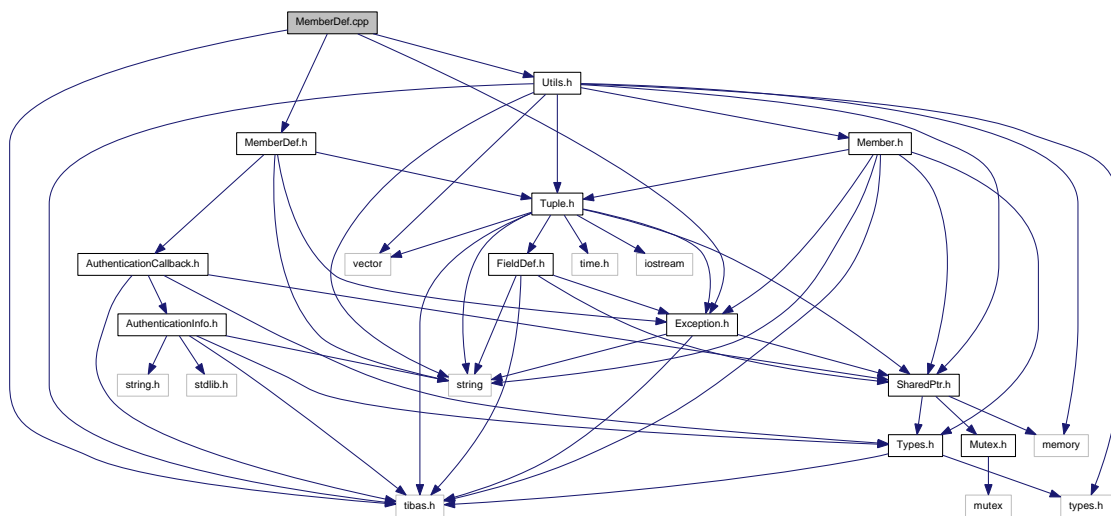
Namespaces

- namespace [ASApi](#)

7.63 MemberDef.cpp File Reference

```
#include "MemberDef.h"
#include "Exception.h"
#include "Utils.h"
#include "tibas.h"
```

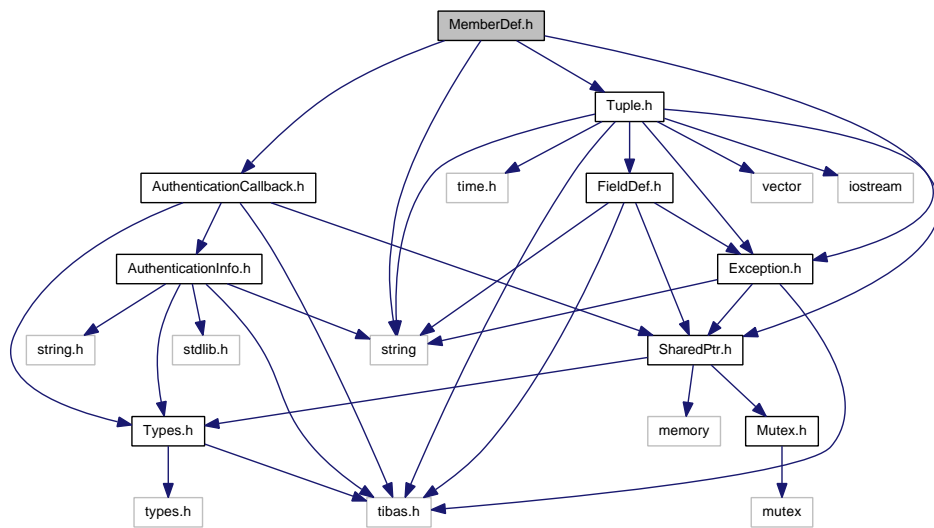
Include dependency graph for MemberDef.cpp:



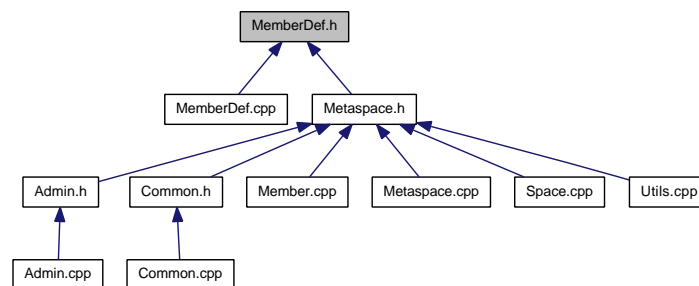
7.64 MemberDef.h File Reference

```
#include <string>
#include "Tuple.h"
#include "Exception.h"
#include "AuthenticationCallback.h"
```

Include dependency graph for MemberDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::MemberDef](#)

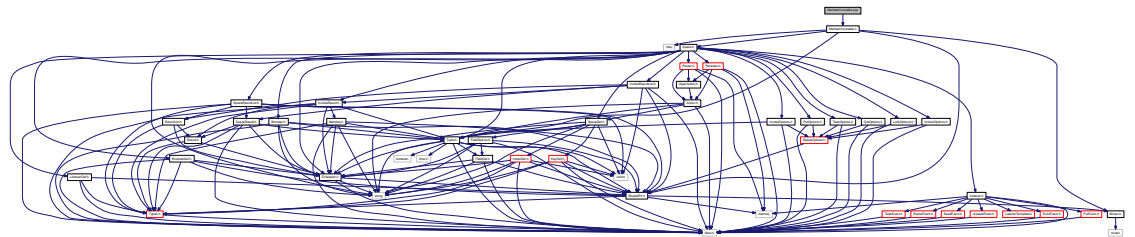
Namespaces

- namespace [ASApi](#)

7.65 MemberInvocable.cpp File Reference

```
#include "MemberInvocable.h"
```

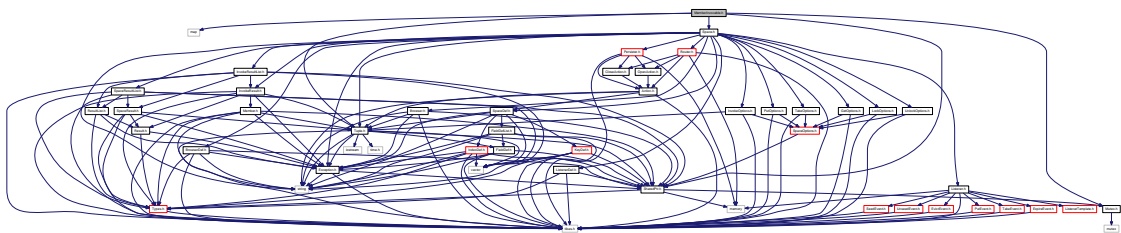
Include dependency graph for MemberInvocable.cpp:



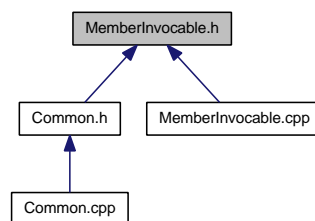
7.66 MemberInvocable.h File Reference

```
#include <map>
#include "Tuple.h"
#include "Space.h"
#include "Mutex.h"
#include "SharedPtr.h"
```

Include dependency graph for MemberInvocable.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::MemberInvocable](#)

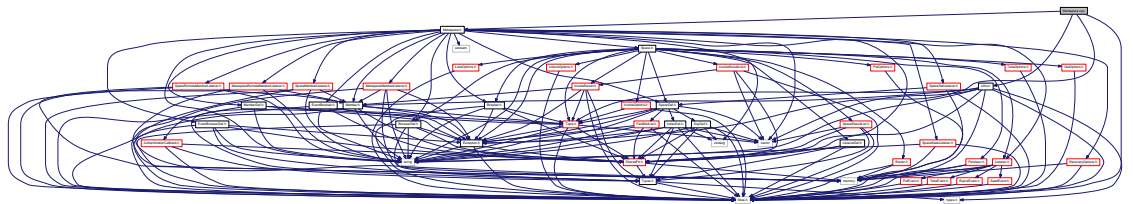
Namespaces

- namespace [ASApi](#)

7.67 Metaspace.cpp File Reference

```
#include "Metaspace.h"  
#include "Exception.h"  
#include "Utils.h"  
#include "tibas.h"
```

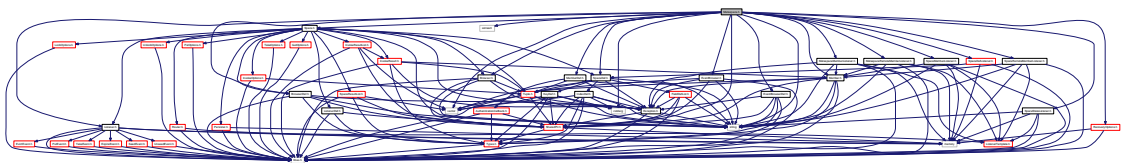
Include dependency graph for Metaspace.cpp:



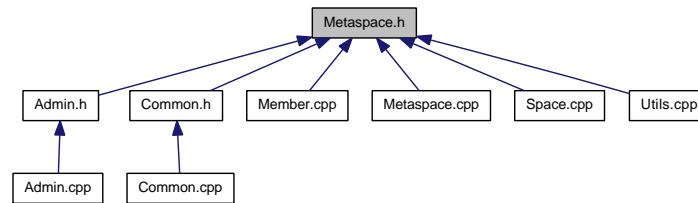
7.68 Metaspace.h File Reference

```
#include <string>
#include <cstdarg>
#include <vector>
#include <sstream>
#include "Member.h"
#include "MemberDef.h"
#include "SpaceDef.h"
#include "Space.h"
#include "Browser.h"
#include "BrowserDef.h"
#include "EventBrowser.h"
#include "EventBrowserDef.h"
#include "Listener.h"
#include "MetaspaceMemberListener.h"
#include "MetaspaceRemoteMemberListener.h"
#include "SpaceMemberListener.h"
#include "SpaceRemoteMemberListener.h"
#include "SpaceStateListener.h"
#include "SpaceDefListener.h"
#include "RecoveryOptions.h"
#include "SharedPtr.h"
```

Include dependency graph for Metaspace.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Metaspace](#)

Namespaces

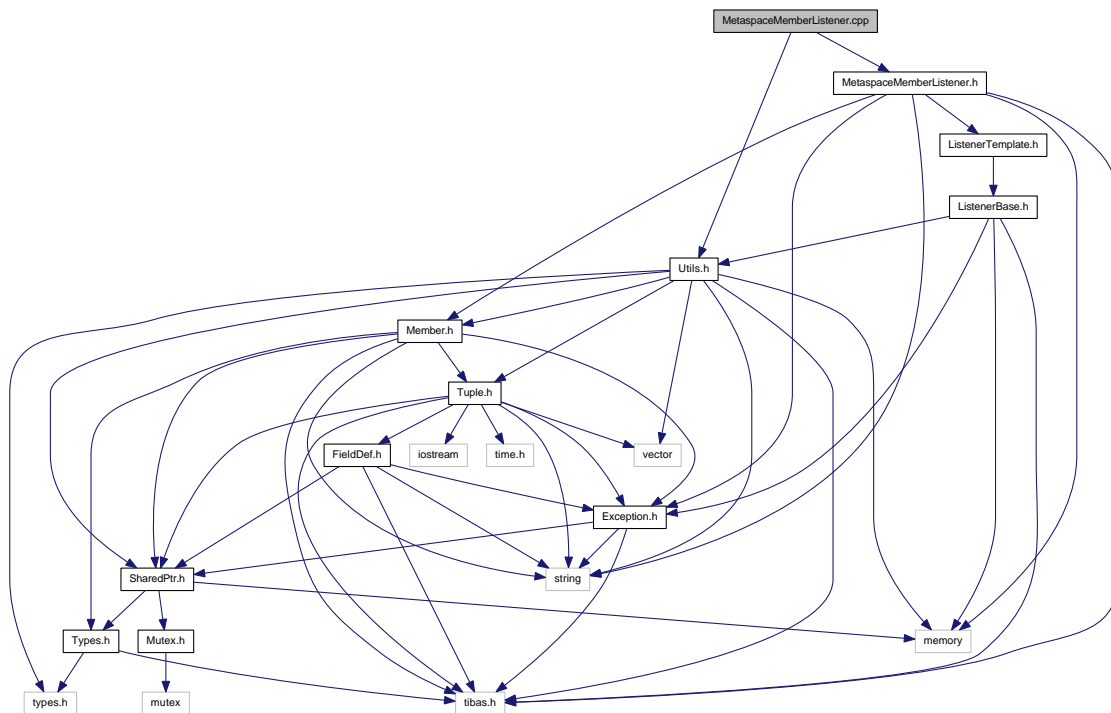
- namespace [ASApi](#)

7.69 MetaspaceMemberListener.cpp File Reference

```
#include "MetaspaceMemberListener.h"
```

```
#include "Utils.h"
```

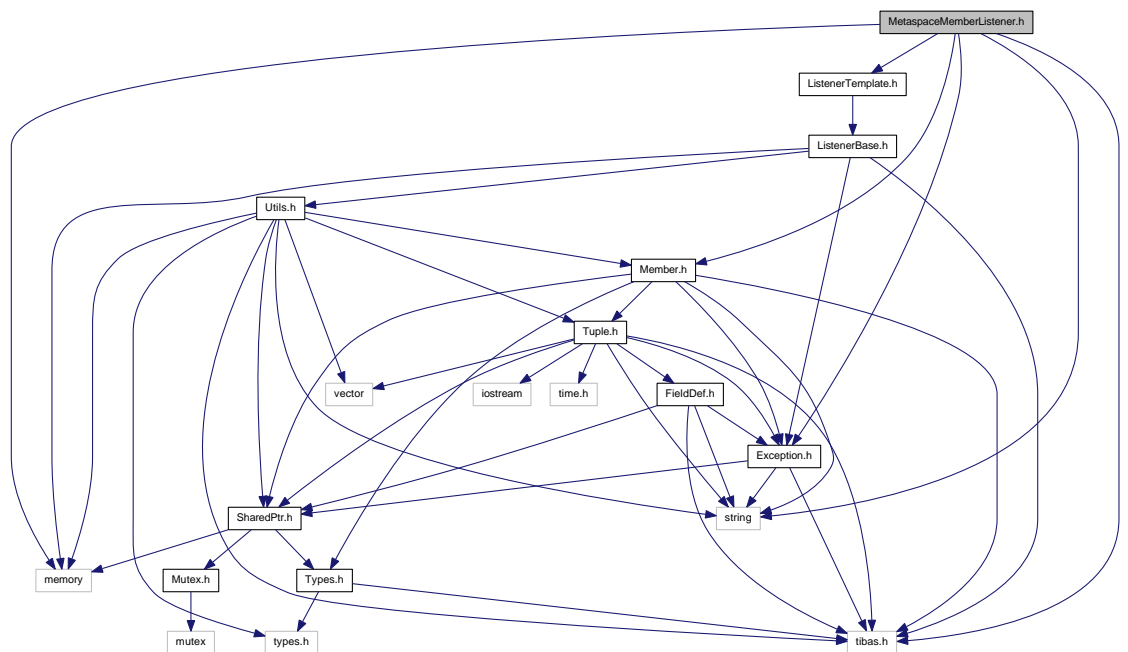
Include dependency graph for MetaspaceMemberListener.cpp:



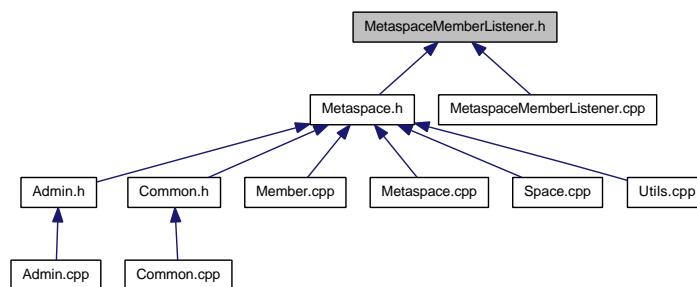
7.70 MetaspaceMemberListener.h File Reference

```
#include "tibas.h"
#include "Exception.h"
#include <memory>
#include <string>
#include "ListenerTemplate.h"
#include "Member.h"
```

Include dependency graph for MetaspaceMemberListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::MetaspaceMemberListener](#)

Namespaces

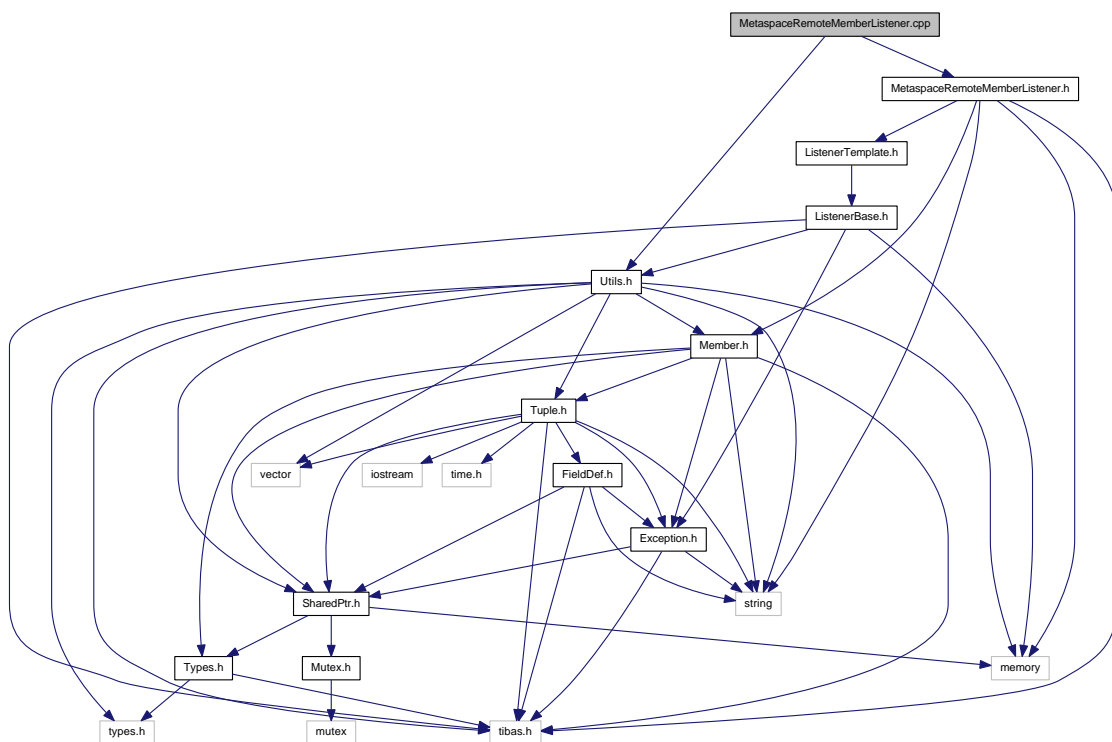
- namespace [ASApi](#)

7.71 MetaspaceRemoteMemberListener.cpp File Reference

```
#include "MetaspaceRemoteMemberListener.h"
```

```
#include "Utils.h"
```

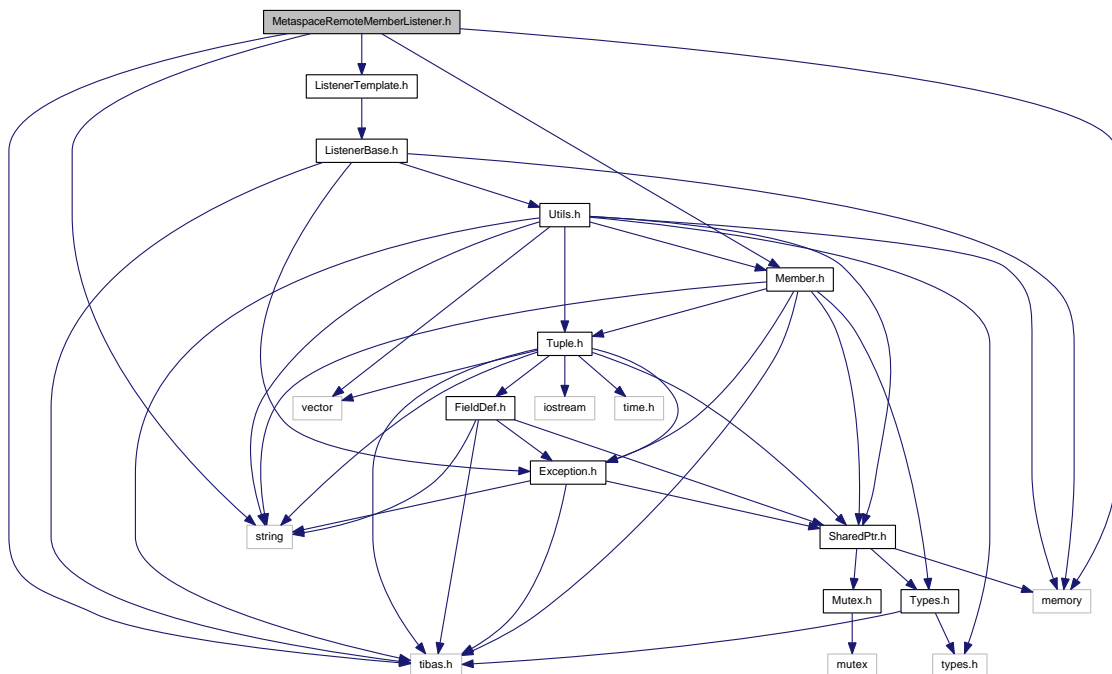
Include dependency graph for MetaspaceRemoteMemberListener.cpp:



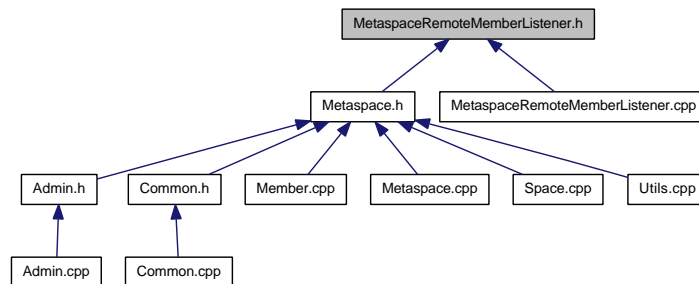
7.72 MetaspaceRemoteMemberListener.h File Reference

```
#include "tibas.h"
#include <memory>
#include <string>
#include "ListenerTemplate.h"
#include "Member.h"
```

Include dependency graph for MetaspaceRemoteMemberListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::MetaspaceRemoteMemberListener](#)

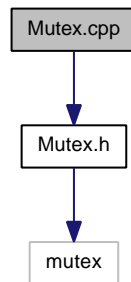
Namespaces

- namespace [ASApi](#)

7.73 Mutex.cpp File Reference

```
#include "Mutex.h"
```

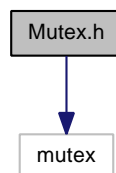
Include dependency graph for Mutex.cpp:



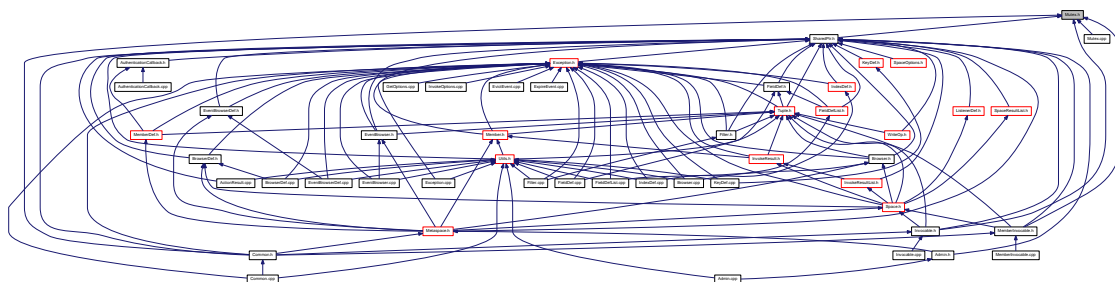
7.74 Mutex.h File Reference

```
#include <mutex>
```

Include dependency graph for Mutex.h:



This graph shows which files directly or indirectly include this file:



Namespaces

- namespace [ASApi](#)

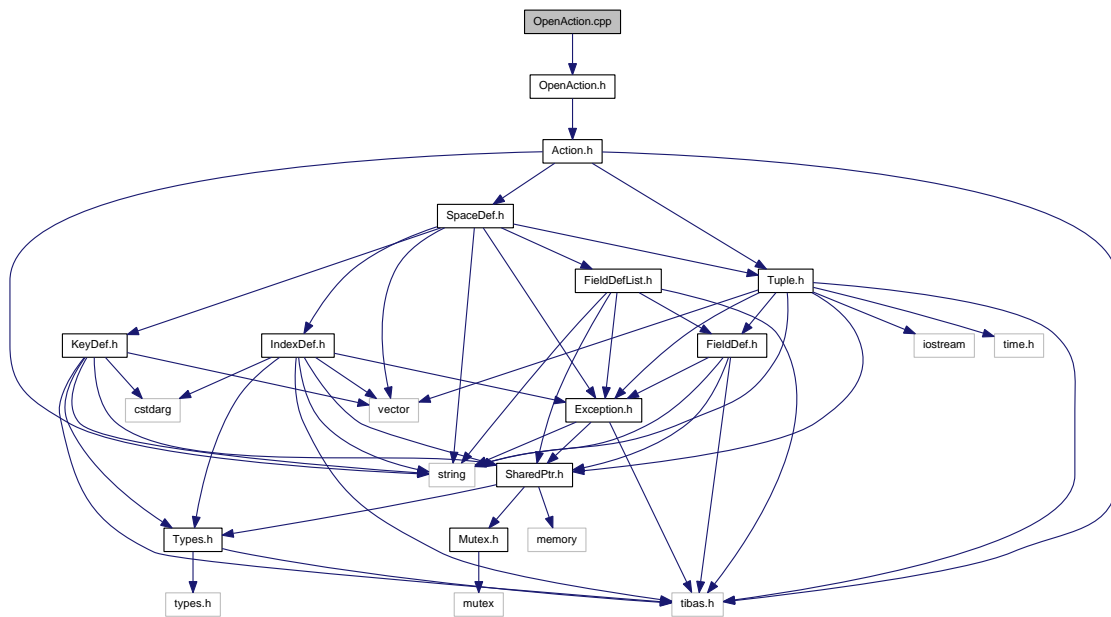
Typedefs

- typedef std::mutex [ASApi::Mutex](#)

7.75 OpenAction.cpp File Reference

```
#include "OpenAction.h"
```

Include dependency graph for OpenAction.cpp:



```
#include "Action.h"
```

The diagram illustrates a complex dependency graph for the Boost library. The nodes represent header files, and the directed edges represent dependencies. The graph is highly interconnected, with many nodes having multiple incoming and outgoing dependencies. Key nodes include OpenAction.h, Action.h, SpaceDef.h, Tuple.h, FieldDefList.h, FieldDef.h, Exception.h, SharedPtr.h, Mutex.h, memory, Mutex.h, memory, types.h, types.h, mutex, mutex, and tibas.h. The graph shows a dense web of dependencies, particularly around the core Boost headers like Action.h, SpaceDef.h, and Tuple.h.

```

graph BT
    OpenAction.h[OpenAction.h] --> OpenAction.cpp[OpenAction.cpp]
    OpenAction.h --> Persister.h[Persister.h]
    OpenAction.h --> Router.h[Router.h]
    Persister.h --> Persister.cpp[Persister.cpp]
    Persister.h --> Space.h[Space.h]
    Router.h --> Router.cpp[Router.cpp]
    Router.h --> Space.h
    Space.h --> Invocable.h[Invocable.h]
    Space.h --> MemberInvocable.h[MemberInvocable.h]
    Space.h --> Metaspaces.h[Metaspaces.h]
    Invocable.h --> Invocable.cpp[Invocable.cpp]
    Invocable.h --> Common.h[Common.h]
    MemberInvocable.h --> Common.h
    MemberInvocable.h --> MemberInvocable.cpp[MemberInvocable.cpp]
    Metaspaces.h --> Admin.h[Admin.h]
    Metaspaces.h --> Member.cpp[Member.cpp]
    Metaspaces.h --> Metaspaces.cpp[Metaspaces.cpp]
    Metaspaces.h --> Utils.cpp[Utils.cpp]
    Metaspaces.h --> Space.cpp[Space.cpp]
    Common.h --> Common.cpp[Common.cpp]
    Admin.h --> Admin.cpp[Admin.cpp]
  
```

- class `ASApi::OpenAction`

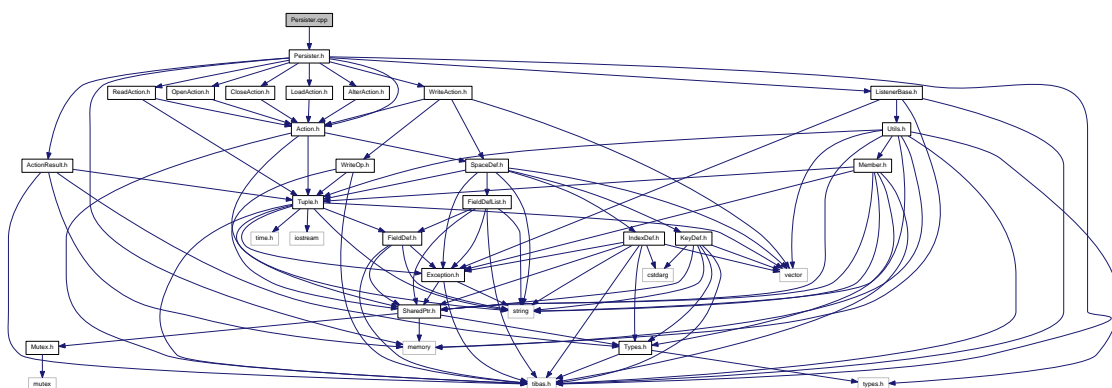
Namespaces

- namespace [ASApi](#)

7.77 Persister.cpp File Reference

```
#include "Persister.h"
```

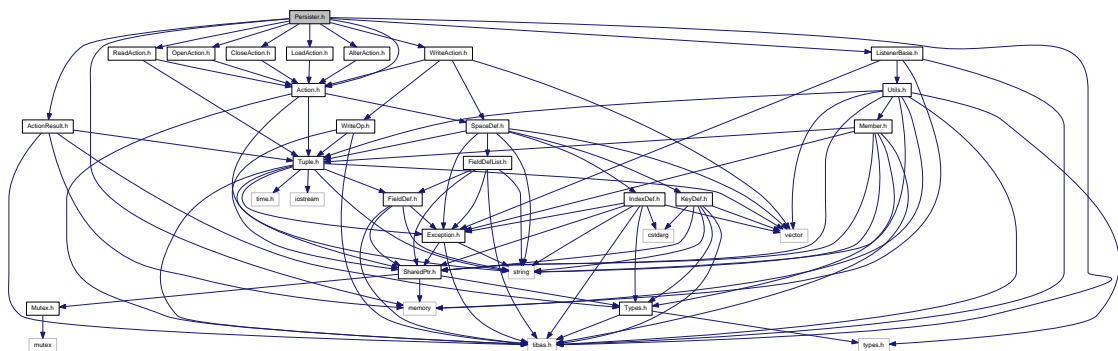
Include dependency graph for Persister.cpp:



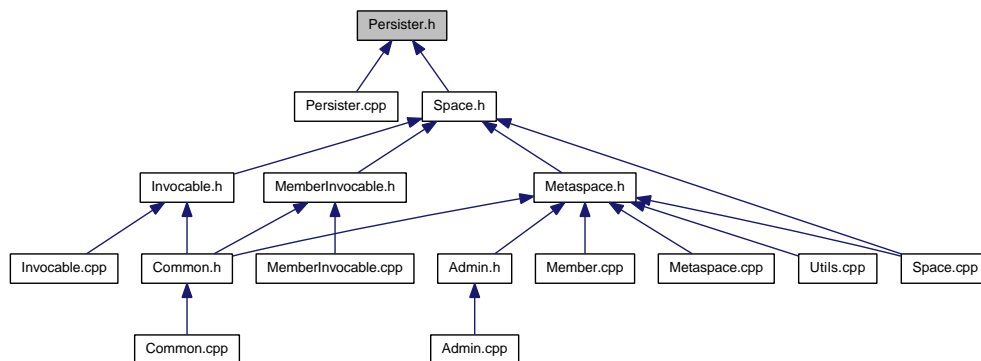
7.78 Persister.h File Reference

```
#include "tibas.h"
#include <memory>
#include "Action.h"
#include "OpenAction.h"
#include "CloseAction.h"
#include "LoadAction.h"
#include "ReadAction.h"
#include "WriteAction.h"
#include "AlterAction.h"
#include "ActionResult.h"
#include "ListenerBase.h"
```

Include dependency graph for Persister.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Persister](#)

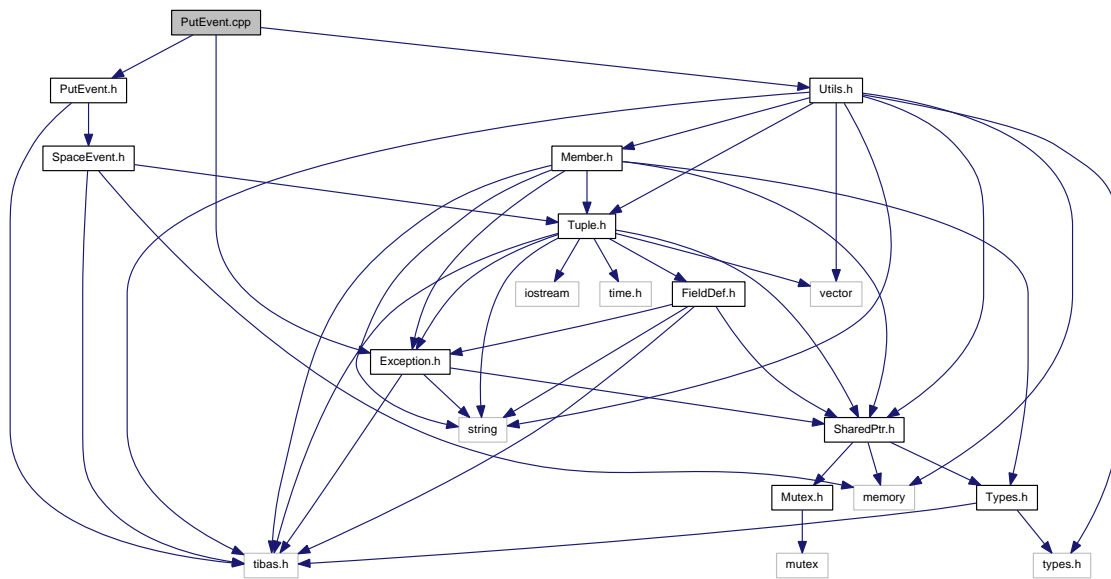
Namespaces

- namespace [ASApi](#)

7.79 PutEvent.cpp File Reference

```
#include "PutEvent.h"  
#include "Exception.h"  
#include "Utils.h"
```

Include dependency graph for PutEvent.cpp:

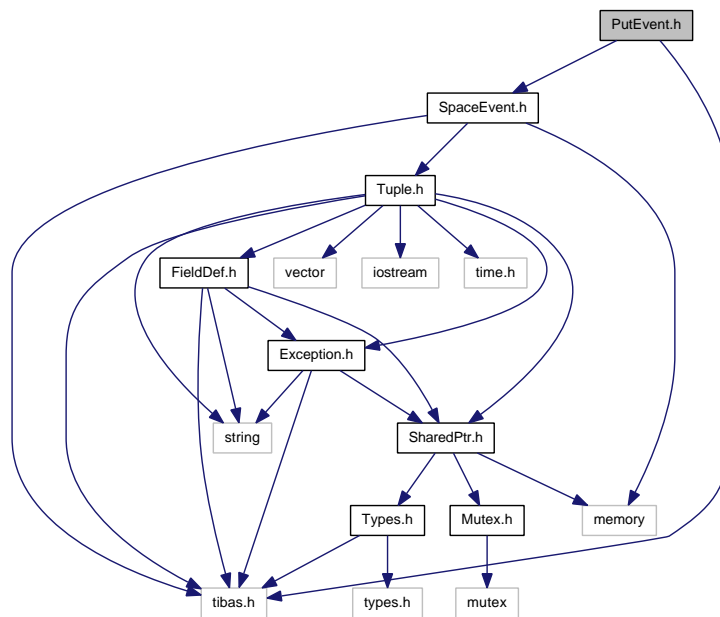


7.80 PutEvent.h File Reference

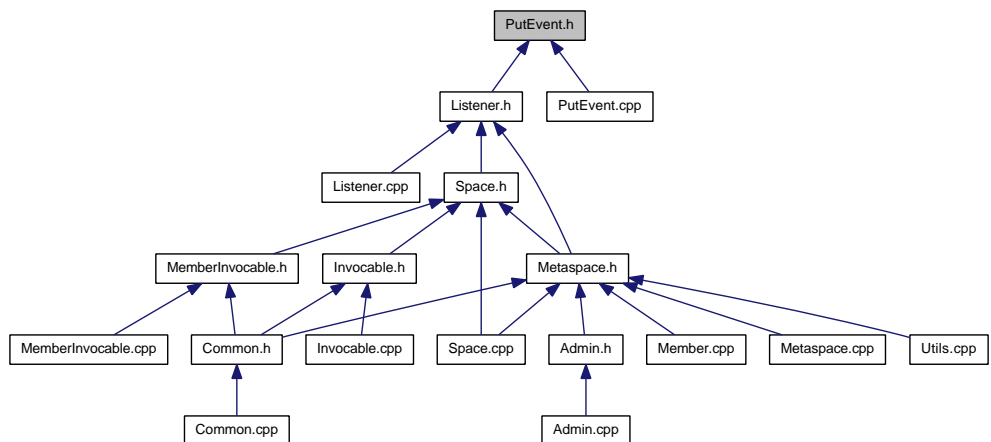
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for PutEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::PutEvent](#)

Namespaces

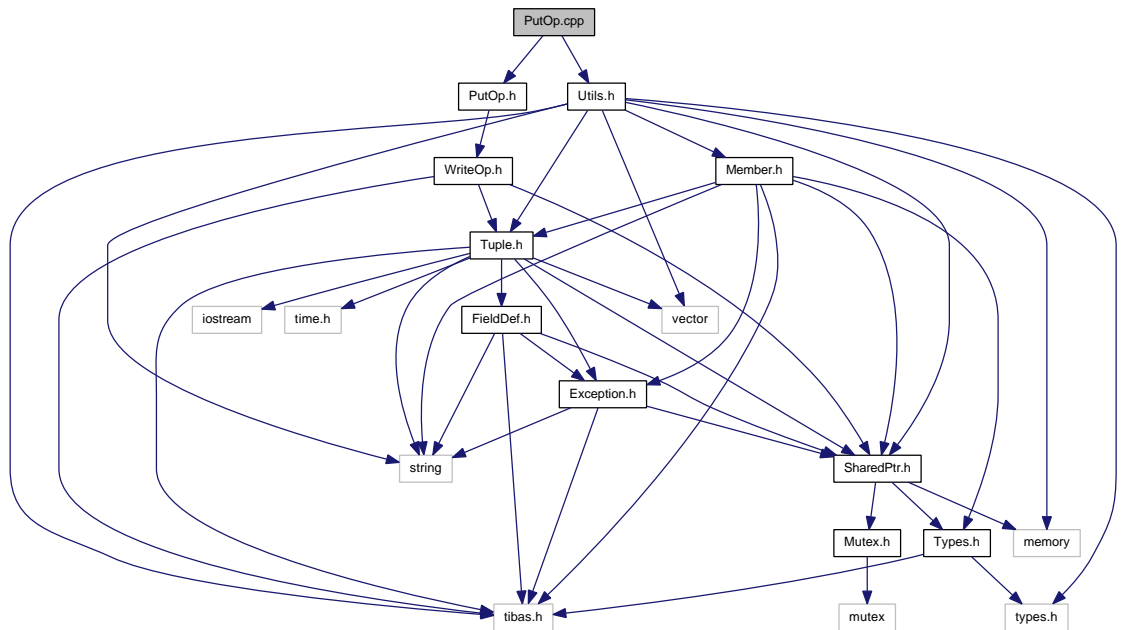
- namespace [ASApi](#)

7.81 PutOp.cpp File Reference

```
#include "PutOp.h"
```

```
#include "Utils.h"
```

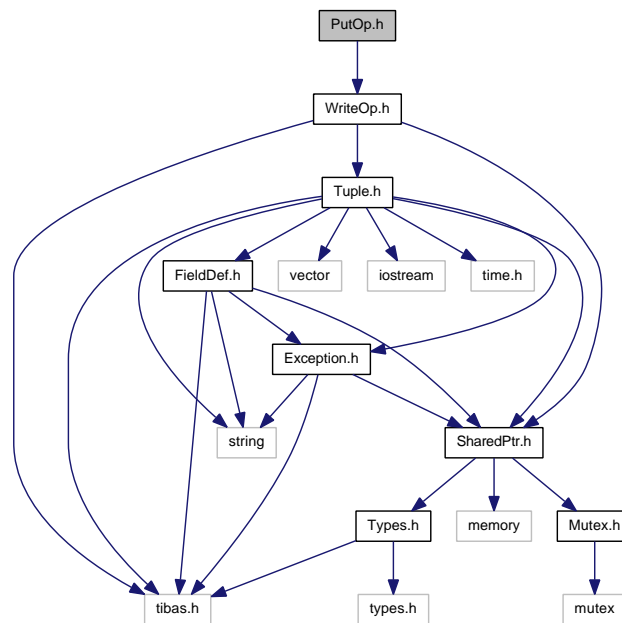
Include dependency graph for PutOp.cpp:



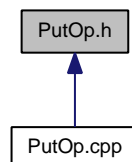
7.82 PutOp.h File Reference

```
#include "WriteOp.h"
```

Include dependency graph for PutOp.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::PutOp](#)

Namespaces

- namespace [ASApi](#)

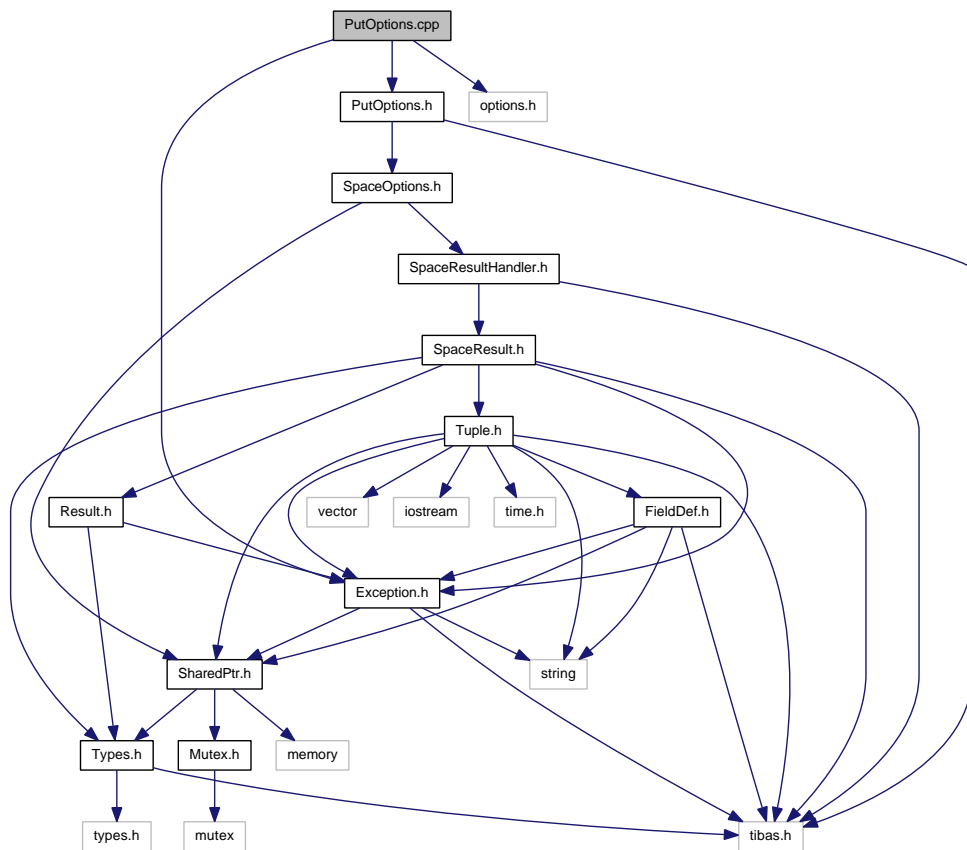
7.83 PutOptions.cpp File Reference

```
#include "PutOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for PutOptions.cpp:

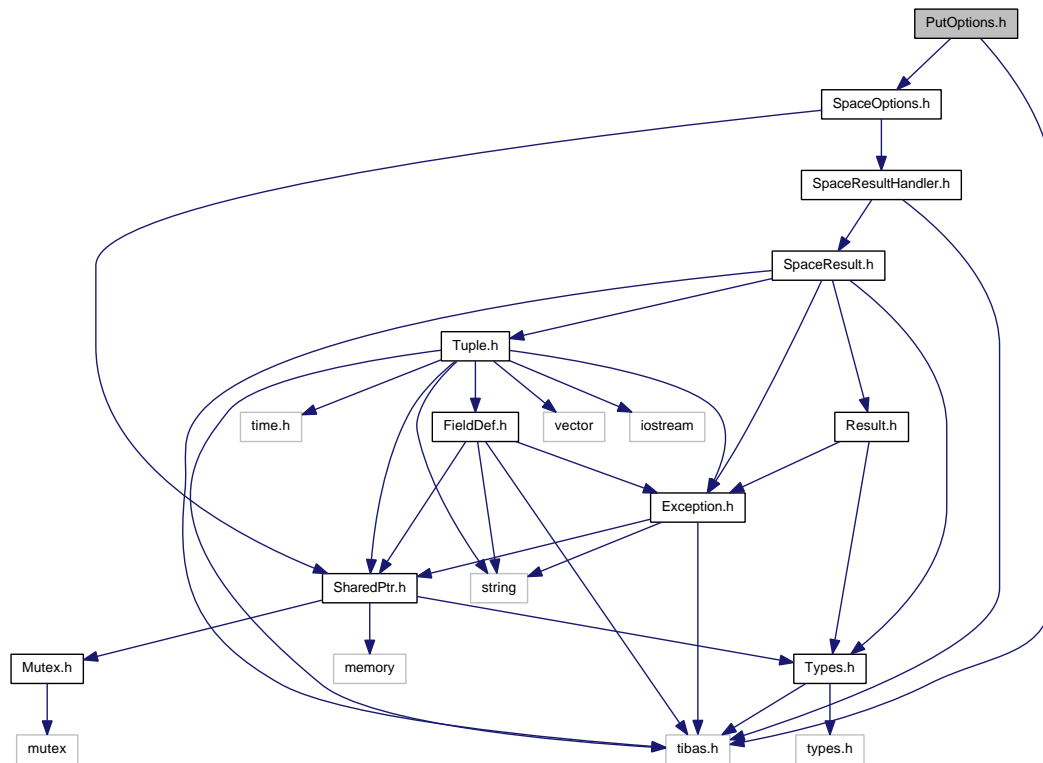


7.84 PutOptions.h File Reference

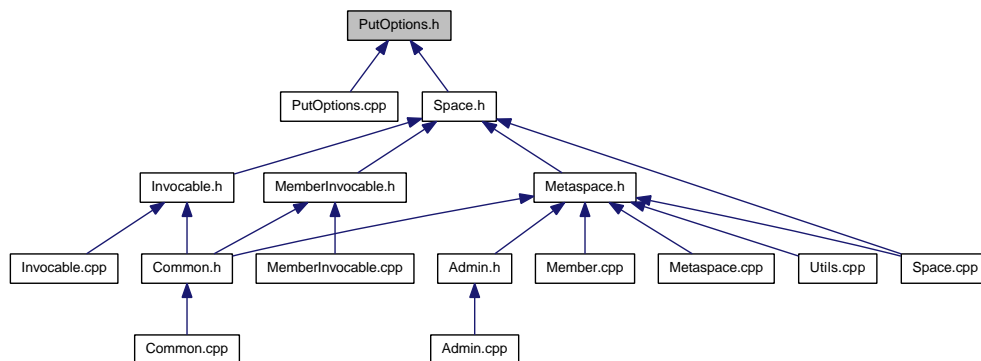
```
#include "tibas.h"
```

```
#include "SpaceOptions.h"
```

Include dependency graph for PutOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::PutOptions](#)

Namespaces

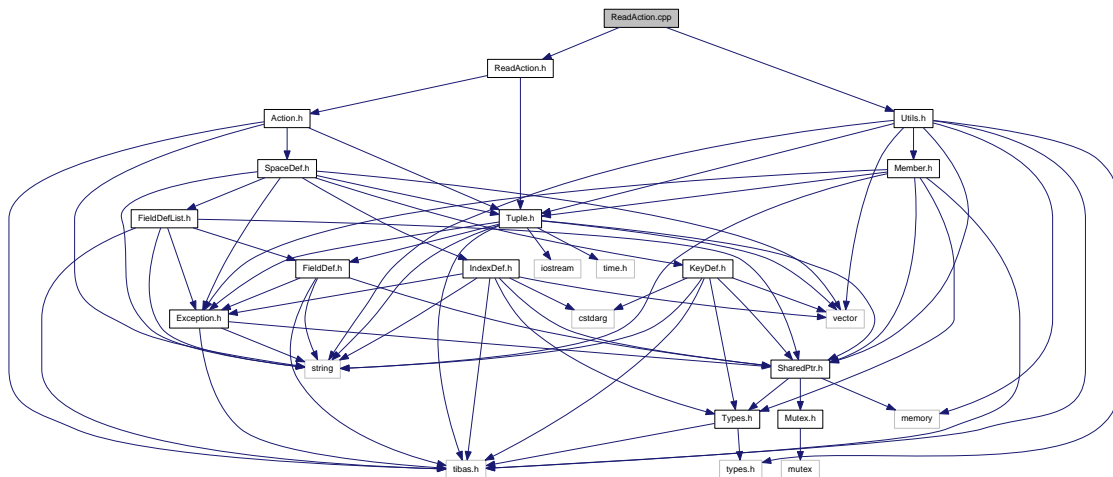
- namespace [ASApi](#)

7.85 ReadAction.cpp File Reference

```
#include "ReadAction.h"
```

```
#include "Utils.h"
```

Include dependency graph for ReadAction.cpp:

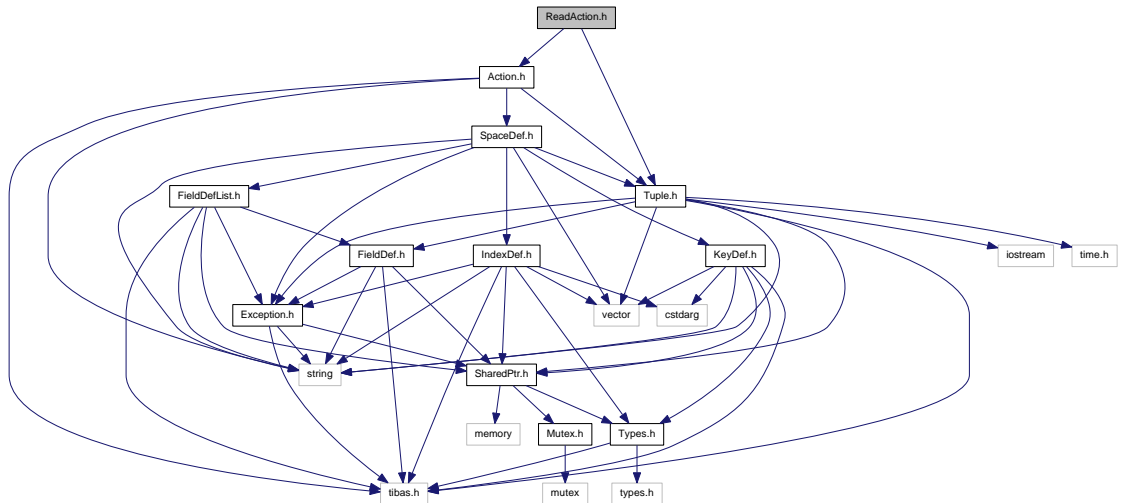


7.86 ReadAction.h File Reference

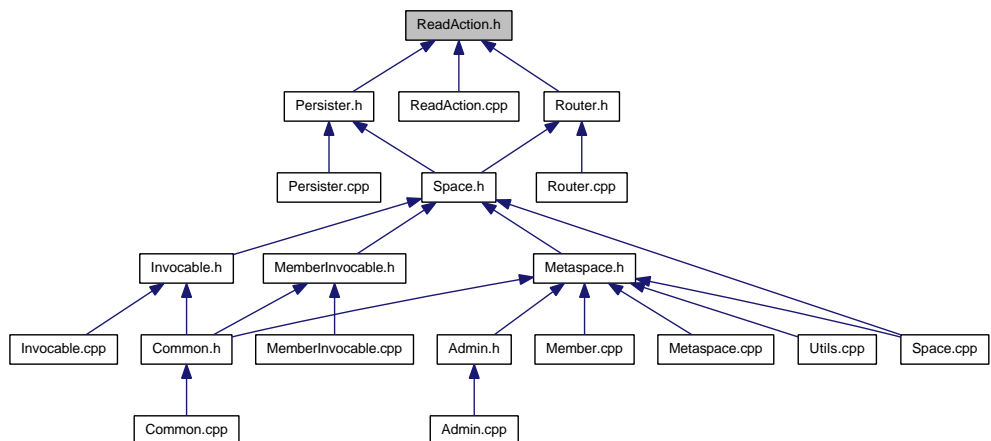
```
#include "Action.h"
```

```
#include "Tuple.h"
```

Include dependency graph for ReadAction.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ReadAction](#)

Namespaces

- namespace [ASApi](#)

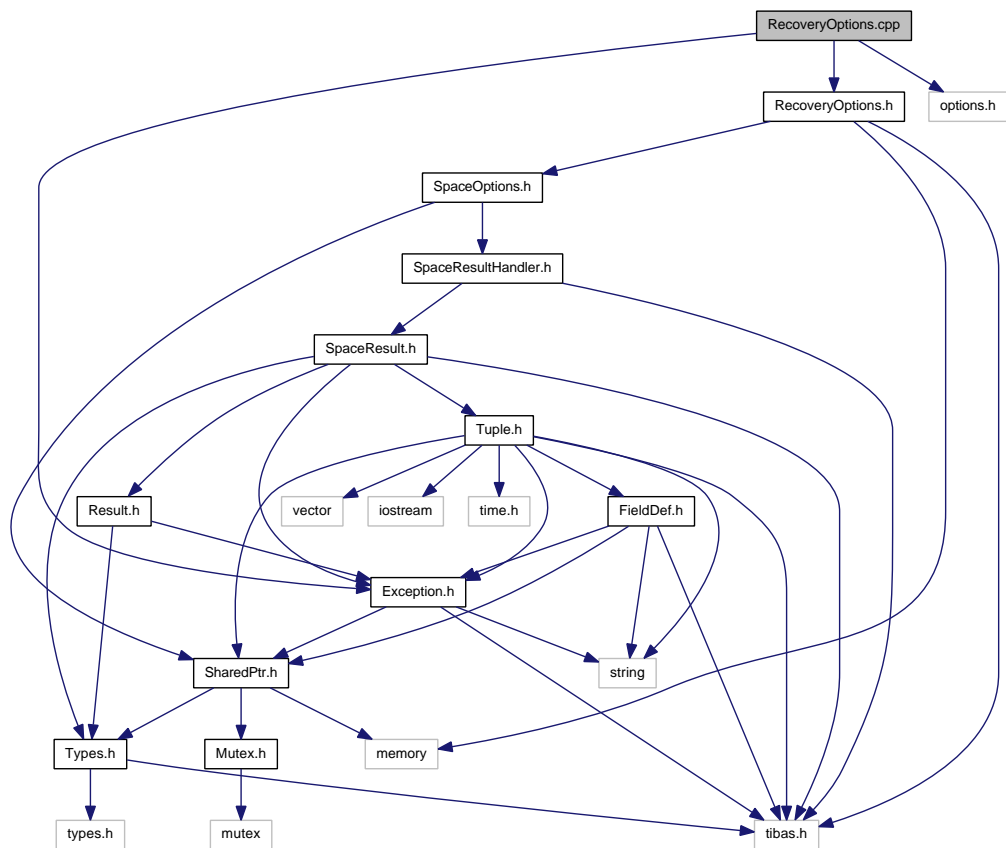
7.87 RecoveryOptions.cpp File Reference

```
#include "RecoveryOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for RecoveryOptions.cpp:



```
#include <memory>
#include "tibas.h"
#include "SpaceOptions.h"
```

```

graph TD
    RecoveryOptions.h[RecoveryOptions.h] --> SpaceOptions.h[SpaceOptions.h]
    SpaceOptions.h --> SpaceResultHandler.h[SpaceResultHandler.h]
    SpaceResultHandler.h --> SpaceResult.h[SpaceResult.h]
    SpaceResult.h --> Tuple.h[Tuple.h]
    Tuple.h --> Result.h[Result.h]
    Tuple.h --> vector
    Tuple.h --> iostream
    Tuple.h --> time.h
    Tuple.h --> FieldDef.h[FieldDef.h]
    Tuple.h --> Exception.h[Exception.h]
    Result.h --> SharedPtr.h[SharedPtr.h]
    FieldDef.h --> Exception.h
    FieldDef.h --> string
    Exception.h --> SharedPtr.h
    Exception.h --> string
    Exception.h --> tibas.h
    SharedPtr.h --> memory
    SharedPtr.h --> Types.h[Types.h]
    SharedPtr.h --> Mutex.h[Mutex.h]
    SharedPtr.h --> tibas.h
    Types.h --> tibas.h
    Mutex.h --> mutex
    Mutex.h --> tibas.h
    RecoveryOptions.h --> tibas.h
    tibas.h[tibas.h]

```

```

graph BT
    Admin.h[Admin.h] --> Admin.cpp[Admin.cpp]
    Admin.h --> Common.cpp[Common.cpp]
    Common.h[Common.h] --> Common.cpp
    Member.cpp[Member.cpp] --> Common.h
    Metaspace.cpp[Metaspace.cpp] --> Member.cpp
    Metaspace.cpp --> Metaspace.h[Metaspace.h]
    Metaspace.cpp --> Space.cpp[Space.cpp]
    Space.cpp --> Metaspace.h
    Utils.cpp[Utils.cpp] --> Metaspace.h
    RecoveryOptions.h[RecoveryOptions.h] --> Metaspace.h
    RecoveryOptions.h --> RecoveryOptions.cpp[RecoveryOptions.cpp]
    RecoveryOptions.cpp --> Metaspace.h
  
```

Classes

- class [ASApi::RecoveryOptions](#)

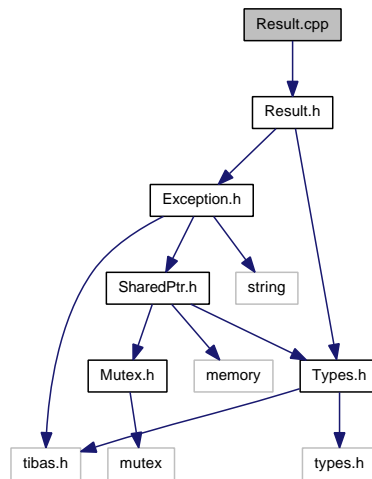
Namespaces

- namespace [ASApi](#)

7.89 Result.cpp File Reference

```
#include "Result.h"
```

Include dependency graph for Result.cpp:

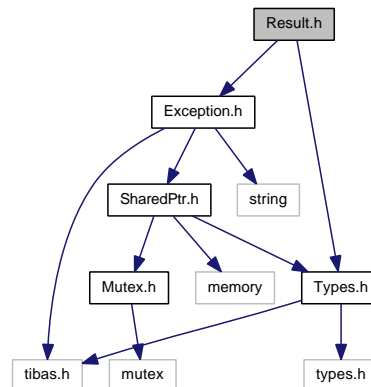


7.90 Result.h File Reference

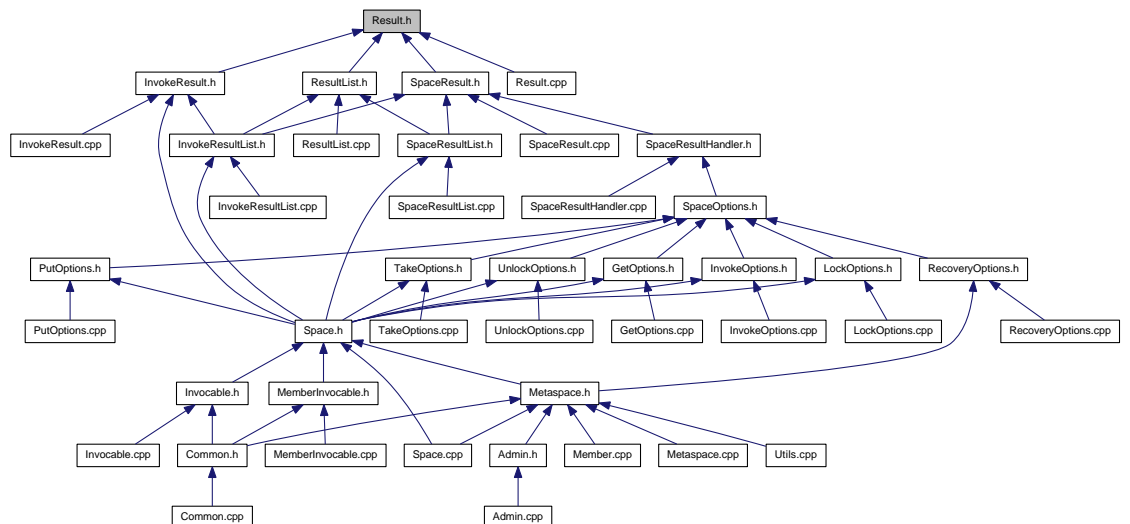
```
#include "Exception.h"
```

```
#include "Types.h"
```

Include dependency graph for Result.h:



This graph shows which files directly or indirectly include this file:



Classes

- class `ASApi::Result`

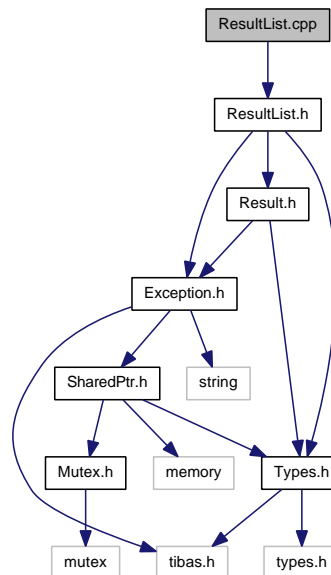
Namespaces

- namespace [ASApi](#)

7.91 ResultList.cpp File Reference

```
#include "ResultList.h"
```

Include dependency graph for ResultList.cpp:



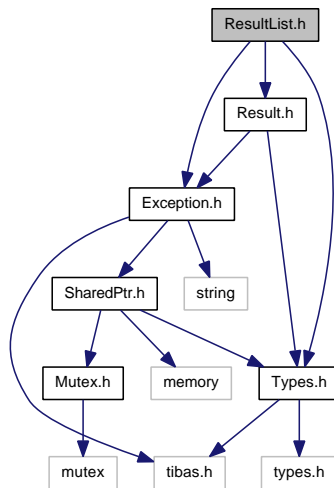
7.92 ResultList.h File Reference

```
#include "Exception.h"
```

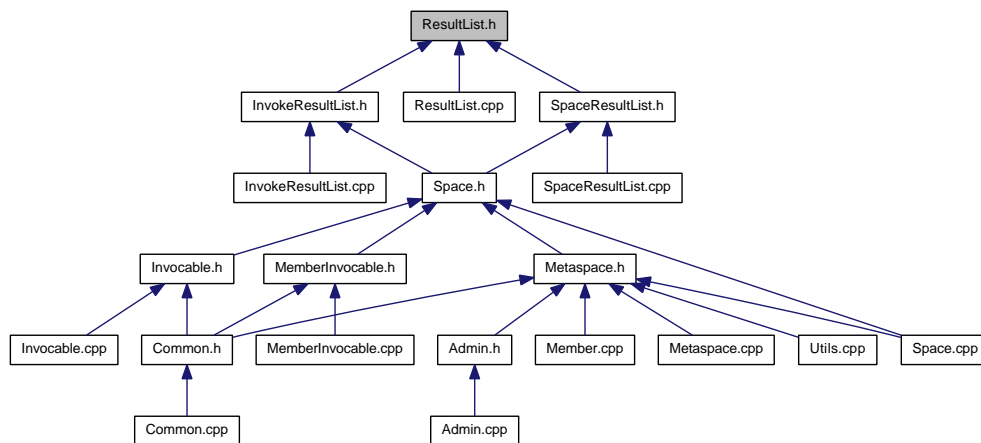
```
#include "Result.h"
```

```
#include "Types.h"
```

Include dependency graph for ResultList.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::ResultList](#)

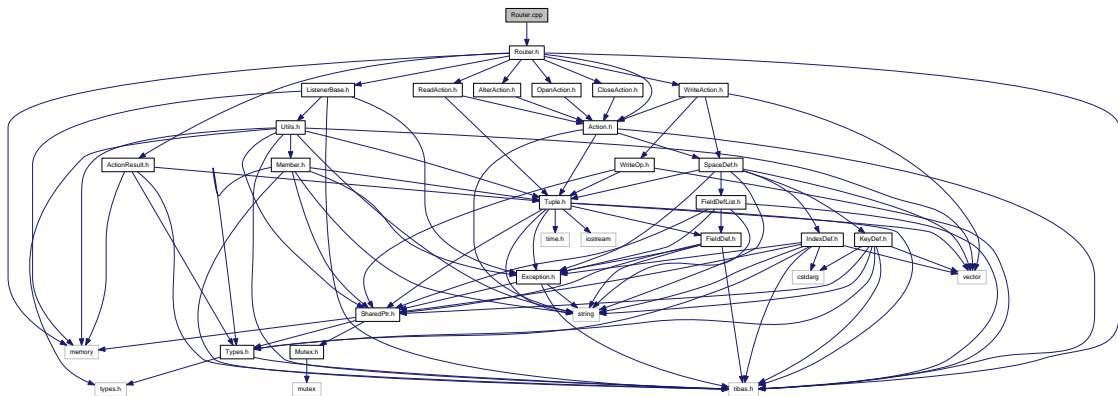
Namespaces

- namespace [ASApi](#)

7.93 Router.cpp File Reference

```
#include "Router.h"
```

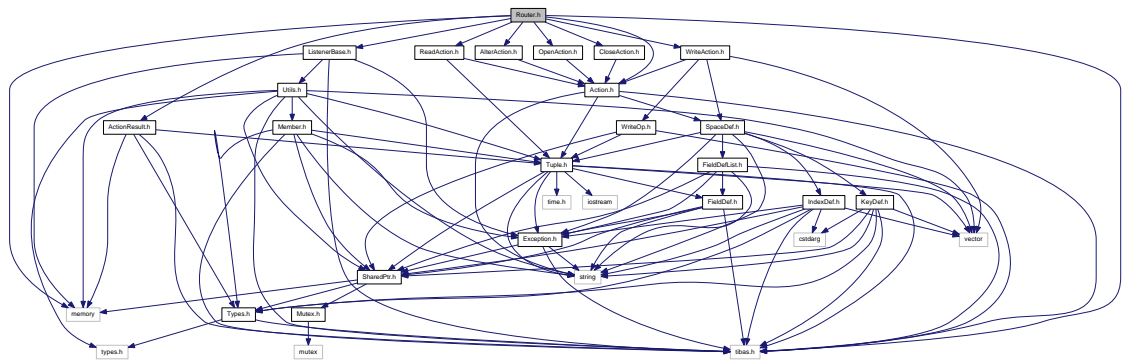
Include dependency graph for Router.cpp:



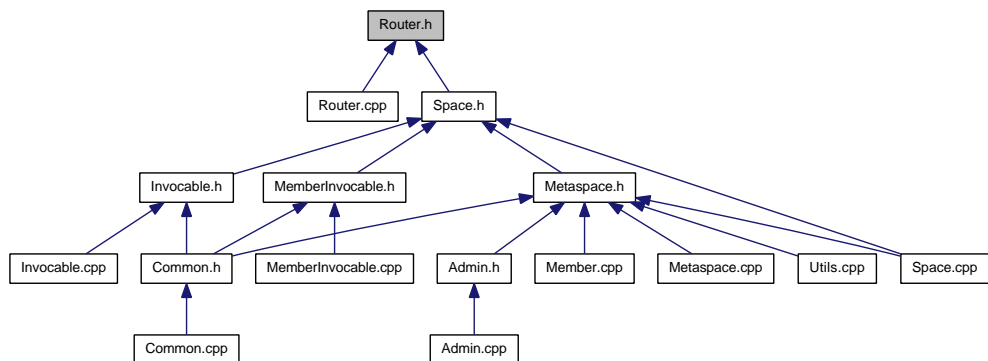
7.94 Router.h File Reference

```
#include "tibas.h"
#include <memory>
#include "Action.h"
#include "ReadAction.h"
#include "WriteAction.h"
#include "AlterAction.h"
#include "ActionResult.h"
#include "ListenerBase.h"
#include "OpenAction.h"
#include "CloseAction.h"
```

Include dependency graph for Router.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Router](#)

Namespaces

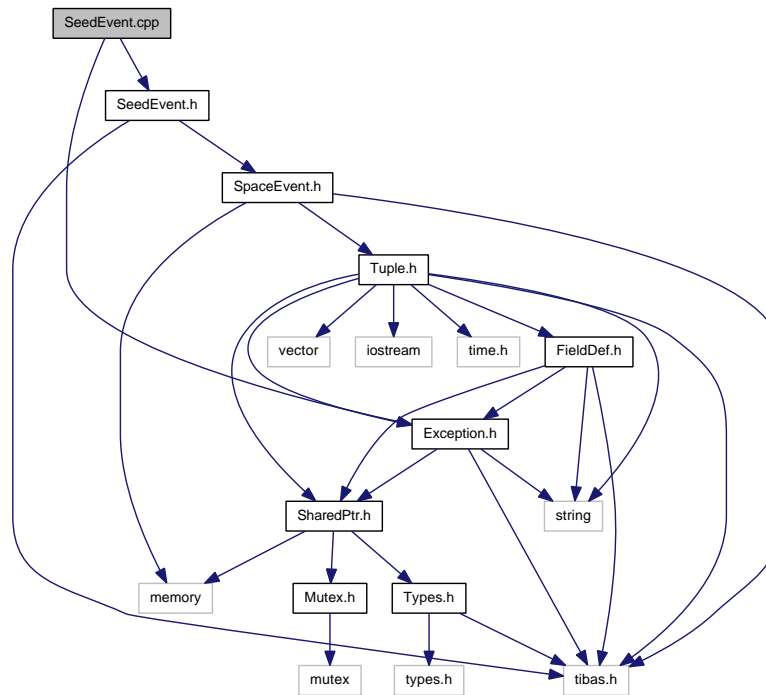
- namespace [ASApi](#)

7.95 SeedEvent.cpp File Reference

```
#include "SeedEvent.h"
```

```
#include "Exception.h"
```

Include dependency graph for SeedEvent.cpp:

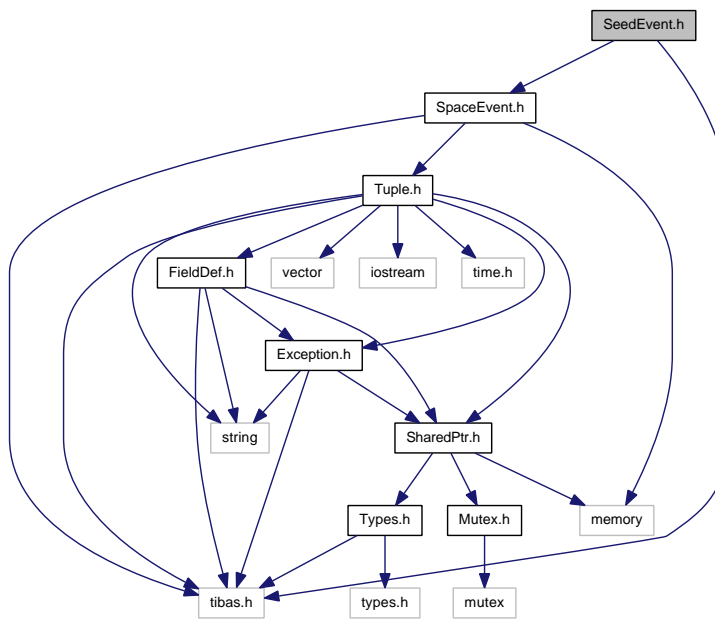


7.96 SeedEvent.h File Reference

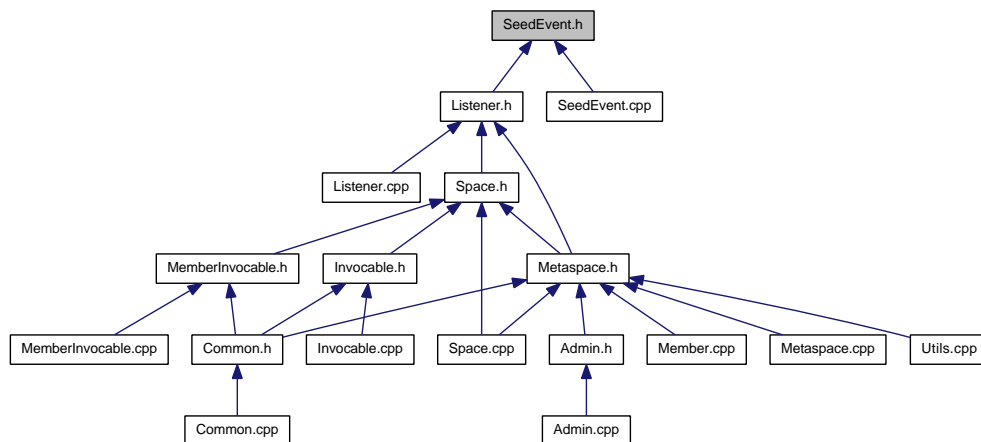
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for SeedEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SeedEvent](#)

Namespaces

- namespace [ASApi](#)

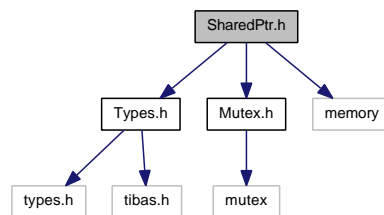
7.97 SharedPtr.h File Reference

```
#include "Types.h"
```

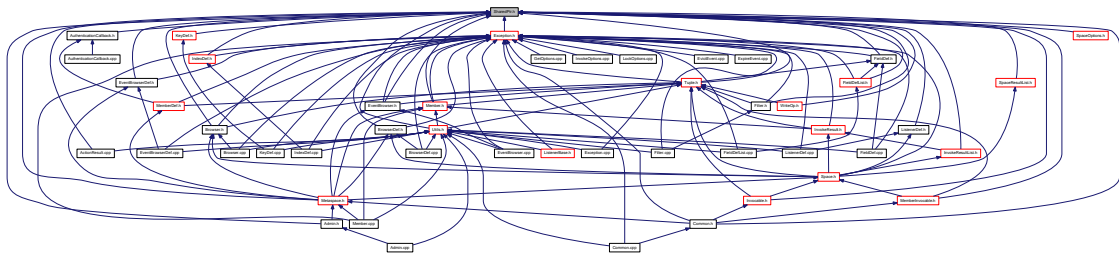
```
#include "Mutex.h"
```

```
#include <memory>
```

Include dependency graph for SharedPtr.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SharedPtr< T >](#)

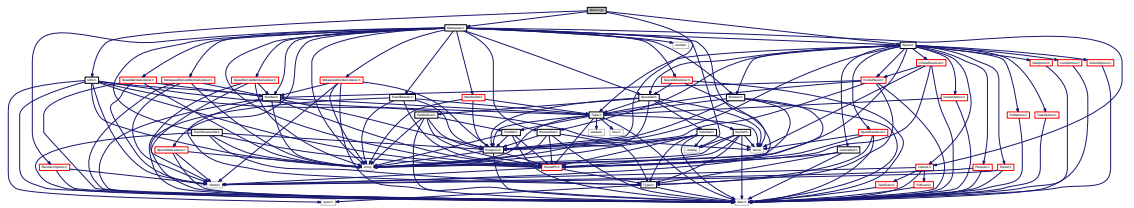
Namespaces

- namespace [ASApi](#)

7.98 Space.cpp File Reference

```
#include "Space.h"  
#include "Exception.h"  
#include "Utils.h"  
#include "Metaspace.h"
```

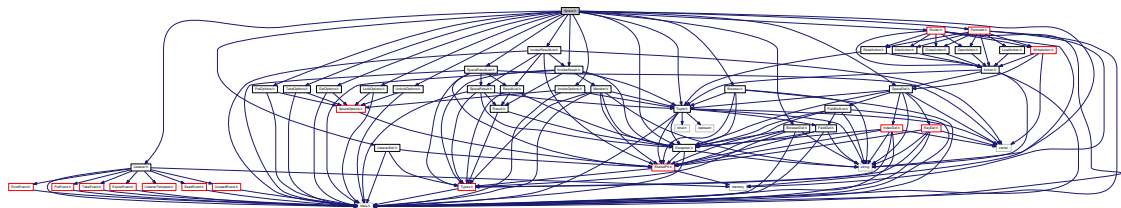
Include dependency graph for Space.cpp:



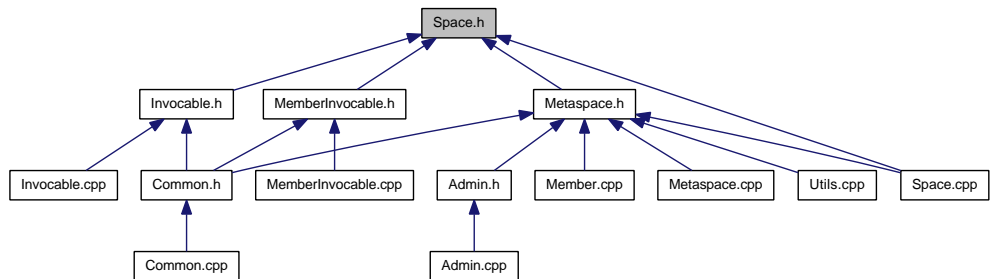
7.99 Space.h File Reference

```
#include <string>
#include "Exception.h"
#include "Tuple.h"
#include "SpaceDef.h"
#include "Browser.h"
#include "BrowserDef.h"
#include "Listener.h"
#include "ListenerDef.h"
#include "PutOptions.h"
#include "TakeOptions.h"
#include "GetOptions.h"
#include "LockOptions.h"
#include "UnlockOptions.h"
#include "SpaceResultList.h"
#include "InvokeOptions.h"
#include "InvokeResult.h"
#include "InvokeResultList.h"
#include "Persister.h"
#include "Router.h"
```

Include dependency graph for Space.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Space](#)

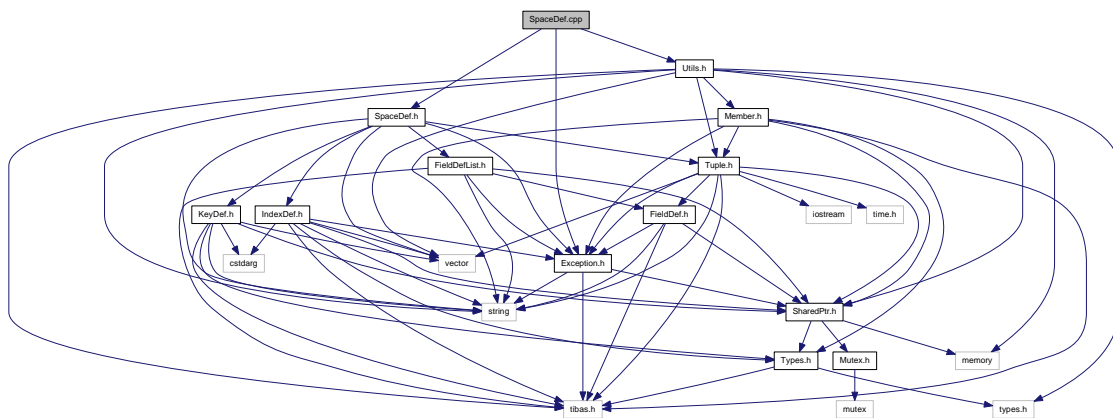
Namespaces

- namespace [ASApi](#)

7.100 SpaceDef.cpp File Reference

```
#include "SpaceDef.h"
#include "Exception.h"
#include "Utils.h"
```

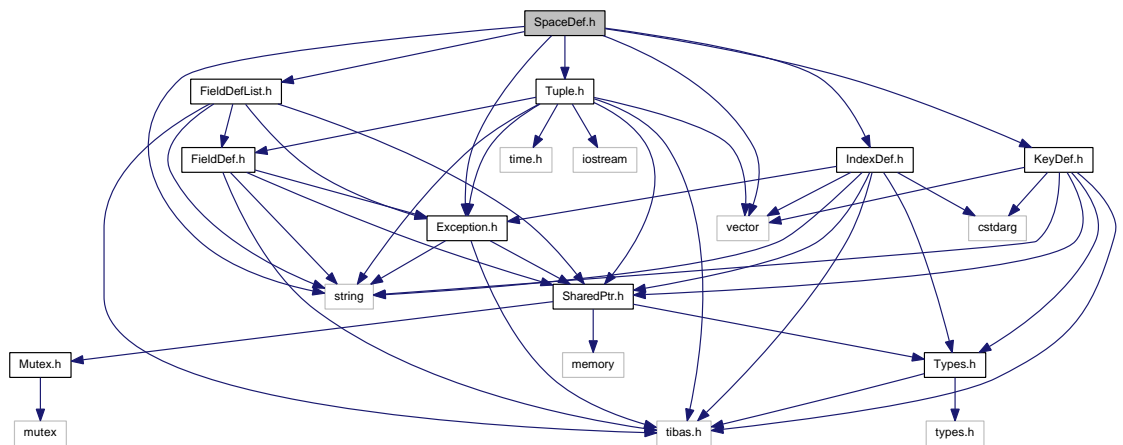
Include dependency graph for SpaceDef.cpp:



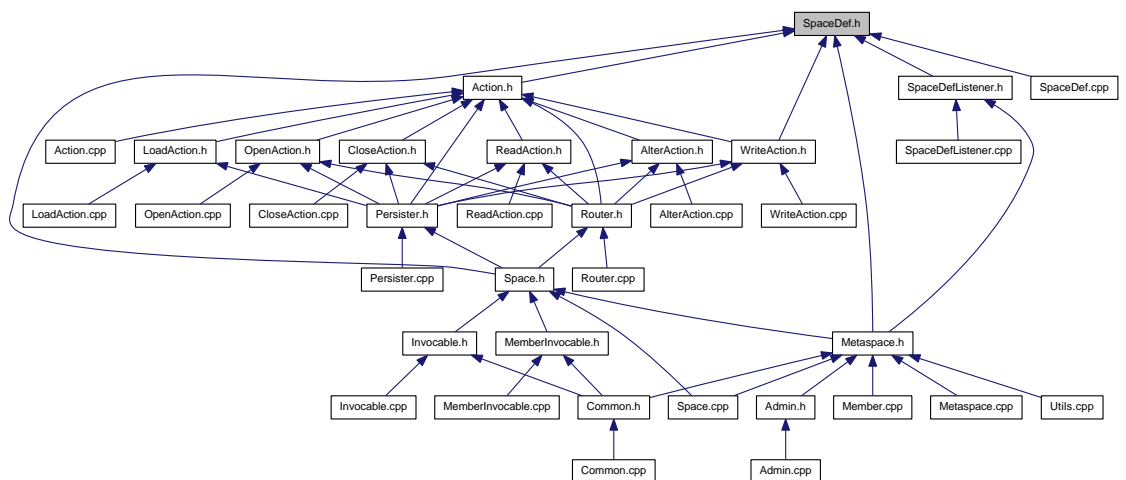
7.101 SpaceDef.h File Reference

```
#include <string>
#include <vector>
#include "Tuple.h"
#include "FieldDefList.h"
#include "KeyDef.h"
#include "IndexDef.h"
#include "Exception.h"
```

Include dependency graph for SpaceDef.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceDef](#)

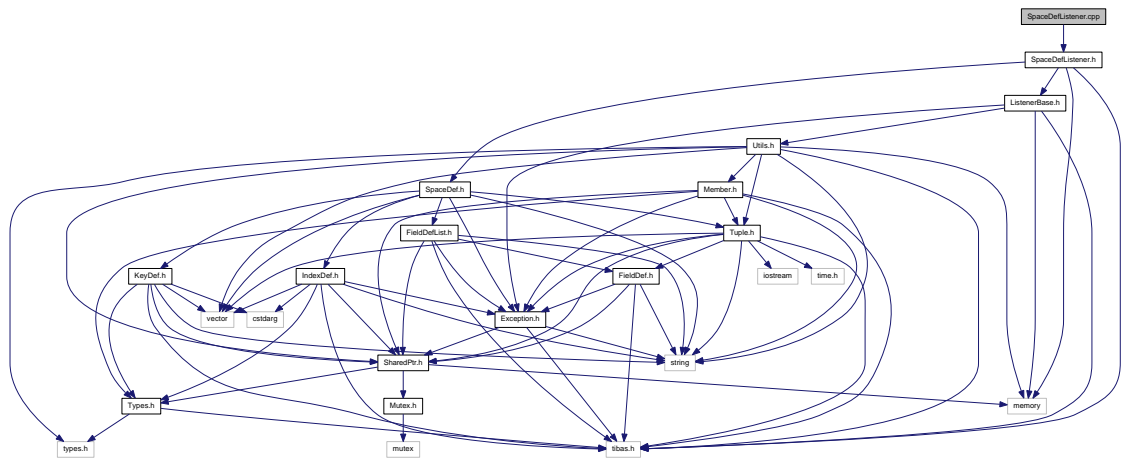
Namespaces

- namespace [ASApi](#)

7.102 SpaceDefListener.cpp File Reference

```
#include "SpaceDefListener.h"
```

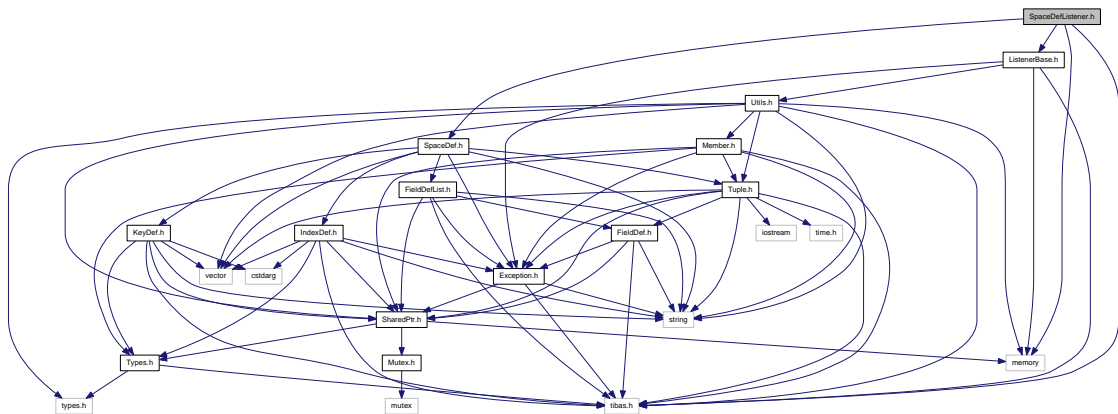
Include dependency graph for SpaceDefListener.cpp:



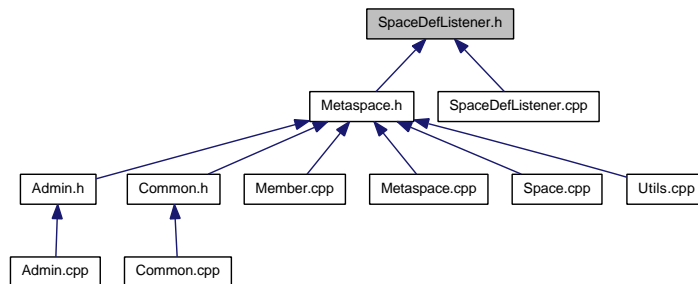
7.103 SpaceDefListener.h File Reference

```
#include "tibas.h"
#include "SpaceDef.h"
#include "ListenerBase.h"
#include <memory>
```

Include dependency graph for SpaceDefListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceDefListener](#)

Namespaces

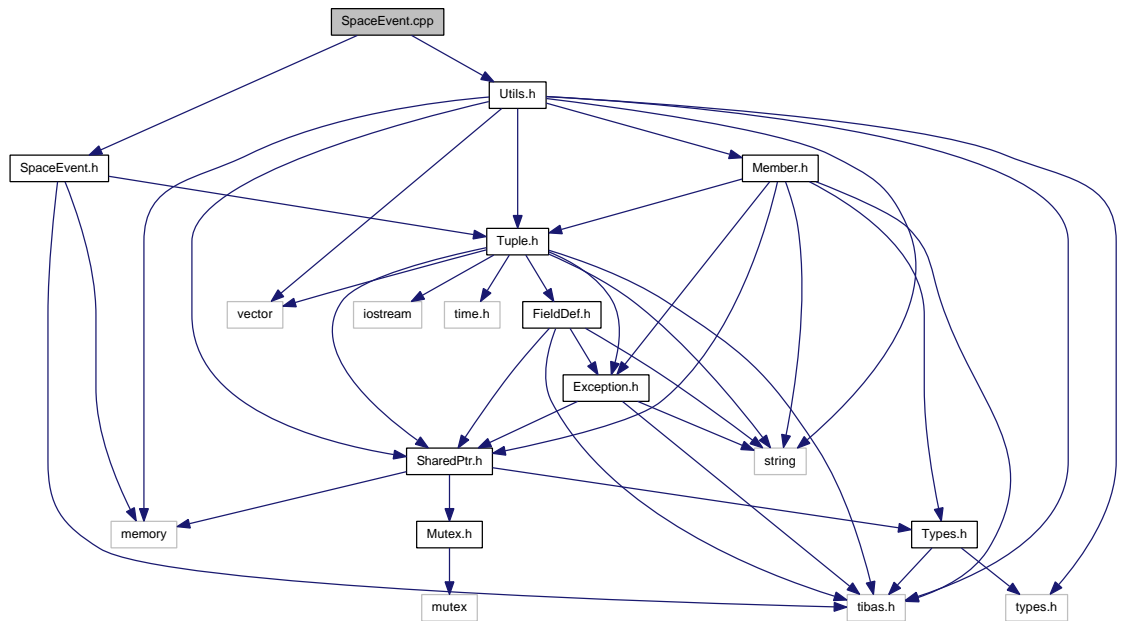
- namespace [ASApi](#)

7.104 SpaceEvent.cpp File Reference

```
#include "SpaceEvent.h"
```

```
#include "Utils.h"
```

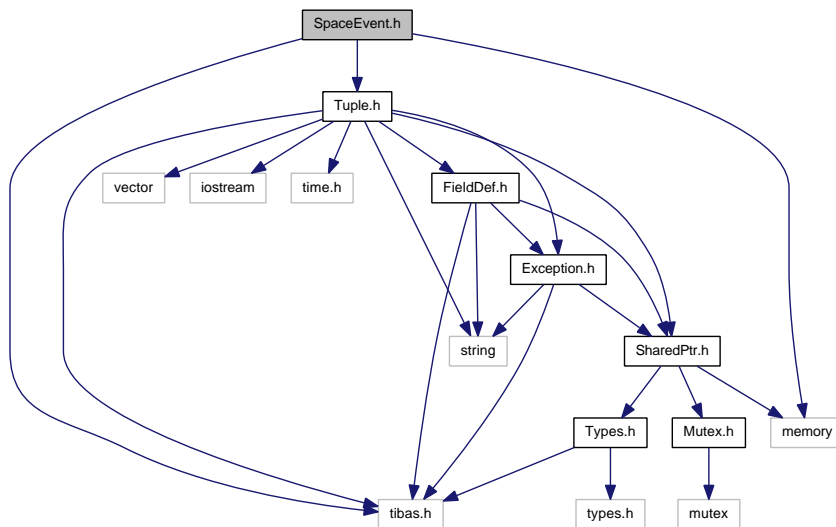
Include dependency graph for SpaceEvent.cpp:



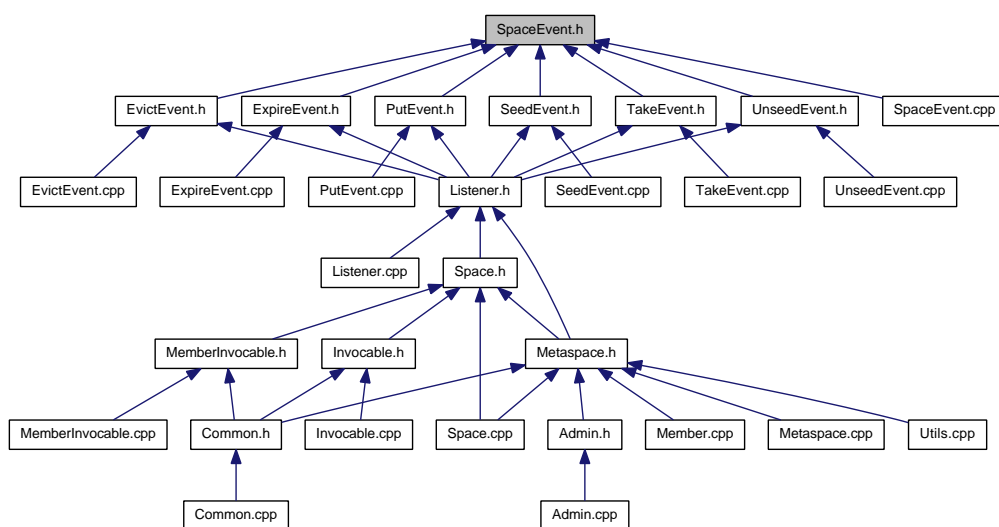
7.105 SpaceEvent.h File Reference

```
#include "tibas.h"
#include "Tuple.h"
#include <memory>
```

Include dependency graph for SpaceEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceEvent](#)

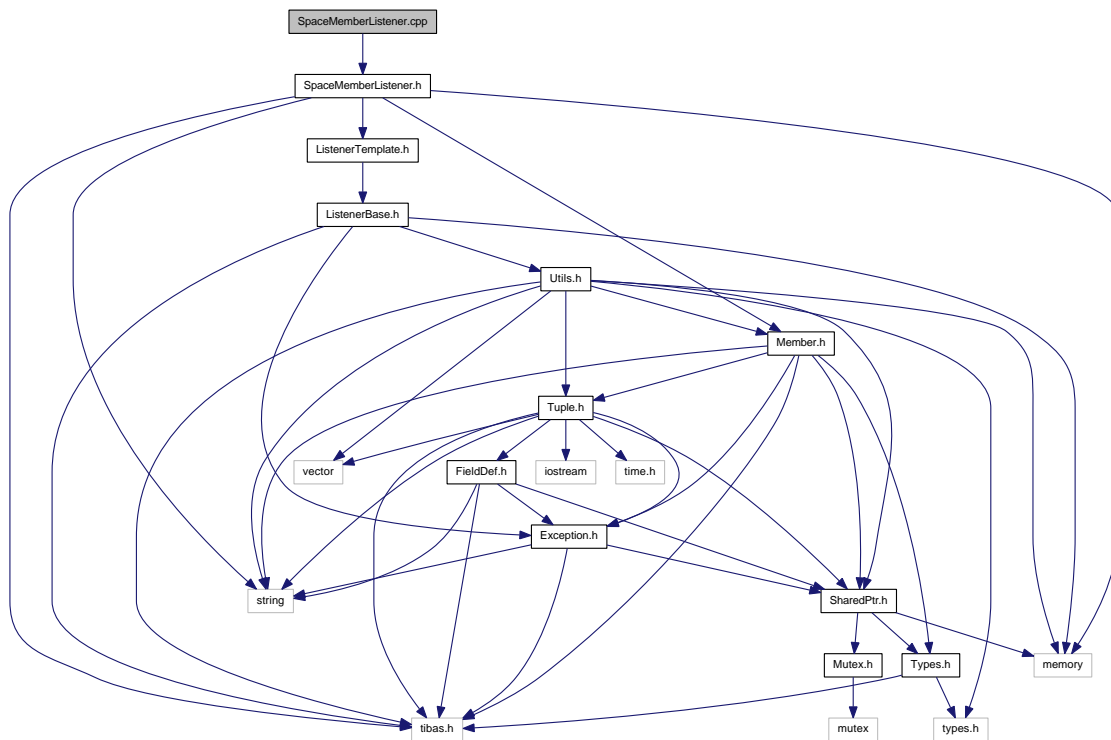
Namespaces

- namespace [ASApi](#)

7.106 SpaceMemberListener.cpp File Reference

```
#include "SpaceMemberListener.h"
```

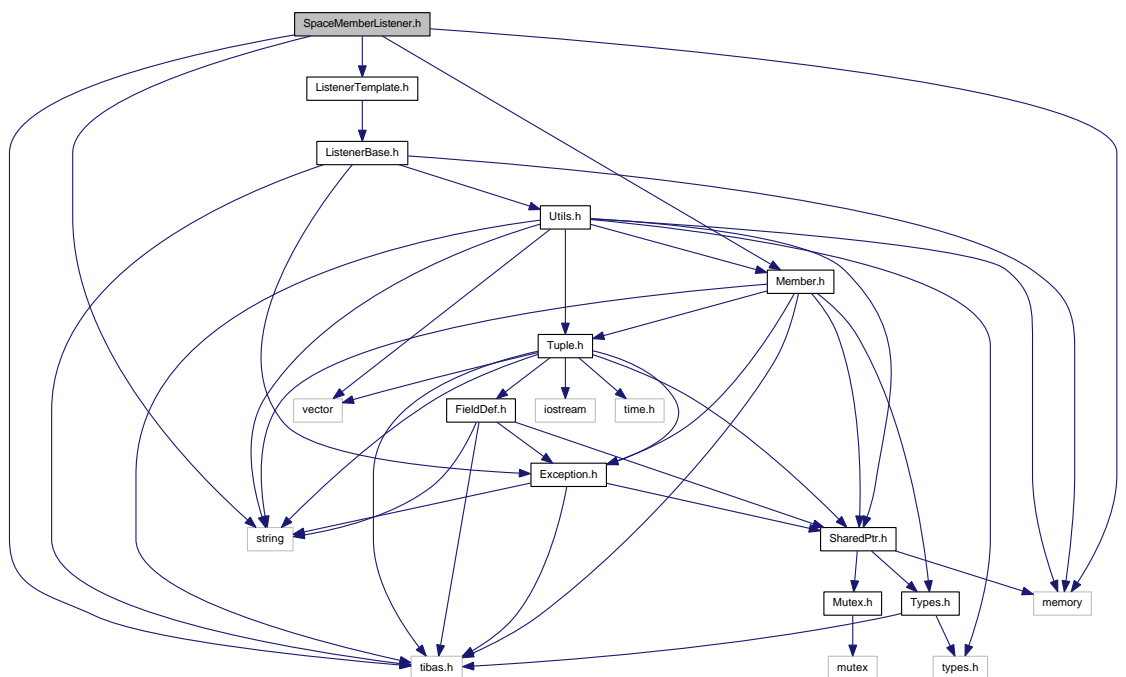
Include dependency graph for SpaceMemberListener.cpp:



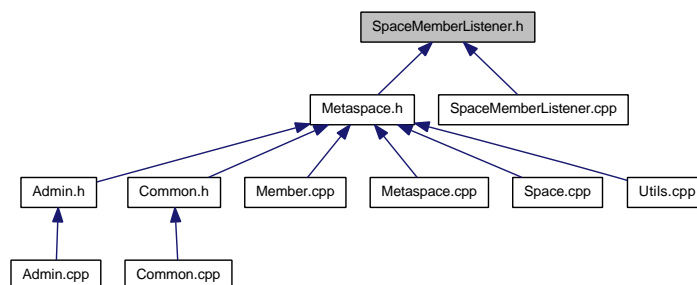
7.107 SpaceMemberListener.h File Reference

```
#include "tibas.h"
#include <memory>
#include <string>
#include "ListenerTemplate.h"
#include "Member.h"
```

Include dependency graph for SpaceMemberListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceMemberListener](#)

Namespaces

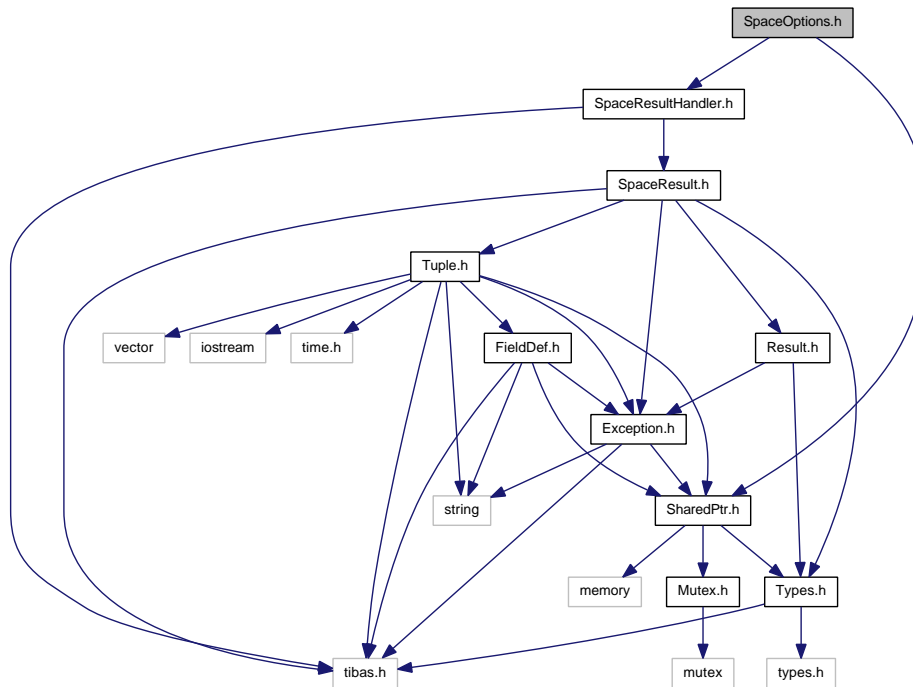
- namespace [ASApi](#)

7.108 SpaceOptions.h File Reference

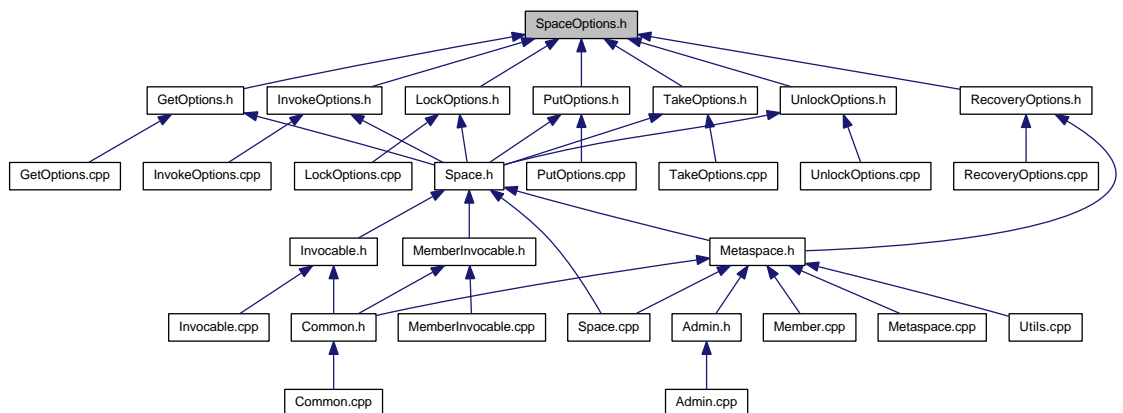
```
#include "SpaceResultHandler.h"
```

```
#include "SharedPtr.h"
```

Include dependency graph for SpaceOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceOptions< OptionsType, tibasType >](#)

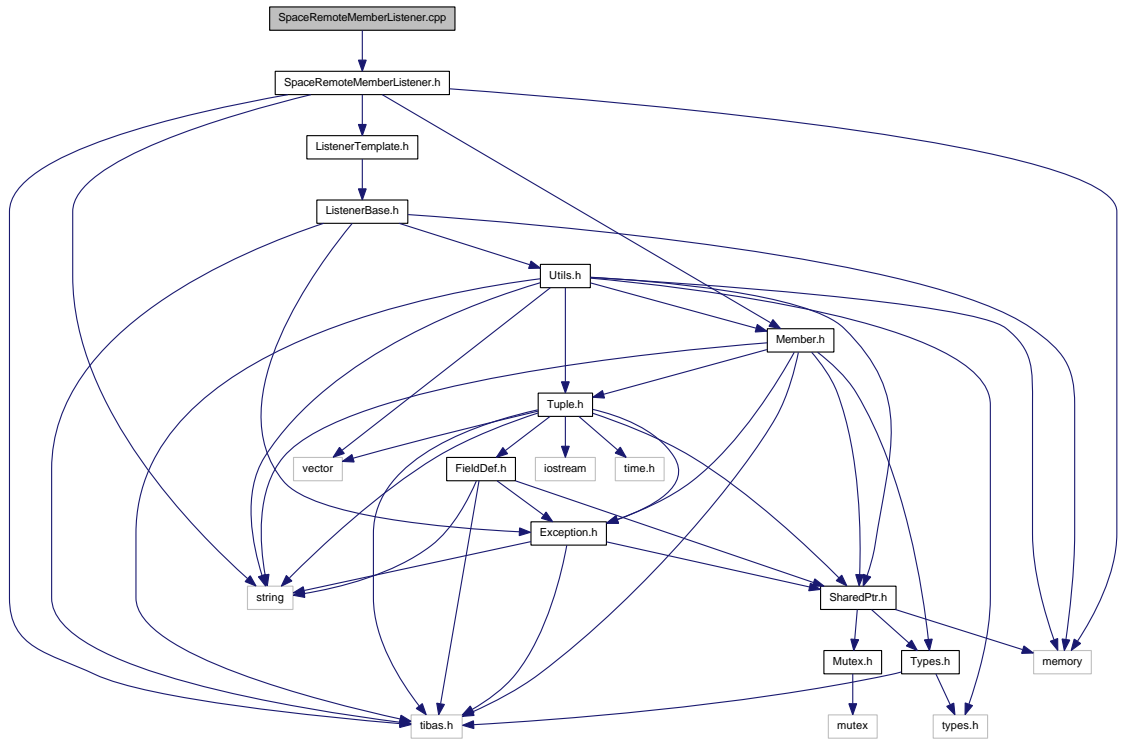
Namespaces

- namespace [ASApi](#)

7.109 SpaceRemoteMemberListener.cpp File Reference

```
#include "SpaceRemoteMemberListener.h"
```

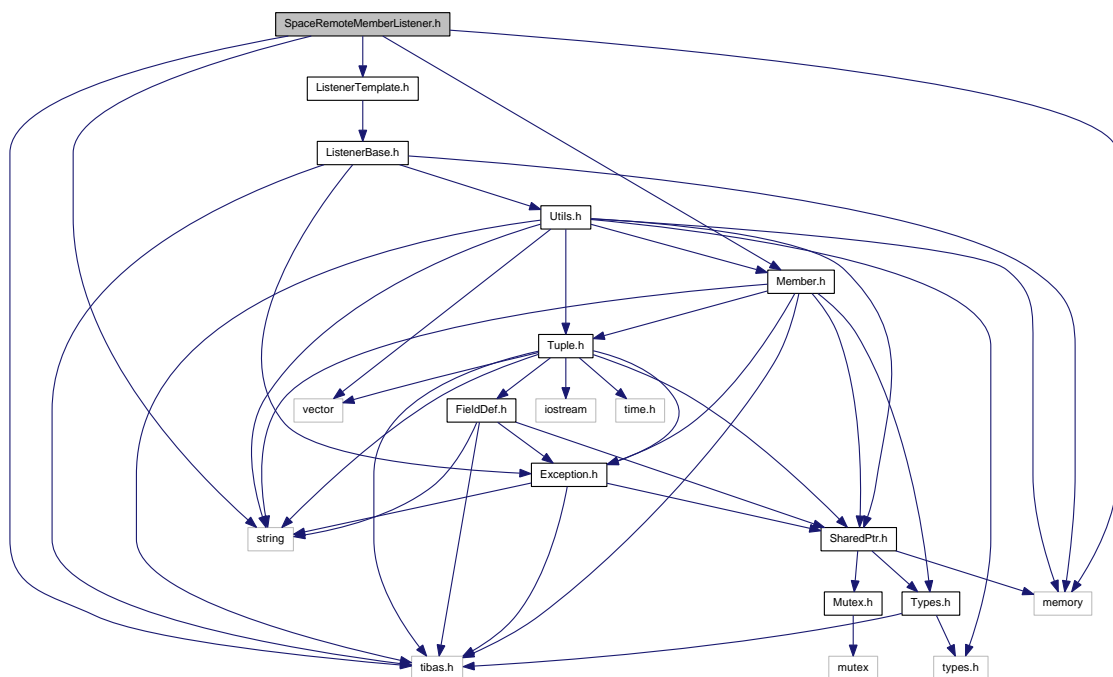
Include dependency graph for SpaceRemoteMemberListener.cpp:



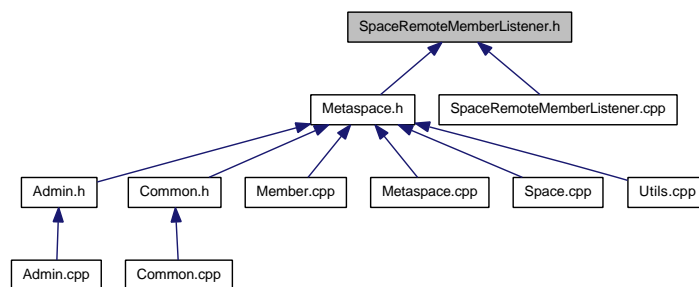
7.110 SpaceRemoteMemberListener.h File Reference

```
#include "tibas.h"
#include <memory>
#include <string>
#include "ListenerTemplate.h"
#include "Member.h"
```

Include dependency graph for SpaceRemoteMemberListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceRemoteMemberListener](#)

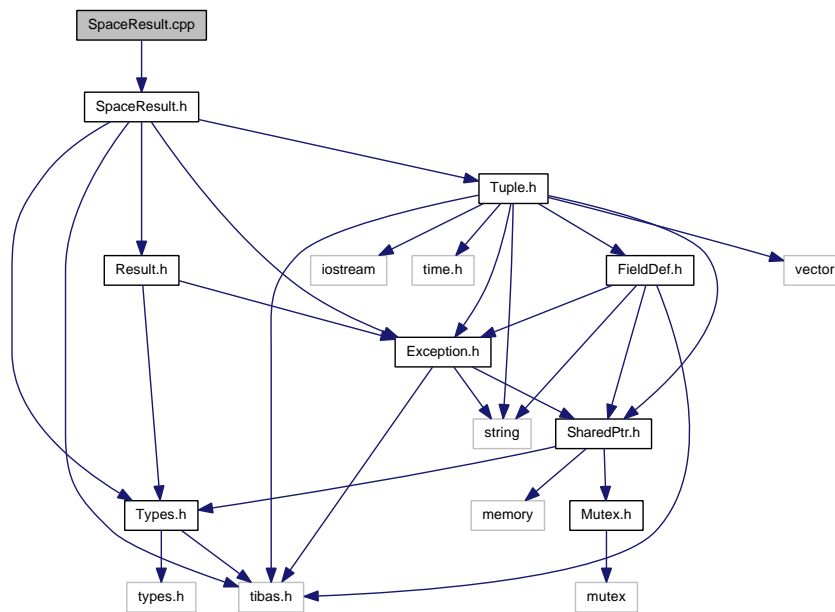
Namespaces

- namespace [ASApi](#)

7.111 SpaceResult.cpp File Reference

```
#include "SpaceResult.h"
```

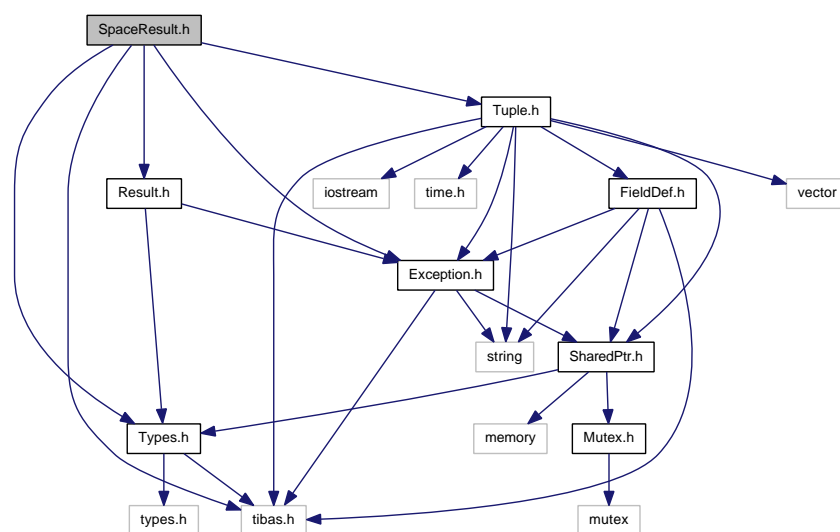
Include dependency graph for SpaceResult.cpp:



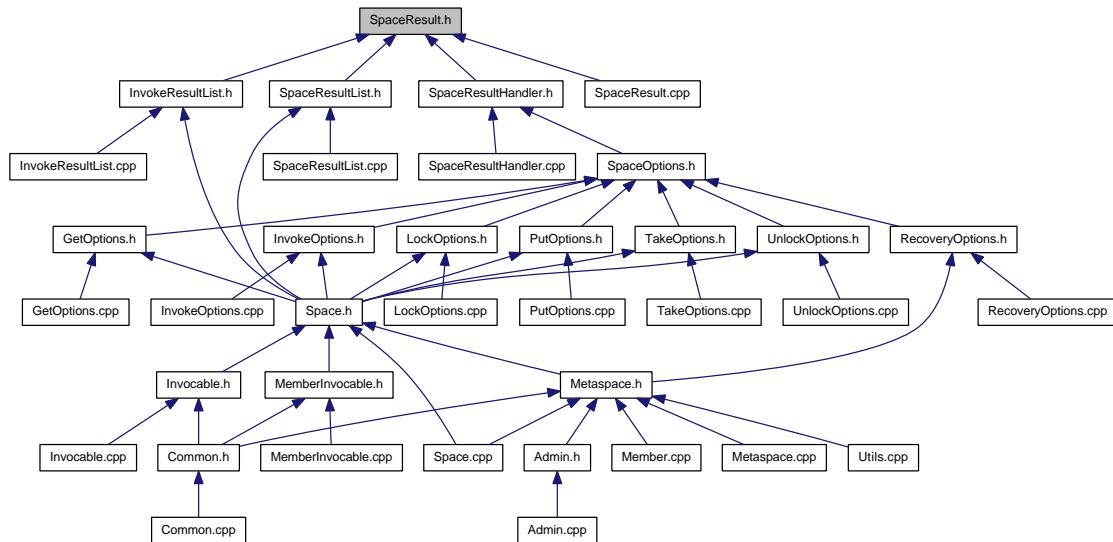
7.112 SpaceResult.h File Reference

```
#include "tibas.h"  
#include "Exception.h"  
#include "Tuple.h"  
#include "Result.h"  
#include "Types.h"
```

Include dependency graph for SpaceResult.h:



This graph shows which files directly or indirectly include this file:



Classes

- class `ASApi::SpaceResult`

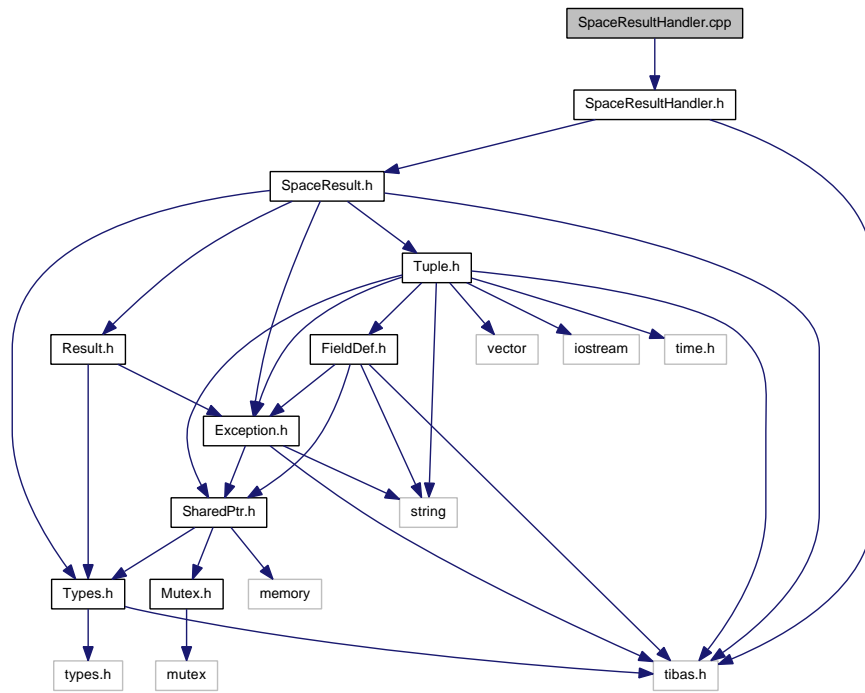
Namespaces

- namespace [ASApi](#)

7.113 SpaceResultHandler.cpp File Reference

```
#include "SpaceResultHandler.h"
```

Include dependency graph for SpaceResultHandler.cpp:

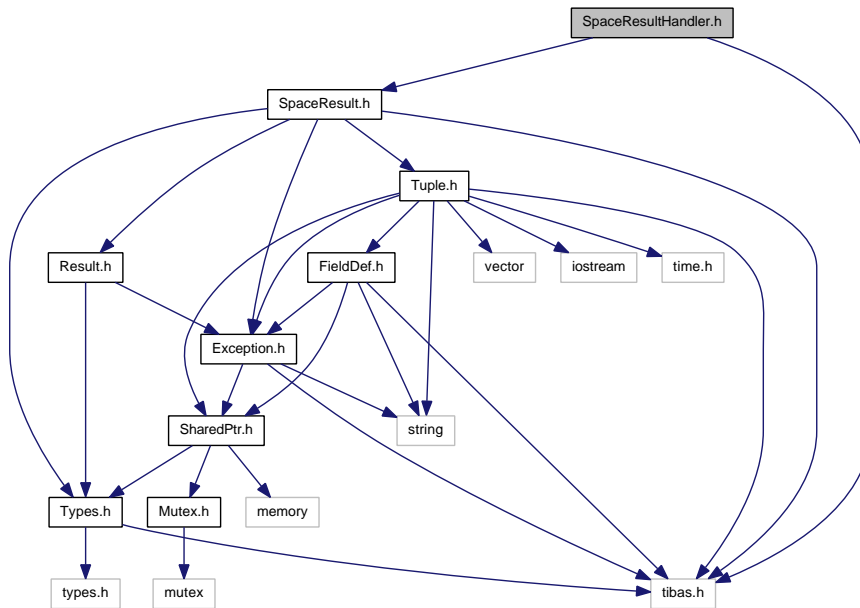


7.114 SpaceResultHandler.h File Reference

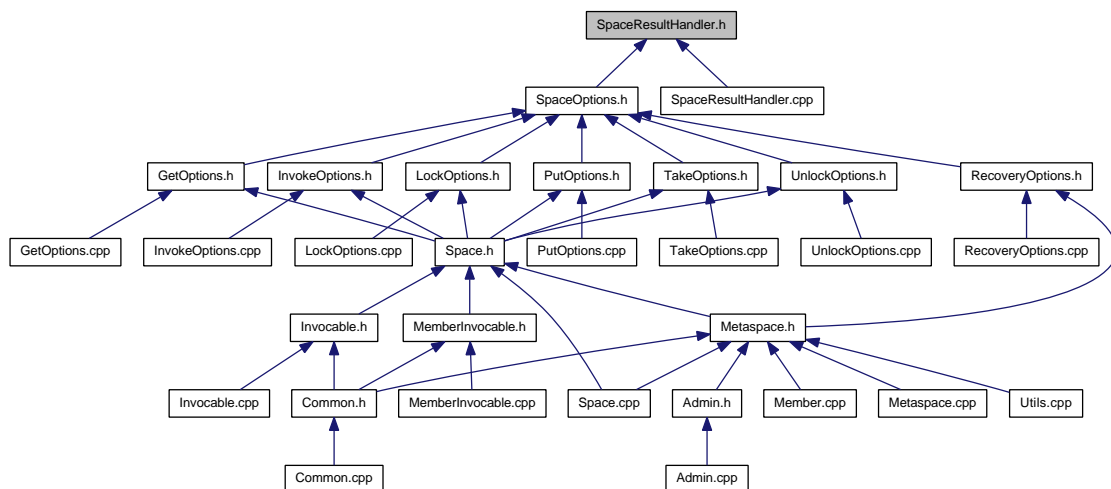
```
#include "SpaceResult.h"
```

```
#include "tibas.h"
```

Include dependency graph for SpaceResultHandler.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceResultHandler](#)
- struct [ASApi::SpaceResultHandler::Closure](#)

Namespaces

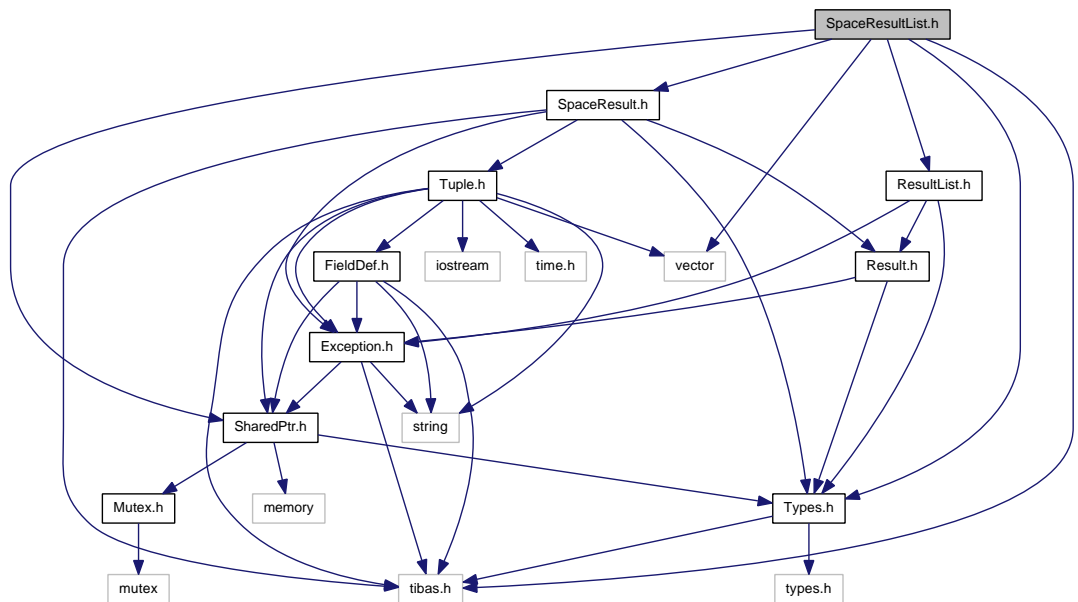
- namespace [ASApi](#)

```
#include "SpaceResultList.h"
```

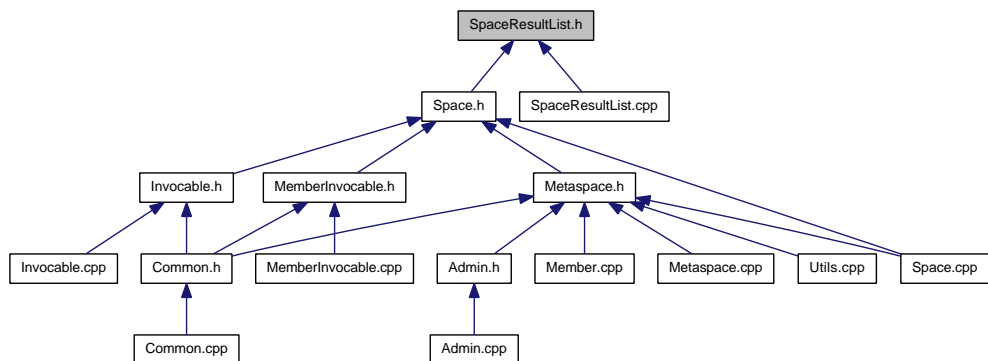
7.116 SpaceResultList.h File Reference

```
#include "tibas.h"
#include "SpaceResult.h"
#include "ResultList.h"
#include "Types.h"
#include <vector>
#include "SharedPtr.h"
```

Include dependency graph for SpaceResultList.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceResultList](#)

Namespaces

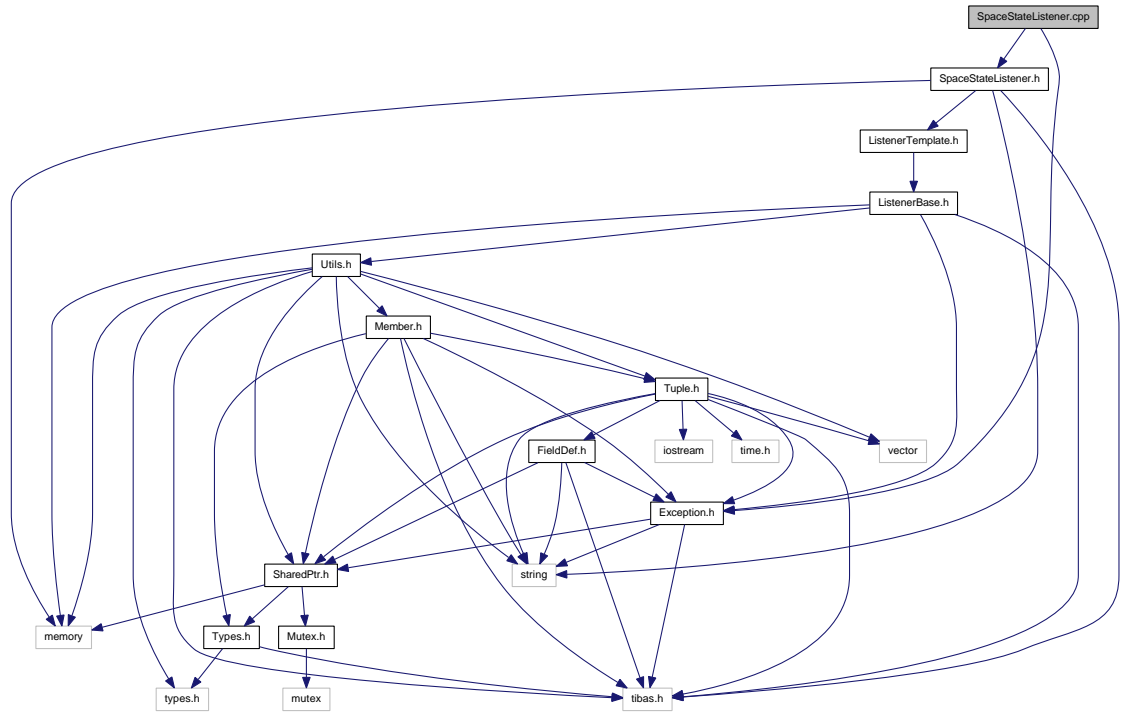
- namespace [ASApi](#)

7.117 SpaceStateListener.cpp File Reference

```
#include "Exception.h"
```

```
#include "SpaceStateListener.h"
```

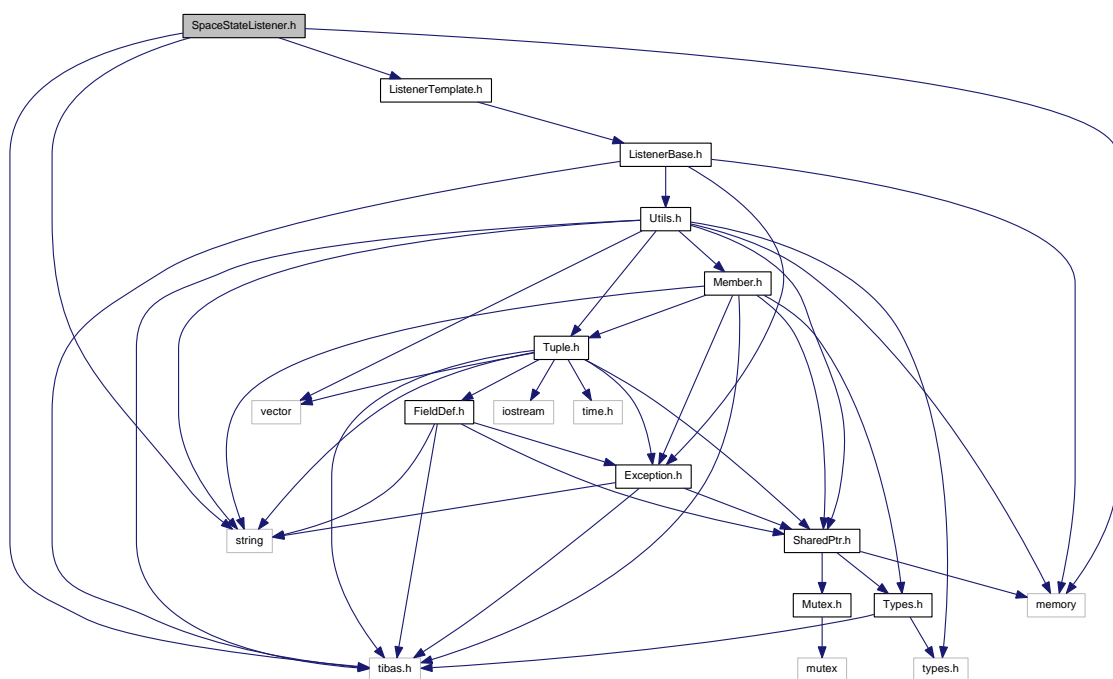
Include dependency graph for SpaceStateListener.cpp:



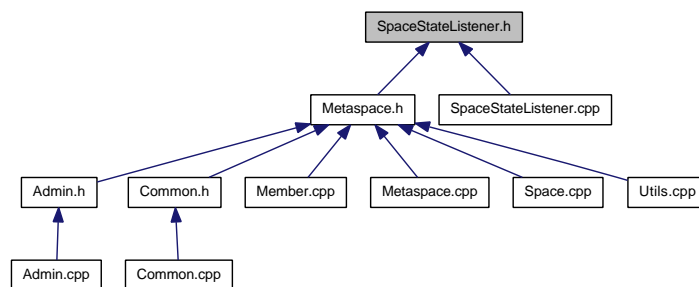
7.118 SpaceStateListener.h File Reference

```
#include <memory>
#include <string>
#include "tibas.h"
#include "ListenerTemplate.h"
```

Include dependency graph for SpaceStateListener.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::SpaceStateListener](#)

Namespaces

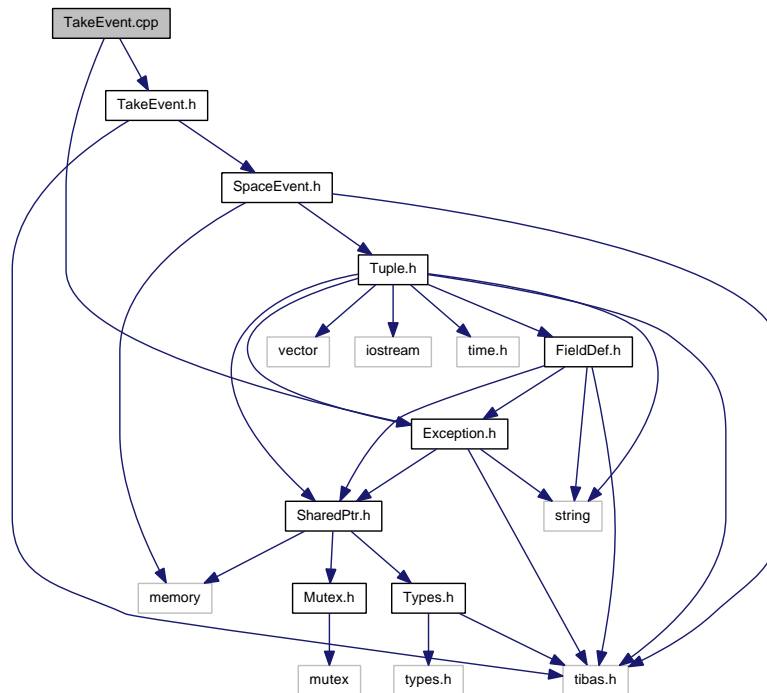
- namespace [ASApi](#)

7.119 TakeEvent.cpp File Reference

```
#include "TakeEvent.h"
```

```
#include "Exception.h"
```

Include dependency graph for TakeEvent.cpp:

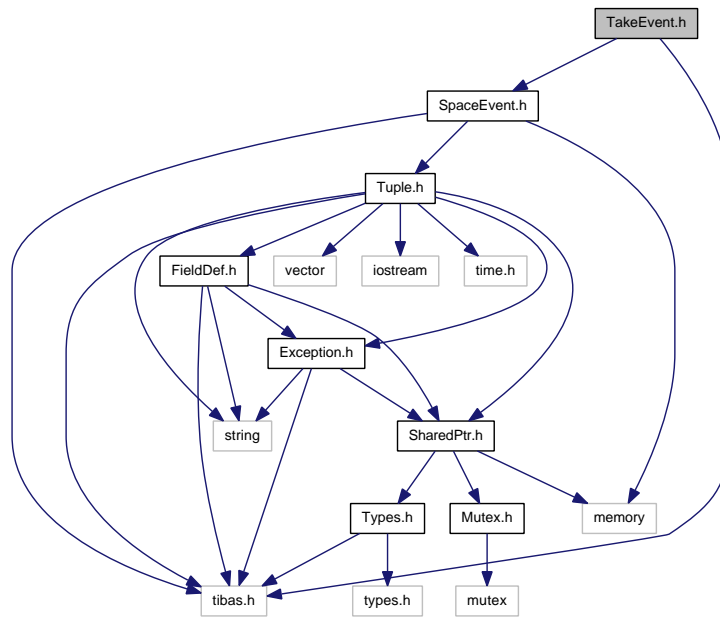


7.120 TakeEvent.h File Reference

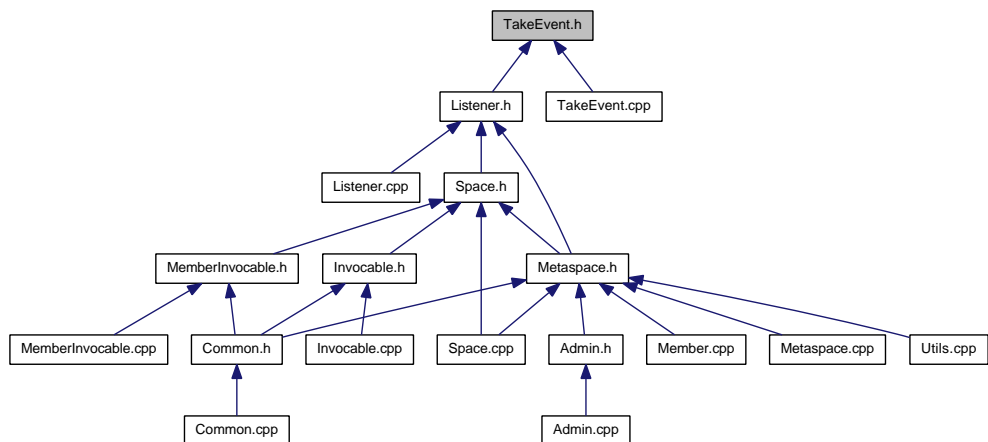
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for TakeEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::TakeEvent](#)

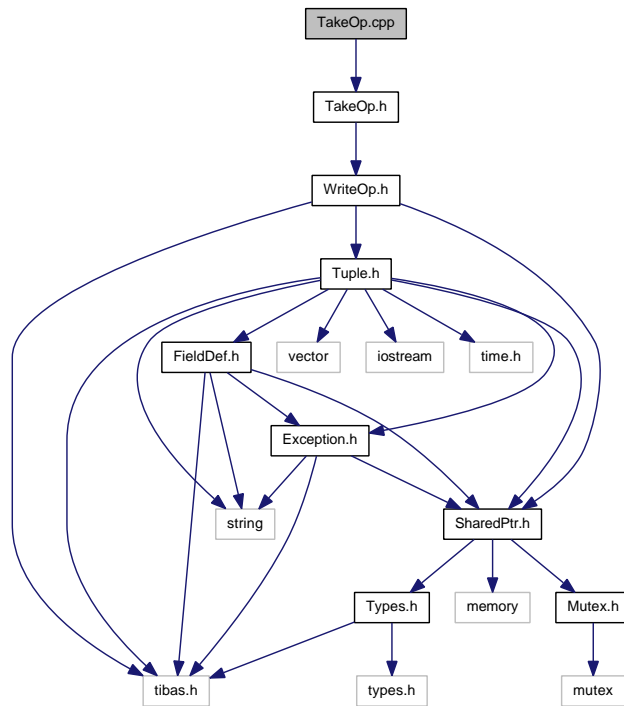
Namespaces

- namespace [ASApi](#)

7.121 TakeOp.cpp File Reference

```
#include "TakeOp.h"
```

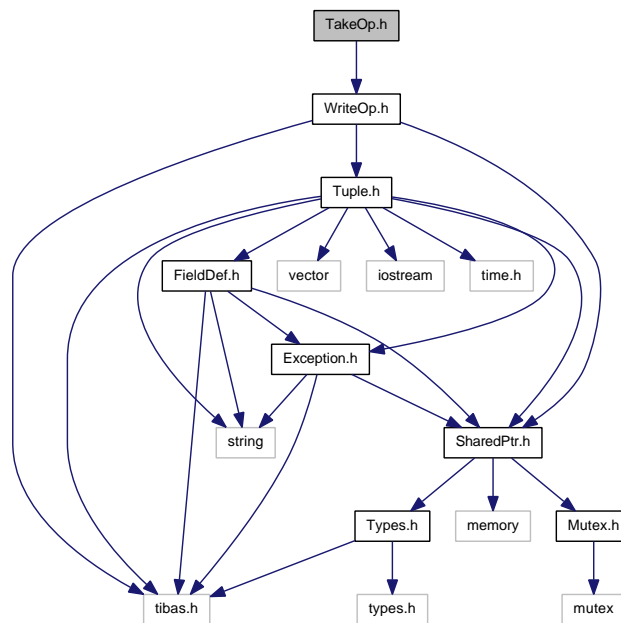
Include dependency graph for TakeOp.cpp:



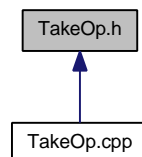
7.122 TakeOp.h File Reference

```
#include "WriteOp.h"
```

Include dependency graph for TakeOp.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::TakeOp](#)

Namespaces

- namespace [ASApi](#)

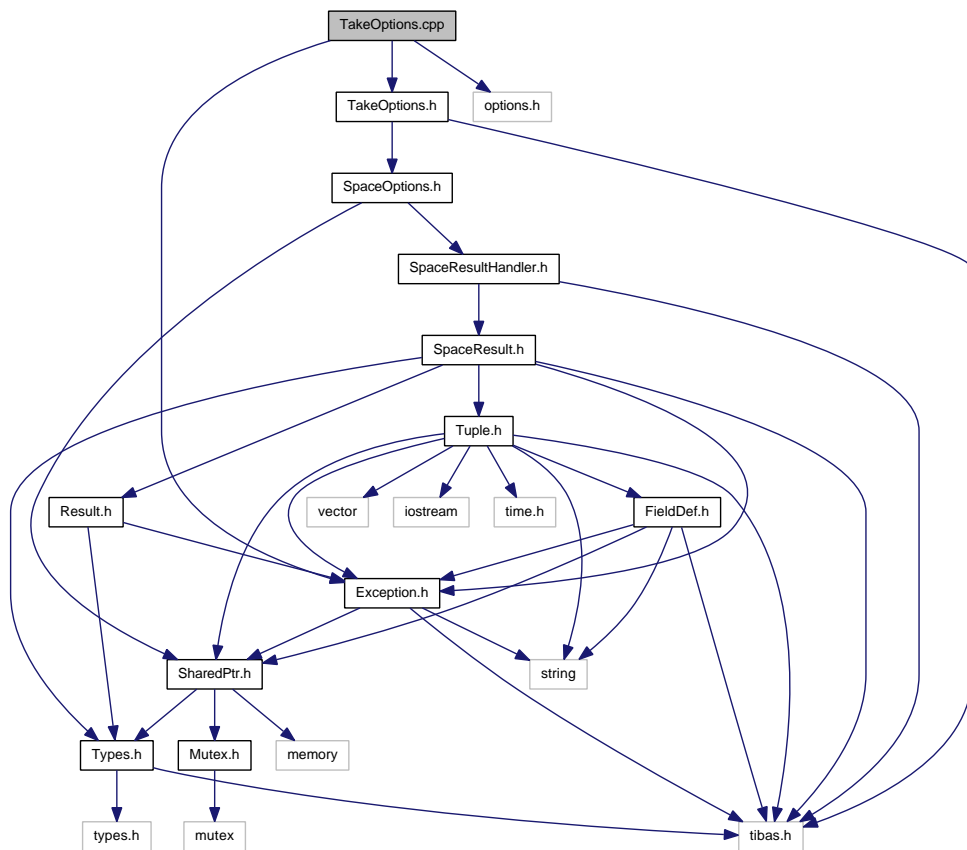
7.123 TakeOptions.cpp File Reference

```
#include "TakeOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for TakeOptions.cpp:

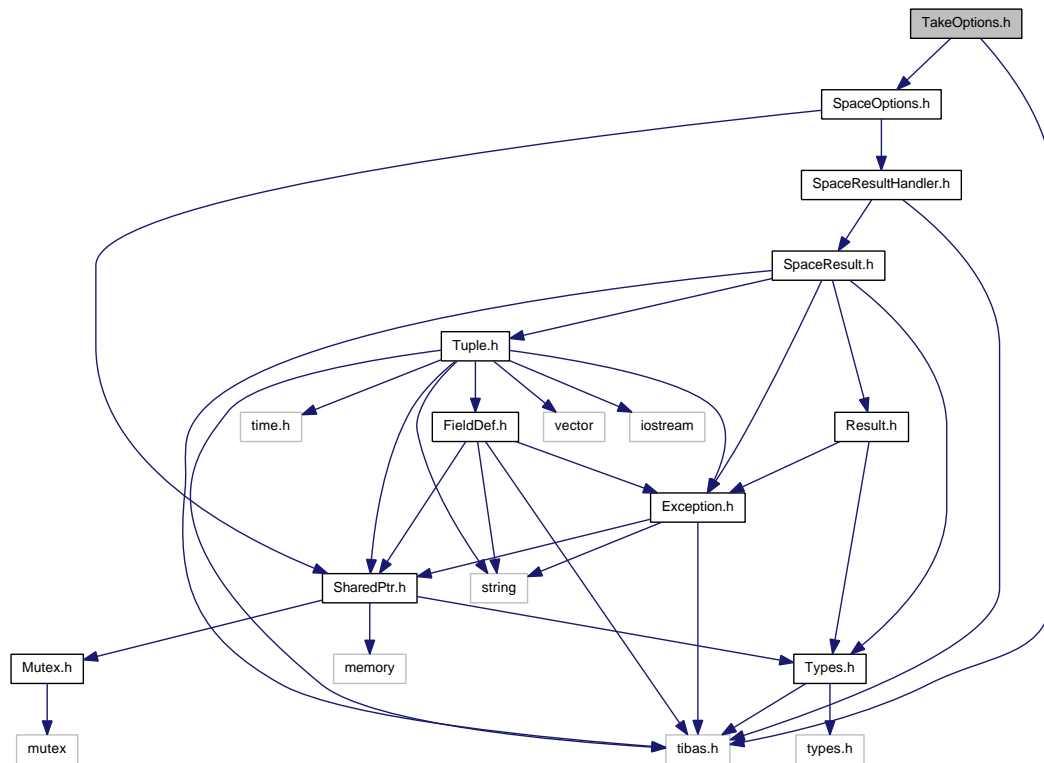


7.124 TakeOptions.h File Reference

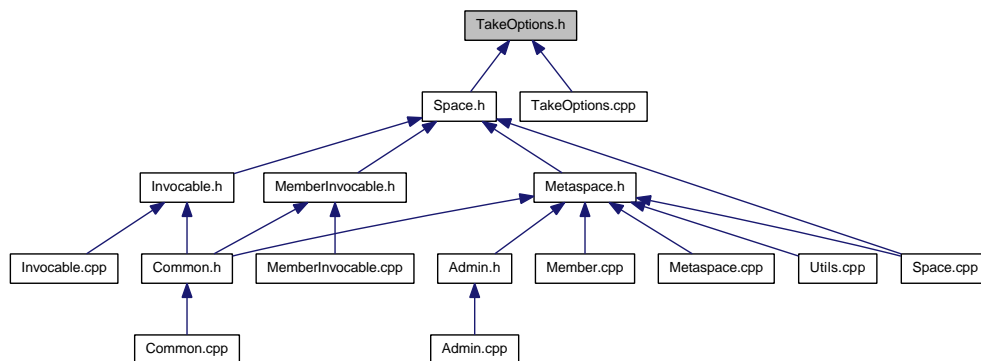
```
#include "tibas.h"
```

```
#include "SpaceOptions.h"
```

Include dependency graph for TakeOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::TakeOptions](#)

Namespaces

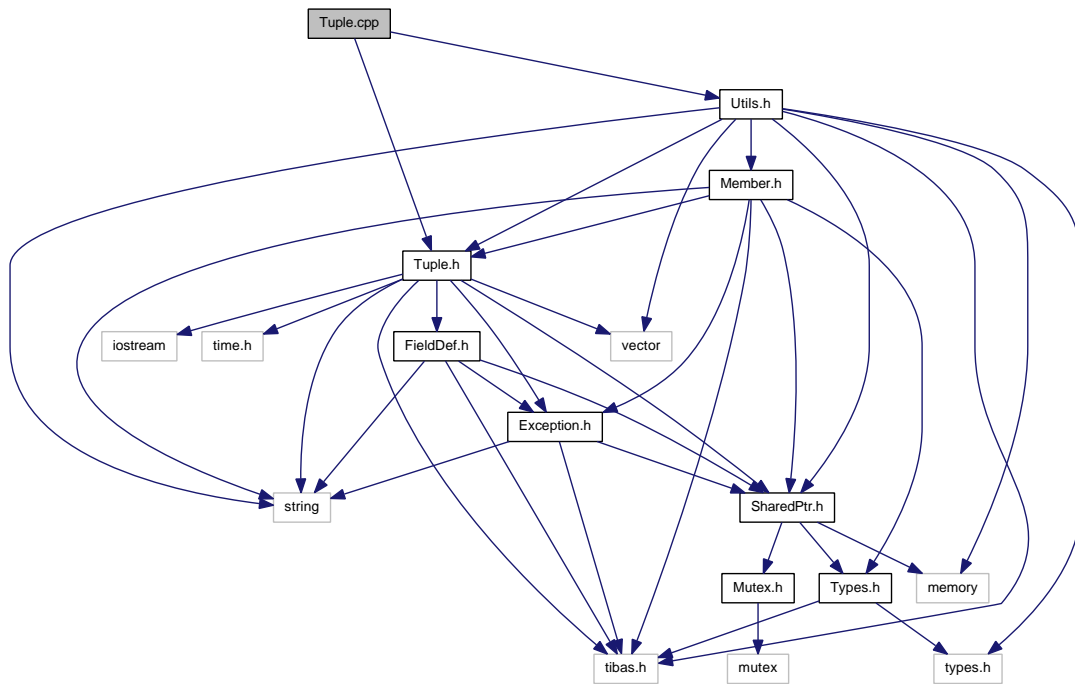
- namespace [ASApi](#)

7.125 Tuple.cpp File Reference

```
#include "Tuple.h"
```

```
#include "Utils.h"
```

Include dependency graph for Tuple.cpp:



Functions

- void [deleter](#) (tibasTuple *tuple)
- ostream & [operator<<](#) (ostream &os, const [Tuple](#) &tuple)

7.125.1 Function Documentation

7.125.1.1 void deleter (tibasTuple * tuple)

Definition at line 8 of file Tuple.cpp.

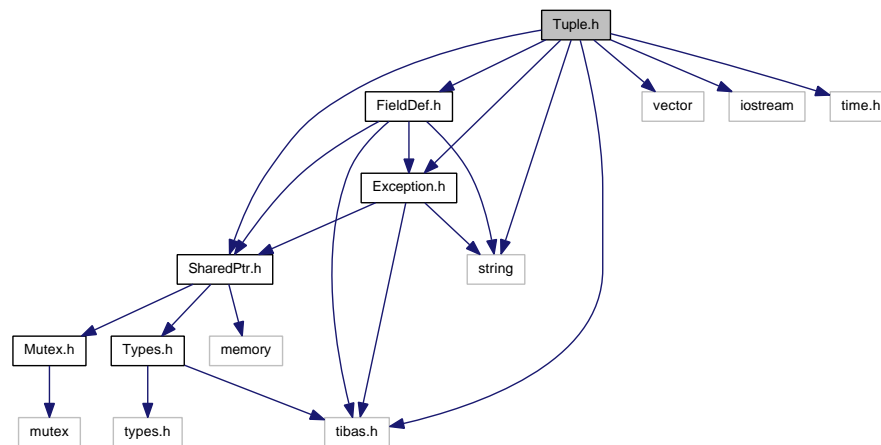
7.125.1.2 ostream& operator<< (ostream & os, const Tuple & tuple)

Definition at line 334 of file Tuple.cpp.

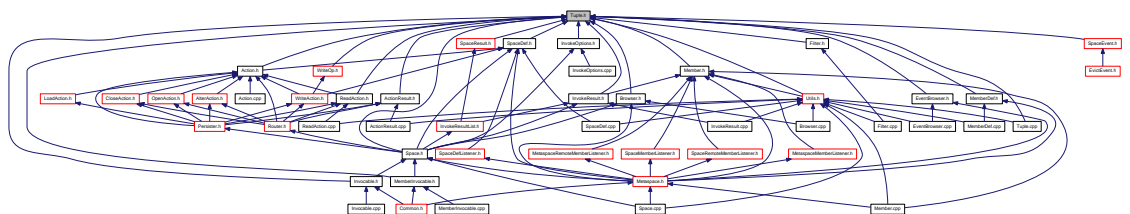
7.126 Tuple.h File Reference

```
#include <string>
#include <vector>
#include <iostream>
#include <time.h>
#include "tibas.h"
#include "Exception.h"
#include "FieldDef.h"
#include "SharedPtr.h"
```

Include dependency graph for Tuple.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Tuple](#)

Namespaces

- namespace [ASApi](#)

Functions

- `AS_CPP_API std::ostream & operator<< (std::ostream &os, const ASApi::Tuple &tuple)`

7.126.1 Function Documentation

7.126.1.1 `AS_CPP_API std::ostream& operator<< (std::ostream & os, const ASApi::Tuple & tuple)`

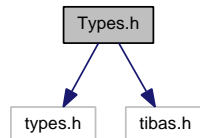
Definition at line 334 of file Tuple.cpp.

7.127 Types.h File Reference

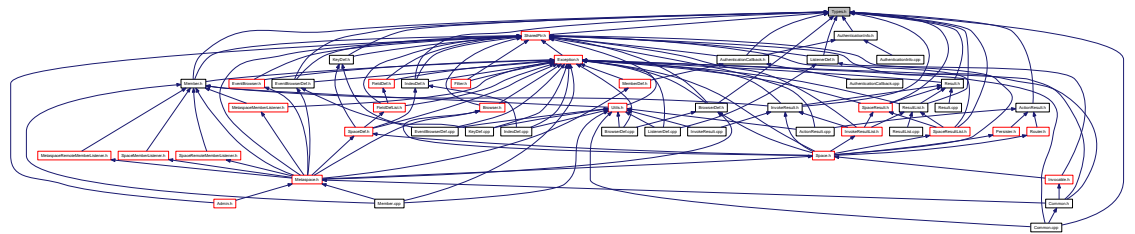
```
#include "types.h"
```

```
#include <tibas.h>
```

Include dependency graph for Types.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::Deleter< T >](#)

Namespaces

- namespace [ASApi](#)

Defines

- #define [AS_CPP_API](#)

Typedefs

- typedef tibas_status [ASApi::Status](#)
- typedef tibas_distributionScope [ASApi::DistributionScope](#)
- typedef tibas_timeScope [ASApi::TimeScope](#)
- typedef tibas_logLevel [ASApi::LogLevel](#)
- typedef tibas_indexType [ASApi::IndexType](#)
- typedef tibas_managementRole [ASApi::ManagementRole](#)

- typedef tibas_distributionRole [ASApi::DistributionRole](#)
- typedef tibas_browserType [ASApi::BrowserType](#)
- typedef tibas_spaceState [ASApi::SpaceState](#)
- typedef tibas_distributionPolicy [ASApi::DistributionPolicy](#)
- typedef tibas_persistenceType [ASApi::PersistenceType](#)
- typedef tibas_persistencePolicy [ASApi::PersistencePolicy](#)
- typedef tibas_evictionPolicy [ASApi::EvictionPolicy](#)

7.127.1 Define Documentation

7.127.1.1 #define AS_CPP_API

Definition at line 11 of file Types.h.

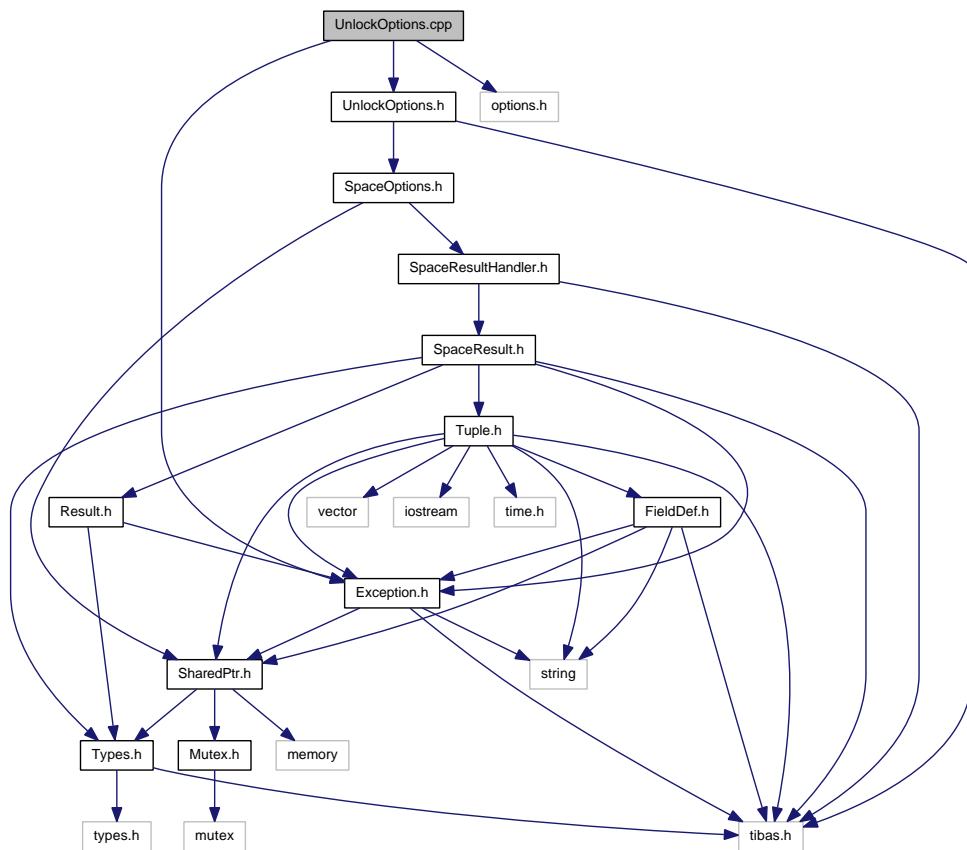
7.128 UnlockOptions.cpp File Reference

```
#include "UnlockOptions.h"
```

```
#include "options.h"
```

```
#include "Exception.h"
```

Include dependency graph for UnlockOptions.cpp:

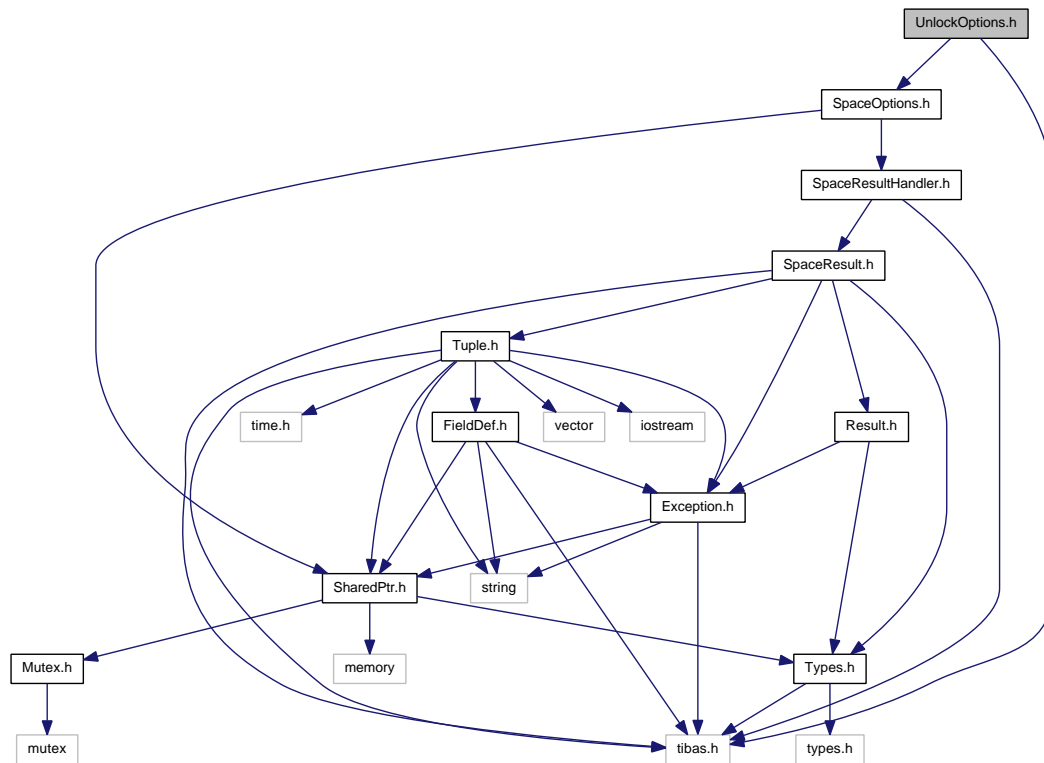


7.129 UnlockOptions.h File Reference

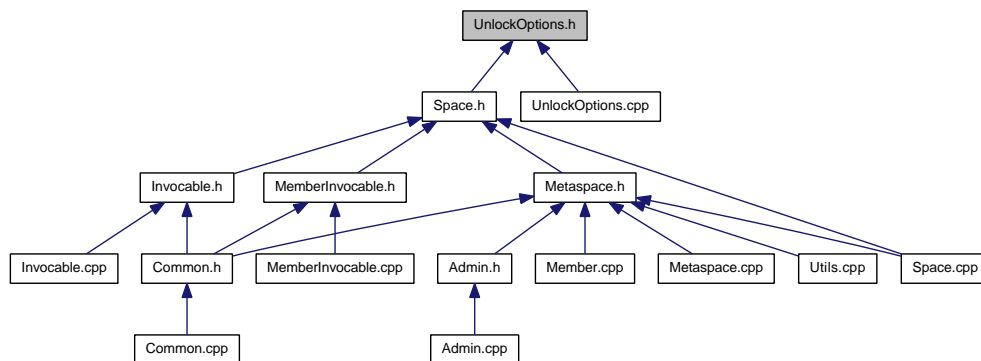
```
#include "tibas.h"
```

```
#include "SpaceOptions.h"
```

Include dependency graph for UnlockOptions.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::UnlockOptions](#)

Namespaces

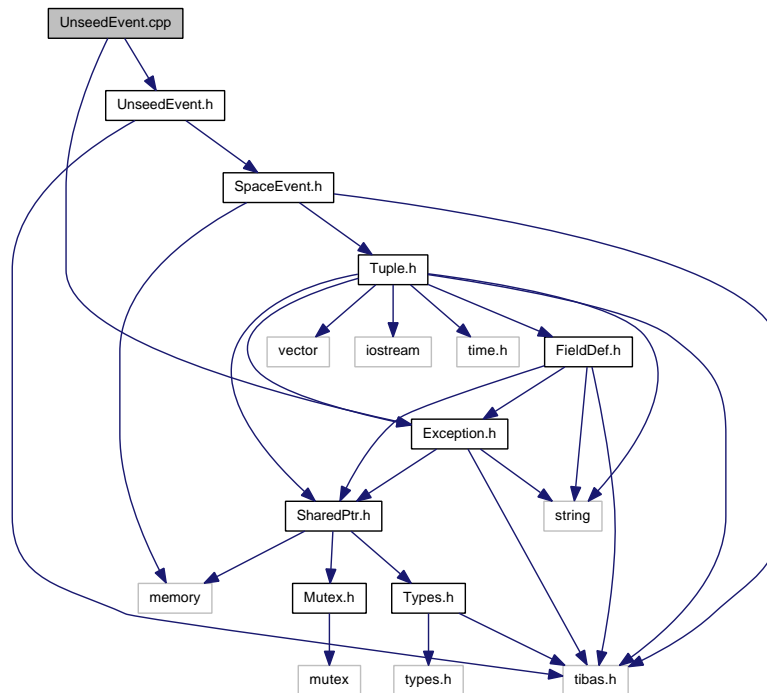
- namespace [ASApi](#)

7.130 UnseedEvent.cpp File Reference

```
#include "UnseedEvent.h"
```

```
#include "Exception.h"
```

Include dependency graph for UnseedEvent.cpp:

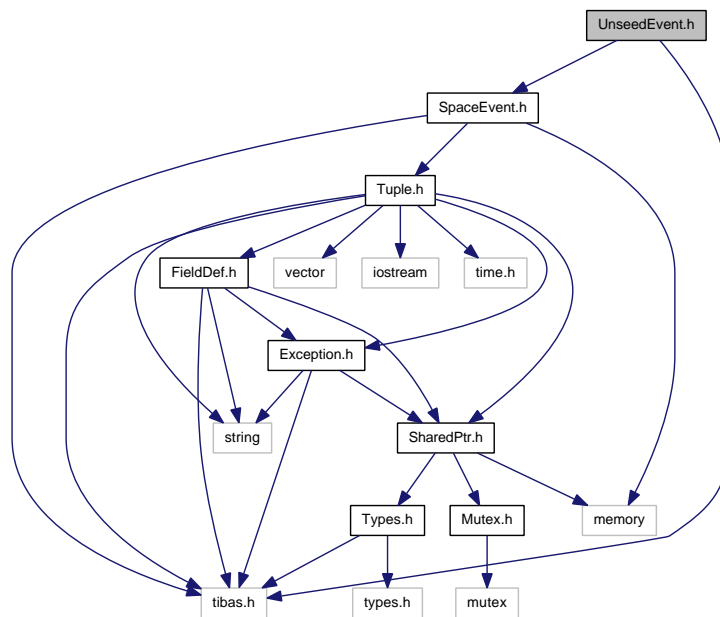


7.131 UnseedEvent.h File Reference

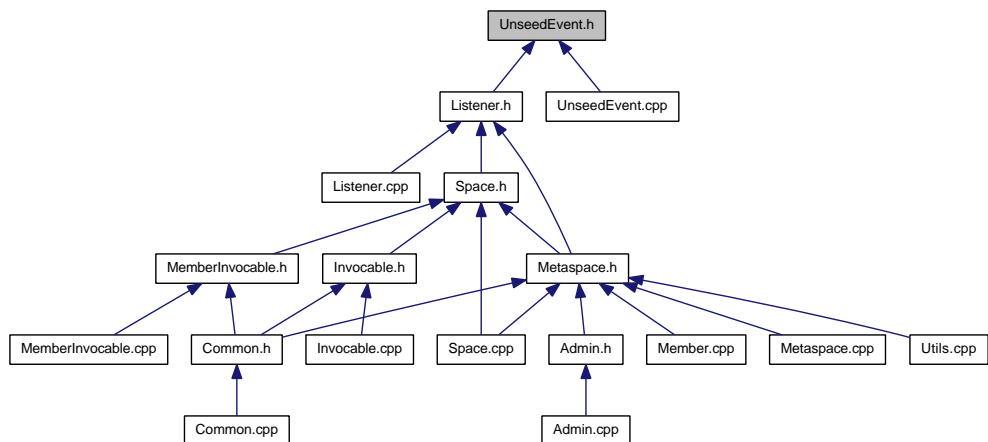
```
#include "tibas.h"
```

```
#include "SpaceEvent.h"
```

Include dependency graph for UnseedEvent.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::UnseedEvent](#)

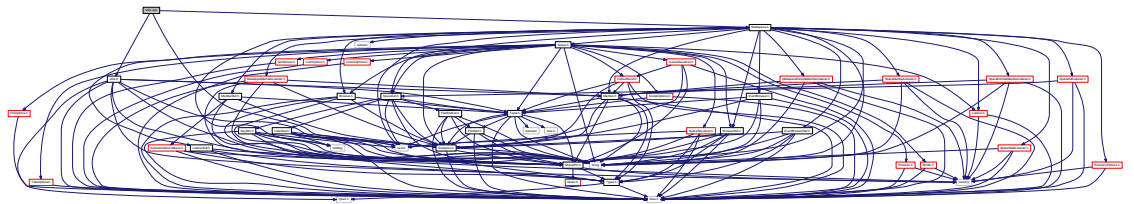
Namespaces

- namespace [ASApi](#)

7.132 Utils.cpp File Reference

```
#include "Utils.h"  
#include "Exception.h"  
#include "Metaspace.h"
```

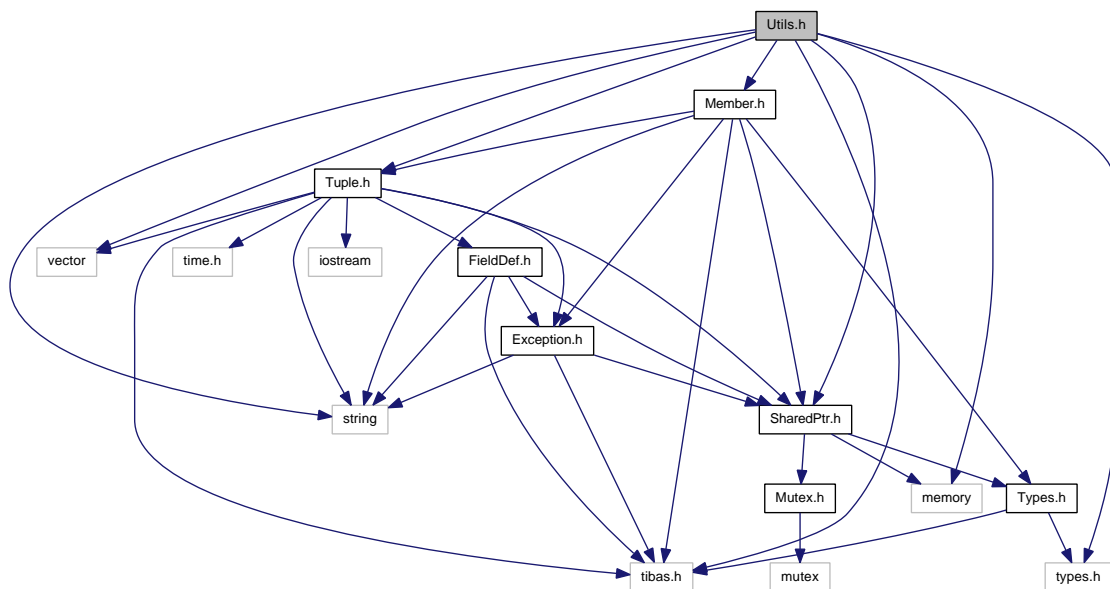
Include dependency graph for Utils.cpp:



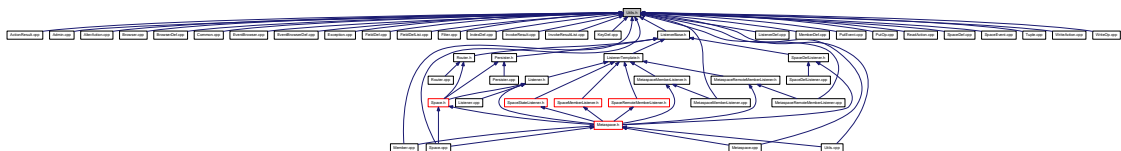
7.133 Utils.h File Reference

```
#include <vector>
#include <string>
#include <memory>
#include "tibas.h"
#include "types.h"
#include "Tuple.h"
#include "Member.h"
#include "SharedPtr.h"
```

Include dependency graph for Utils.h:



This graph shows which files directly or indirectly include this file:



Namespaces

- namespace [ASApi](#)

Functions

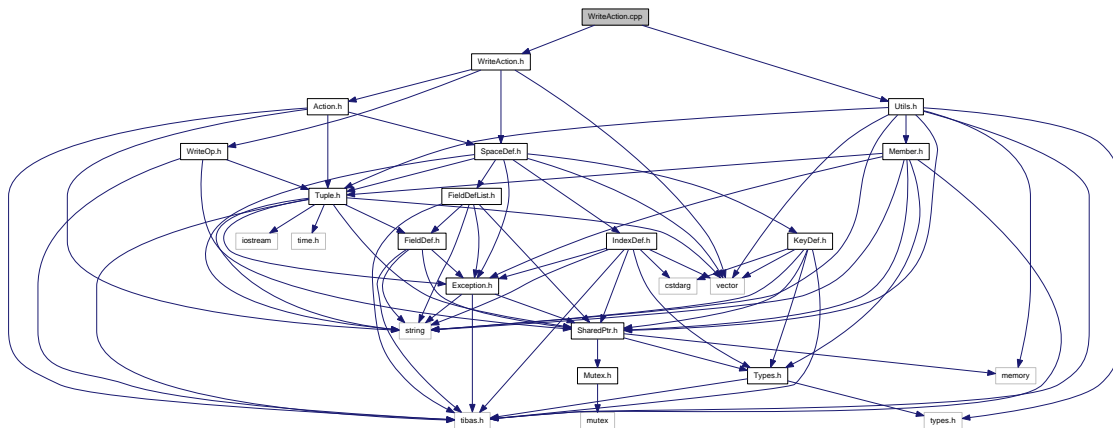
- `std::vector< std::string > ASApi::asStringListToVector` (const `tibasStringList` &`stringList`)
- `SharedPtr< tibasTupleList > ASApi::tuplesToAsTupleList` (const `std::vector< Tuple >` &`tuples`)
- `SharedPtr< tibasMemberList > ASApi::membersToAsMemberList` (const `std::vector< Member >` &`members`, const `Metaspace` &`metaspace`)
- `std::vector< Member > ASApi::asMemberListToVector` (`tibasMemberList` &`memberList`)

7.134 WriteAction.cpp File Reference

```
#include "WriteAction.h"
```

```
#include "Utils.h"
```

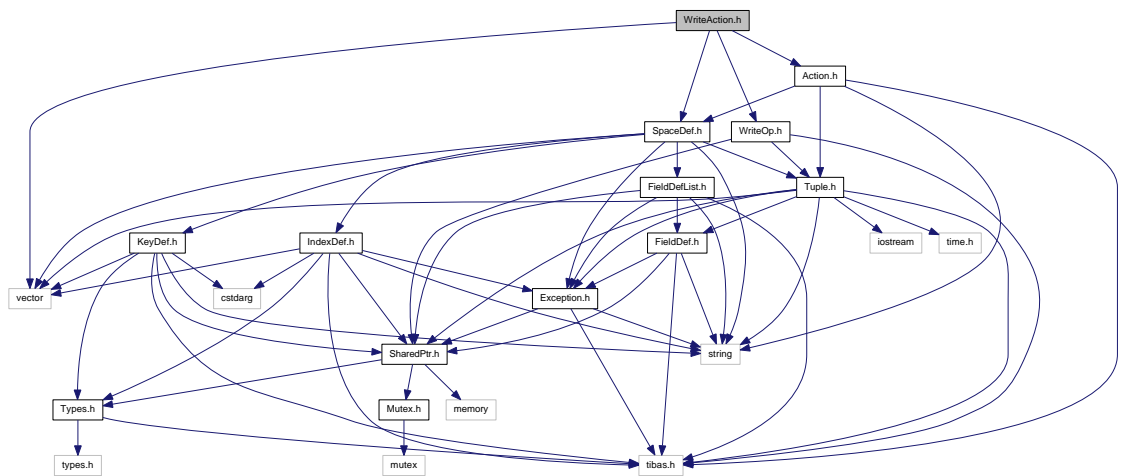
Include dependency graph for WriteAction.cpp:



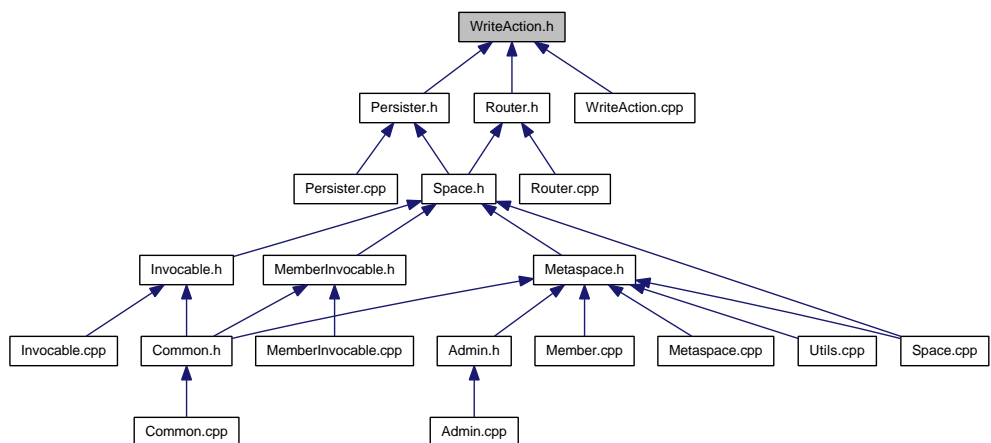
7.135 WriteAction.h File Reference

```
#include <vector>
#include "Action.h"
#include "SpaceDef.h"
#include "WriteOp.h"
```

Include dependency graph for WriteAction.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::WriteAction](#)

Namespaces

- namespace [ASApi](#)

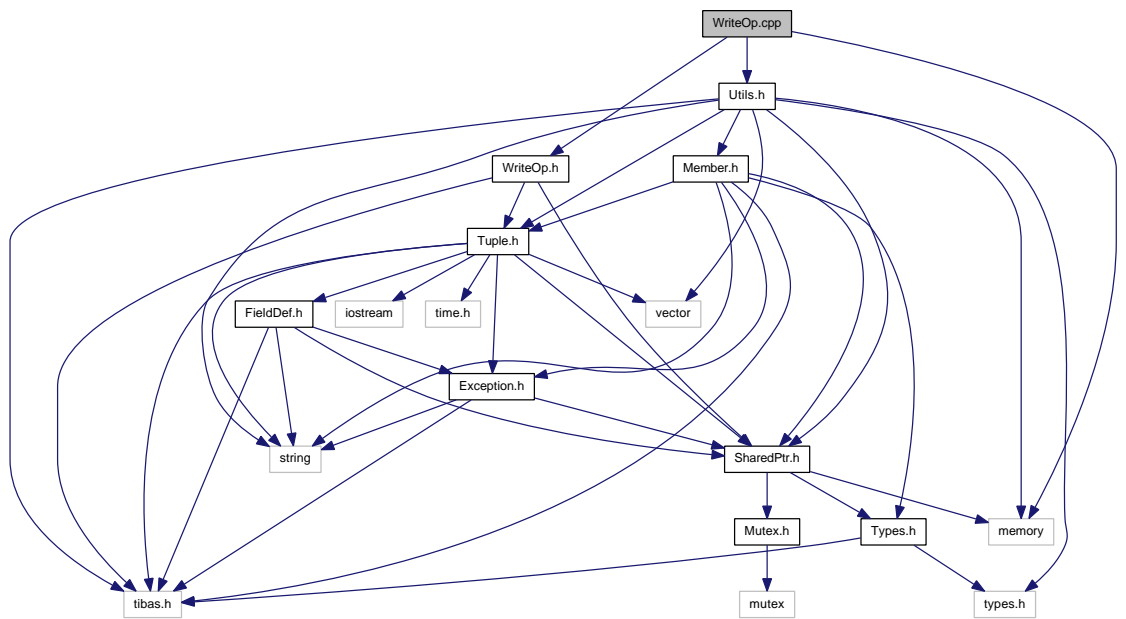
7.136 WriteOp.cpp File Reference

```
#include "WriteOp.h"
```

```
#include "Utils.h"
```

```
#include <memory>
```

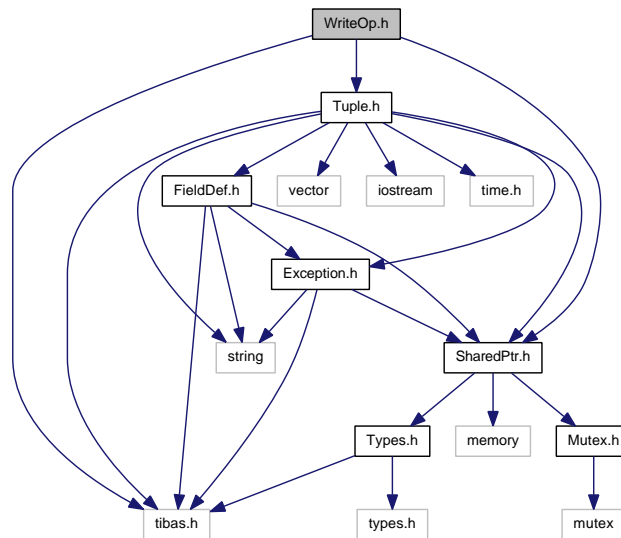
Include dependency graph for WriteOp.cpp:



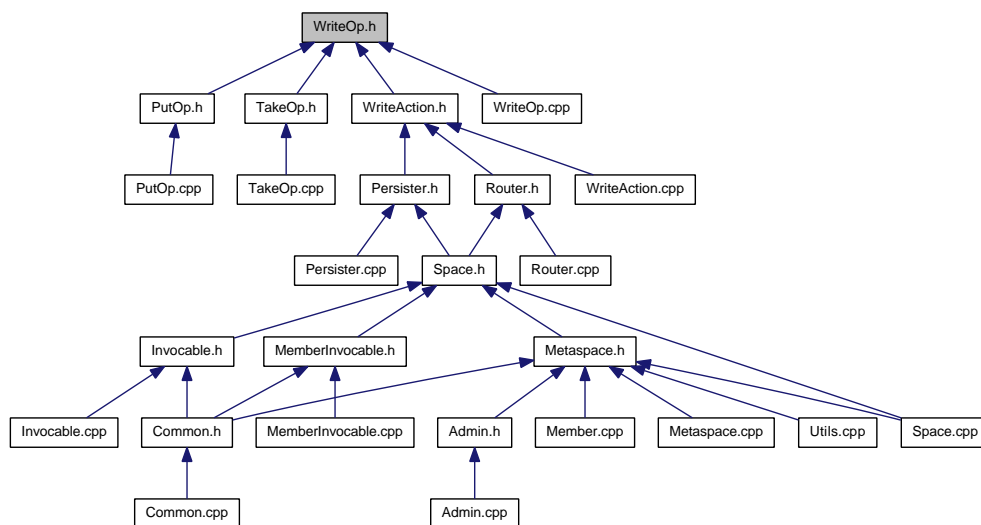
7.137 WriteOp.h File Reference

```
#include "tibas.h"
#include "Tuple.h"
#include "SharedPtr.h"
```

Include dependency graph for WriteOp.h:



This graph shows which files directly or indirectly include this file:



Classes

- class [ASApi::WriteOp](#)

Namespaces

- namespace [ASApi](#)

Index

- ~Admin
 - ASApi::Admin, [25](#)
- ~Browser
 - ASApi::Browser, [32](#)
- ~BrowserDef
 - ASApi::BrowserDef, [34](#)
- ~EventBrowser
 - ASApi::EventBrowser, [41](#)
- ~EventBrowserDef
 - ASApi::EventBrowserDef, [43](#)
- ~EvictEvent
 - ASApi::EvictEvent, [45](#)
- ~ExpireEvent
 - ASApi::ExpireEvent, [48](#)
- ~FieldDef
 - ASApi::FieldDef, [50](#)
- ~FieldDefList
 - ASApi::FieldDefList, [52](#)
- ~Filter
 - ASApi::Filter, [54](#)
- ~IndexDef
 - ASApi::IndexDef, [58](#)
- ~InvokeResult
 - ASApi::InvokeResult, [66](#)
- ~InvokeResultList
 - ASApi::InvokeResultList, [68](#)
- ~KeyDef
 - ASApi::KeyDef, [72](#)
- ~Listener
 - ASApi::Listener, [75](#)
- ~ListenerBase
 - ASApi::ListenerBase, [78](#)
- ~ListenerDef
 - ASApi::ListenerDef, [80](#)
- ~ListenerTemplate
 - ASApi::ListenerTemplate, [83](#)
- ~Member
 - ASApi::Member, [89](#)
- ~MemberDef
 - ASApi::MemberDef, [92](#)
- ~Metaspace
 - ASApi::Metaspace, [101](#)
- ~MetaspaceMemberListener
 - ASApi::MetaspaceMemberListener, [108](#)
- ~MetaspaceRemoteMemberListener
 - ASApi::MetaspaceRemoteMemberListener, [110](#)
- ~Persister
 - ASApi::Persister, [113](#)
- ~PutEvent
 - ASApi::PutEvent, [116](#)
- ~Router
 - ASApi::Router, [129](#)
- ~SeedEvent
 - ASApi::SeedEvent, [131](#)
- ~Space
 - ASApi::Space, [136](#)
- ~SpaceDef
 - ASApi::SpaceDef, [144](#)
- ~SpaceDefListener
 - ASApi::SpaceDefListener, [152](#)
- ~SpaceEvent
 - ASApi::SpaceEvent, [154](#)
- ~SpaceMemberListener
 - ASApi::SpaceMemberListener, [157](#)
- ~SpaceOptions
 - ASApi::SpaceOptions, [159](#)
- ~SpaceRemoteMemberListener
 - ASApi::SpaceRemoteMemberListener, [162](#)
- ~SpaceResult
 - ASApi::SpaceResult, [163](#)
- ~SpaceResultList
 - ASApi::SpaceResultList, [166](#)
- ~SpaceStateListener
 - ASApi::SpaceStateListener, [169](#)
- ~TakeEvent
 - ASApi::TakeEvent, [170](#)
- ~Tuple
 - ASApi::Tuple, [177](#)
- ~UnseedEvent

- ASApi::UnseedEvent, 184
- ~WriteOp
 - ASApi::WriteOp, 187
- Action
 - ASApi::Action, 21
- Action.cpp, 189
- Action.h, 190
- ActionResult
 - ASApi::ActionResult, 23
- ActionResult.cpp, 192
- ActionResult.h, 193
- addIndexDef
 - ASApi::SpaceDef, 145
- Admin
 - ASApi::Admin, 25
- Admin.cpp, 195
- Admin.h, 196
- AlterAction
 - ASApi::AlterAction, 27
- AlterAction.cpp, 197
- AlterAction.h, 198
- alterSpace
 - ASApi::Metaspace, 102
- AS_CALL
 - Exception.h, 224
- AS_CPP_API
 - Types.h, 363
- ASApi, 13
 - asMemberListToVector, 17
 - asStringListToVector, 17
 - BrowserType, 15
 - DistributionPolicy, 15
 - DistributionRole, 15
 - DistributionScope, 15
 - EvictionPolicy, 15
 - IndexType, 16
 - LogLevel, 16
 - ManagementRole, 16
 - membersToAsMemberList, 17
 - Mutex, 16
 - PersistencePolicy, 16
 - PersistenceType, 16
 - SpaceState, 16
 - Status, 16
 - TimeScope, 16
 - tuplesToAsTupleList, 17
- ASApi::Action, 21
 - Action, 21
 - getMetaspaceName, 22
 - getSpaceName, 22
 - m_action, 22
- ASApi::ActionResult, 23
 - ActionResult, 23
 - getStatus, 23
 - getTuple, 23
 - setFailed, 23
 - setTuple, 23
- ASApi::Admin, 25
 - ~Admin, 25
 - Admin, 25
 - connect, 26
 - execute, 26
- ASApi::AlterAction, 27
 - AlterAction, 27
 - getOldSpaceDef, 27
 - getSpaceDef, 27
- ASApi::AuthenticationCallback, 29
 - callback, 29
 - createUserCredential, 29
- ASApi::AuthenticationCallback::CClosure, 36
 - m_callback, 36
- ASApi::AuthenticationInfo, 30
 - AuthenticationInfo, 30
 - getDomain, 30
 - getHint, 30
 - getMetaspaceName, 31
 - getPassword, 31
 - getUserName, 31
 - Method, 30
 - setDomain, 31
 - setPassword, 31
 - setUserName, 31
- ASApi::Browser, 32
 - ~Browser, 32
 - Browser, 32
 - get, 33
 - next, 33
- ASApi::BrowserDef, 34
 - ~BrowserDef, 34
 - BrowserDef, 34
 - get, 35
 - getDistributionScope, 35
 - getTimeout, 35
 - getTimeScope, 35
 - setDistributionScope, 35
 - setTimeout, 35
 - setTimeScope, 35
- ASApi::CloseAction, 37

- CloseAction, 37
- ASApi::Common, 18
 - connectMetaspace, 18
 - getInvocableAliases, 18
 - getLogLevel, 18
 - getMemberInvocableAliases, 18
 - getMetaspace, 19
 - getMetaspaceNames, 19
 - getSecurityLogLevel, 19
 - removeInvocable, 19
 - removeMemberInvocable, 19
 - setEventLogging, 19
 - setFileLogging, 19
 - setInvocable, 19, 20
 - setLogLevel, 20
 - setMemberInvocable, 20
 - setSecurityLogLevel, 20
- ASApi::Deleter, 40
 - Deleter, 40
 - operator(), 40
 - reset, 40
- ASApi::EventBrowser, 41
 - ~EventBrowser, 41
 - EventBrowser, 41
 - get, 42
- ASApi::EventBrowserDef, 43
 - ~EventBrowserDef, 43
 - EventBrowserDef, 43
 - get, 44
 - getDistributionScope, 44
 - getTimeout, 44
 - getTimeScope, 44
 - setDistributionScope, 44
 - setTimeout, 44
 - setTimeScope, 44
- ASApi::EvictEvent, 45
 - ~EvictEvent, 45
 - EvictEvent, 45
- ASApi::Exception, 46
 - Exception, 46
 - getCode, 47
 - getMessage, 47
 - getStackTrace, 47
 - getStatus, 47
- ASApi::ExpireEvent, 48
 - ~ExpireEvent, 48
 - ExpireEvent, 48
- ASApi::FieldDef, 49
 - ~FieldDef, 50
 - create, 50
 - FieldDef, 50
 - get, 50
 - getName, 50
 - getType, 50
 - isEncrypted, 51
 - isNullable, 51
 - setEncrypted, 51
 - setNullable, 51
 - Type, 50
- ASApi::FieldDefList, 52
 - ~FieldDefList, 52
 - FieldDefList, 52
 - get, 53
 - size, 53
- ASApi::Filter, 54
 - ~Filter, 54
 - eval, 55
 - Filter, 54
 - get, 55
- ASApi::GetOptions, 56
 - GetOptions, 56
- ASApi::IndexDef, 57
 - ~IndexDef, 58
 - get, 58
 - getFieldNames, 58
 - getIndexType, 58
 - getName, 58
 - IndexDef, 57
 - setFieldNames, 58
 - setIndexType, 58
 - setName, 58
- ASApi::Invocable, 60
 - Creator, 61
 - invoke, 61
 - invokeByCreator, 61
 - invokeByObject, 61
 - populateAliases, 61
 - remove, 61
 - set, 61
- ASApi::InvokeOptions, 63
 - InvokeOptions, 63
 - setContext, 64
- ASApi::InvokeResult, 65
 - ~InvokeResult, 66
 - get, 66
 - getError, 66
 - getMember, 66
 - getReturn, 66
 - getStatus, 66
 - hasError, 66

- InvokeResult, 65
- ASApi::InvokeResultList, 68
 - ~InvokeResultList, 68
 - get, 69
 - getError, 69
 - getReturn, 69
 - getReturns, 69
 - getStatus, 69
 - hasError, 69
 - InvokeResultList, 68
 - put, 69
 - size, 69
- ASApi::KeyDef, 71
 - ~KeyDef, 72
 - create, 72
 - get, 72
 - getFieldNames, 72
 - getIndexType, 72
 - KeyDef, 72
 - setFieldNames, 72, 73
 - setIndexType, 73
- ASApi::Listener, 74
 - ~Listener, 75
 - Listener, 75
 - onEvent, 75
 - onEvict, 75
 - onExpire, 75
 - onPut, 75
 - onSeed, 75
 - onTake, 75
 - onUnseed, 76
- ASApi::ListenerBase, 77
 - ~ListenerBase, 78
 - create, 78
 - get, 78
 - ListenerBase, 78
 - ListenerFree, 77
 - m_cObject, 79
 - m_deleter, 79
 - start, 78
 - stop, 78
- ASApi::ListenerDef, 80
 - ~ListenerDef, 80
 - get, 81
 - getDistributionScope, 81
 - getQueryLimit, 81
 - getTimeScope, 81
 - ListenerDef, 80
 - setDistributionScope, 81
 - setQueryLimit, 81
 - setTimeScope, 81
- ASApi::ListenerTemplate, 82
 - ~ListenerTemplate, 83
 - create, 83
 - ListenerTemplate, 83
 - m_callback, 83
 - m_creator, 83
 - m_listener, 83
- ASApi::LoadAction, 85
 - LoadAction, 85
- ASApi::LockOptions, 86
 - getLockWait, 87
 - isForget, 87
 - isUnlock, 87
 - LockOptions, 87
 - setForget, 87
 - setLockWait, 87
 - setUnlock, 87
- ASApi::Member, 88
 - ~Member, 89
 - get, 89
 - getContext, 89
 - getDistributionRole, 89
 - getHostAddress, 89
 - getId, 89
 - getJoinTime, 89
 - getManagementRole, 90
 - getName, 90
 - getPort, 90
 - getProxies, 90
 - Member, 89
- ASApi::MemberDef, 91
 - ~MemberDef, 92
 - get, 92
 - getAuthenticationCallback, 92
 - getClientTimeout, 93
 - getClusterSuspendThreshold, 93
 - getConnectTimeout, 93
 - getContext, 93
 - getDataStore, 93
 - getDiscovery, 93
 - getIdentityPassword, 93
 - getListen, 93
 - getMemberName, 93
 - getMemberTimeout, 93
 - getRemoteDiscovery, 94
 - getRemoteListen, 94
 - getRxBufferSize, 94
 - getSecurityPolicyFile, 94
 - getSecurityTokenFile, 94

- getTransportThreadCount, [94](#)
- getWorkerThreadCount, [94](#)
- MemberDef, [92](#)
- operator=, [94](#)
- setAuthenticationCallback, [94](#)
- setClientTimeout, [94](#)
- setClusterSuspendThreshold, [95](#)
- setConnectTimeout, [95](#)
- setContext, [95](#)
- setDataStore, [95](#)
- setDiscovery, [95](#)
- setIdentityPassword, [95](#)
- setListen, [95](#)
- setMemberName, [95](#)
- setMemberTimeout, [95](#)
- setRemoteDiscovery, [95](#)
- setRemoteListen, [96](#)
- setRxBufferSize, [96](#)
- setSecurityPolicyFile, [96](#)
- setSecurityTokenFile, [96](#)
- setTransportThreadCount, [96](#)
- setWorkerThreadCount, [96](#)
- ASApi::MemberInvocable, [97](#)
 - Creator, [98](#)
 - invoke, [98](#)
 - invokeByCreator, [98](#)
 - invokeByObject, [98](#)
 - populateAliases, [98](#)
 - remove, [98](#)
 - set, [98](#)
- ASApi::Metaspace, [100](#)
 - ~Metaspace, [101](#)
 - alterSpace, [102](#)
 - beginTransaction, [102](#)
 - browse, [102](#)
 - browseEvents, [102](#)
 - closeAll, [102](#)
 - commitTransaction, [102](#)
 - connect, [102](#)
 - defineSpace, [103](#)
 - dropSpace, [103](#)
 - get, [103](#)
 - getDiscovery, [103](#)
 - getListen, [103](#)
 - getMemberDef, [103](#)
 - getMembers, [103](#)
 - getMetaspaceNames, [103](#)
 - getRemoteDiscovery, [103](#)
 - getRemoteListen, [104](#)
 - getRemoteMembers, [104](#)
 - getSelfMember, [104](#)
 - getSpace, [104](#)
 - getSpaceDef, [104](#)
 - getSpaceMembers, [104](#)
 - getSpaceState, [104](#)
 - getSystemSpace, [104](#)
 - getUserSpaceNames, [104](#)
 - listen, [104](#)
 - listenMemberEvents, [105](#)
 - listenRemoteMemberEvents, [105](#)
 - listenSpaceDefs, [105](#)
 - listenSpaceMemberEvents, [105](#)
 - listenSpaceRemoteMemberEvents, [105](#)
 - listenSpaceState, [105](#)
 - Metaspace, [101](#)
 - recoverSpace, [105](#)
 - rollbackTransaction, [105](#)
 - setMemberDef, [106](#)
- ASApi::MetaspaceMemberListener, [107](#)
 - ~MetaspaceMemberListener, [108](#)
 - MetaspaceMemberListener, [108](#)
 - onEvent, [108](#)
 - onJoin, [108](#)
 - onLeave, [108](#)
 - onUpdate, [108](#)
- ASApi::MetaspaceRemoteMemberListener, [109](#)
 - ~MetaspaceRemoteMemberListener, [110](#)
 - MetaspaceRemoteMemberListener, [110](#)
 - onEvent, [110](#)
 - onJoin, [110](#)
 - onLeave, [110](#)
- ASApi::OpenAction, [111](#)
 - OpenAction, [111](#)
- ASApi::Persister, [112](#)
 - ~Persister, [113](#)
 - create, [113](#)
 - onAlter, [113](#)
 - onCAAlter, [113](#)
 - onCClose, [113](#)
 - onCLoad, [114](#)
 - onClose, [114](#)
 - onCOpen, [114](#)
 - onCRead, [114](#)
 - onCWrite, [114](#)
 - onLoad, [114](#)
 - onOpen, [114](#)

- onRead, [114](#)
- onWrite, [114](#)
- Persister, [113](#)
- ASApi::PutEvent, [116](#)
- ~PutEvent, [116](#)
- getOldTuple, [116](#)
- hasOldTuple, [116](#)
- PutEvent, [116](#)
- ASApi::PutOp, [118](#)
- getOldTuple, [119](#)
- getTTL, [119](#)
- hasOldTuple, [119](#)
- PutOp, [118](#)
- ASApi::PutOptions, [120](#)
- getLockWait, [121](#)
- getTTL, [121](#)
- isForget, [121](#)
- isLock, [121](#)
- isRoute, [121](#)
- PutOptions, [121](#)
- setForget, [121](#)
- setLock, [121](#)
- setLockWait, [121](#)
- setRoute, [121](#)
- setTTL, [121](#)
- ASApi::ReadAction, [123](#)
- getTuple, [123](#)
- ReadAction, [123](#)
- ASApi::RecoveryOptions, [124](#)
- get, [124](#)
- RecoveryOptions, [124](#)
- ASApi::Result, [126](#)
- getError, [126](#)
- getStatus, [126](#)
- hasError, [126](#)
- ASApi::ResultList, [127](#)
- getError, [127](#)
- getStatus, [127](#)
- hasError, [127](#)
- size, [127](#)
- ASApi::Router, [128](#)
- ~Router, [129](#)
- create, [129](#)
- onAlter, [129](#)
- onCAlter, [129](#)
- onCClose, [129](#)
- onClose, [129](#)
- onCOpen, [130](#)
- onCWrite, [130](#)
- onOpen, [130](#)
- onWrite, [130](#)
- Router, [129](#)
- ASApi::SeedEvent, [131](#)
- ~SeedEvent, [131](#)
- SeedEvent, [131](#)
- ASApi::SharedPtr, [133](#)
- SharedPtr, [133](#)
- ASApi::Space, [134](#)
- ~Space, [136](#)
- browse, [136](#)
- clear, [136](#)
- compareAndPut, [136](#)
- compareAndPutAll, [136, 137](#)
- compareAndTake, [137](#)
- compareAndTakeAll, [137](#)
- get, [137](#)
- getAll, [137](#)
- getMetaspace, [137](#)
- getMetaspaceName, [138](#)
- getName, [138](#)
- getSpaceDef, [138](#)
- getState, [138](#)
- invoke, [138](#)
- invokeMember, [138](#)
- invokeMembers, [138](#)
- invokeRemoteMembers, [138](#)
- invokeSeeders, [138](#)
- isReady, [139](#)
- listen, [139](#)
- load, [139](#)
- loadAll, [139](#)
- lock, [139](#)
- lockAll, [139](#)
- put, [139, 140](#)
- putAll, [140](#)
- setDistributionRole, [140](#)
- setPersister, [140](#)
- setRouter, [140](#)
- size, [140](#)
- Space, [136](#)
- take, [140](#)
- takeAll, [141](#)
- unlock, [141](#)
- waitForReady, [141](#)
- ASApi::SpaceDef, [142](#)
- ~SpaceDef, [144](#)
- addIndexDef, [145](#)
- DistributionPolicy, [144](#)
- EvictionPolicy, [144](#)
- get, [145](#)

- getCapacity, [145](#)
- getDistributionFields, [145](#)
- getDistributionPolicy, [145](#)
- getEvictionPolicy, [145](#)
- getFieldDef, [145](#)
- getFieldDefs, [145](#)
- getIndex, [145](#)
- getKeyDef, [146](#)
- getLockScope, [146](#)
- getLockTTL, [146](#)
- getLockWait, [146](#)
- getMinSeederCount, [146](#)
- getName, [146](#)
- getNumFields, [146](#)
- getPersistencePolicy, [146](#)
- getPersistenceType, [146](#)
- getReadTimeout, [146](#)
- getReplicationCount, [147](#)
- getSpaceWait, [147](#)
- getTTL, [147](#)
- getUpdateTransport, [147](#)
- getWriteTimeout, [147](#)
- isHostAwareReplication, [147](#)
- isPersisted, [147](#)
- isSyncReplicated, [147](#)
- LockScope, [144](#)
- PersistencePolicy, [144](#)
- PersistenceType, [144](#)
- putFieldDef, [147](#)
- removeIndexDef, [147](#)
- setCapacity, [148](#)
- setDistributionFields, [148](#)
- setDistributionPolicy, [148](#)
- setEvictionPolicy, [148](#)
- setHostAwareReplication, [148](#)
- setKey, [148](#)
- setKeyDef, [148](#)
- setLockScope, [148](#)
- setLockTTL, [148](#)
- setLockWait, [148](#)
- setMinSeederCount, [149](#)
- setName, [149](#)
- setPersisted, [149](#)
- setPersistencePolicy, [149](#)
- setPersistenceType, [149](#)
- setReadTimeout, [149](#)
- setReplicationCount, [149](#)
- setSpaceWait, [149](#)
- setSyncReplicated, [149](#)
- setTTL, [149](#)
- setUpdateTransport, [150](#)
- setWriteTimeout, [150](#)
- SpaceDef, [144](#)
- takeFieldDef, [150](#)
- UpdateTransport, [144](#)
- ASApi::SpaceDefListener, [151](#)
- ~SpaceDefListener, [152](#)
- create, [152](#)
- onAlter, [152](#)
- onDefine, [152](#)
- onDrop, [152](#)
- onSpaceAlter, [152](#)
- onSpaceDefine, [152](#)
- onSpaceDrop, [153](#)
- SpaceDefListener, [152](#)
- ASApi::SpaceEvent, [154](#)
- ~SpaceEvent, [154](#)
- EventType, [154](#)
- getMetaspaceName, [155](#)
- getSpaceName, [155](#)
- getTuple, [155](#)
- getType, [155](#)
- m_event, [155](#)
- SpaceEvent, [154](#)
- ASApi::SpaceMemberListener, [156](#)
- ~SpaceMemberListener, [157](#)
- onEvent, [157](#)
- onJoin, [157](#)
- onLeave, [157](#)
- onUpdate, [157](#)
- SpaceMemberListener, [157](#)
- ASApi::SpaceOptions, [158](#)
- ~SpaceOptions, [159](#)
- get, [159](#)
- getClosure, [159](#)
- getResultHandler, [159](#)
- m_options, [160](#)
- setClosure, [159](#)
- setResultHandler, [159](#)
- SpaceOptions, [159](#)
- ASApi::SpaceRemoteMemberListener, [161](#)
- ~SpaceRemoteMemberListener, [162](#)
- onEvent, [162](#)
- onJoin, [162](#)
- onLeave, [162](#)
- SpaceRemoteMemberListener, [162](#)
- ASApi::SpaceResult, [163](#)
- ~SpaceResult, [163](#)

- getError, [163](#)
 - getStatus, [164](#)
 - getTuple, [164](#)
 - hasError, [164](#)
 - SpaceResult, [163](#)
- ASApi::SpaceResultHandler, [165](#)
 - onCComplete, [165](#)
 - onComplete, [165](#)
- ASApi::SpaceResultHandler::Closure, [38](#)
 - m_closure, [38](#)
 - m_handler, [38](#)
- ASApi::SpaceResultList, [166](#)
 - ~SpaceResultList, [166](#)
 - getError, [167](#)
 - getStatus, [167](#)
 - getTuple, [167](#)
 - getTuples, [167](#)
 - hasError, [167](#)
 - size, [167](#)
 - SpaceResultList, [166](#)
- ASApi::SpaceStateListener, [168](#)
 - ~SpaceStateListener, [169](#)
 - onCStateChage, [169](#)
 - onStateChange, [169](#)
 - SpaceState, [169](#)
 - SpaceStateListener, [169](#)
- ASApi::TakeEvent, [170](#)
 - ~TakeEvent, [170](#)
 - TakeEvent, [170](#)
- ASApi::TakeOp, [171](#)
 - TakeOp, [171](#)
- ASApi::TakeOptions, [173](#)
 - getLockWait, [174](#)
 - isForget, [174](#)
 - isLock, [174](#)
 - isRoute, [174](#)
 - isUnlock, [174](#)
 - setForget, [174](#)
 - setLock, [174](#)
 - setLockWait, [174](#)
 - setRoute, [174](#)
 - setUnlock, [174](#)
 - TakeOptions, [174](#)
- ASApi::Tuple, [176](#)
 - ~Tuple, [177](#)
 - clear, [178](#)
 - deserialize, [178](#)
 - eval, [178](#)
 - exists, [178](#)
 - get, [178](#)
 - getBlob, [178](#)
 - getBoolean, [178](#)
 - getChar, [178](#)
 - getDateTime, [178](#)
 - getDouble, [178](#)
 - getFieldNames, [179](#)
 - getFieldType, [179](#)
 - getFloat, [179](#)
 - getInt, [179](#)
 - getLong, [179](#)
 - getShort, [179](#)
 - getString, [179](#)
 - isNull, [179](#)
 - operator==, [179](#)
 - putAll, [180](#)
 - putBoolean, [180](#)
 - putChar, [180](#)
 - putDateTime, [180](#)
 - putDouble, [180](#)
 - putFloat, [180](#)
 - putInt, [180](#)
 - putLong, [180](#)
 - putShort, [180](#)
 - putString, [180](#)
 - remove, [181](#)
 - serialize, [181](#)
 - size, [181](#)
 - toString, [181](#)
 - Tuple, [177](#)
- ASApi::UnlockOptions, [182](#)
 - getLockWait, [183](#)
 - setLockWait, [183](#)
 - UnlockOptions, [182](#)
- ASApi::UnseedEvent, [184](#)
 - ~UnseedEvent, [184](#)
 - UnseedEvent, [184](#)
- ASApi::WriteAction, [185](#)
 - getOps, [185](#)
 - WriteAction, [185](#)
- ASApi::WriteOp, [186](#)
 - ~WriteOp, [187](#)
 - getTuple, [187](#)
 - getType, [187](#)
 - m_op, [187](#)
 - Type, [187](#)
 - WriteOp, [187](#)
- asMemberListToVector
 - ASApi, [17](#)
- asStringListToVector
 - ASApi, [17](#)

- AuthenticationCallback.cpp, [200](#)
- AuthenticationCallback.h, [201](#)
- AuthenticationInfo
 - ASApi::AuthenticationInfo, [30](#)
- AuthenticationInfo.cpp, [202](#)
- AuthenticationInfo.h, [203](#)
- beginTransaction
 - ASApi::Metaspace, [102](#)
- browse
 - ASApi::Metaspace, [102](#)
 - ASApi::Space, [136](#)
- browseEvents
 - ASApi::Metaspace, [102](#)
- Browser
 - ASApi::Browser, [32](#)
- Browser.cpp, [204](#)
- Browser.h, [205](#)
- BrowserDef
 - ASApi::BrowserDef, [34](#)
- BrowserDef.cpp, [207](#)
- BrowserDef.h, [208](#)
- BrowserType
 - ASApi, [15](#)
- callback
 - ASApi::AuthenticationCallback, [29](#)
- clear
 - ASApi::Space, [136](#)
 - ASApi::Tuple, [178](#)
- CloseAction
 - ASApi::CloseAction, [37](#)
- CloseAction.cpp, [209](#)
- CloseAction.h, [210](#)
- closeAll
 - ASApi::Metaspace, [102](#)
- commitTransaction
 - ASApi::Metaspace, [102](#)
- Common.cpp, [212](#)
- Common.h, [213](#)
- compareAndPut
 - ASApi::Space, [136](#)
- compareAndPutAll
 - ASApi::Space, [136](#), [137](#)
- compareAndTake
 - ASApi::Space, [137](#)
- compareAndTakeAll
 - ASApi::Space, [137](#)
- connect
 - ASApi::Admin, [26](#)
 - ASApi::Metaspace, [102](#)
- connectMetaspace
 - ASApi::Common, [18](#)
- create
 - ASApi::FieldDef, [50](#)
 - ASApi::KeyDef, [72](#)
 - ASApi::ListenerBase, [78](#)
 - ASApi::ListenerTemplate, [83](#)
 - ASApi::Persister, [113](#)
 - ASApi::Router, [129](#)
 - ASApi::SpaceDefListener, [152](#)
- createUserCredential
 - ASApi::AuthenticationCallback, [29](#)
- Creator
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
- defineSpace
 - ASApi::Metaspace, [103](#)
- Deleter
 - ASApi::Deleter, [40](#)
- deleter
 - Tuple.cpp, [359](#)
- deserialize
 - ASApi::Tuple, [178](#)
- DistributionPolicy
 - ASApi, [15](#)
 - ASApi::SpaceDef, [144](#)
- DistributionRole
 - ASApi, [15](#)
- DistributionScope
 - ASApi, [15](#)
- dropSpace
 - ASApi::Metaspace, [103](#)
- eval
 - ASApi::Filter, [55](#)
 - ASApi::Tuple, [178](#)
- EventBrowser
 - ASApi::EventBrowser, [41](#)
- EventBrowser.cpp, [215](#)
- EventBrowser.h, [216](#)
- EventBrowserDef
 - ASApi::EventBrowserDef, [43](#)
- EventBrowserDef.cpp, [218](#)
- EventBrowserDef.h, [219](#)
- EventType
 - ASApi::SpaceEvent, [154](#)
- EvictEvent
 - ASApi::EvictEvent, [45](#)

- EvictEvent.cpp, [220](#)
- EvictEvent.h, [221](#)
- EvictionPolicy
 - ASApi, [15](#)
 - ASApi::SpaceDef, [144](#)
- Exception
 - ASApi::Exception, [46](#)
- Exception.cpp, [223](#)
- Exception.h, [224](#)
 - AS_CALL, [224](#)
- execute
 - ASApi::Admin, [26](#)
- exists
 - ASApi::Tuple, [178](#)
- ExpireEvent
 - ASApi::ExpireEvent, [48](#)
- ExpireEvent.cpp, [225](#)
- ExpireEvent.h, [226](#)
- FieldDef
 - ASApi::FieldDef, [50](#)
- FieldDef.cpp, [228](#)
- FieldDef.h, [229](#)
- FieldDefList
 - ASApi::FieldDefList, [52](#)
- FieldDefList.cpp, [230](#)
- FieldDefList.h, [231](#)
- Filter
 - ASApi::Filter, [54](#)
- Filter.cpp, [233](#)
- Filter.h, [234](#)
- get
 - ASApi::Browser, [33](#)
 - ASApi::BrowserDef, [35](#)
 - ASApi::EventBrowser, [42](#)
 - ASApi::EventBrowserDef, [44](#)
 - ASApi::FieldDef, [50](#)
 - ASApi::FieldDefList, [53](#)
 - ASApi::Filter, [55](#)
 - ASApi::IndexDef, [58](#)
 - ASApi::InvokeResult, [66](#)
 - ASApi::InvokeResultList, [69](#)
 - ASApi::KeyDef, [72](#)
 - ASApi::ListenerBase, [78](#)
 - ASApi::ListenerDef, [81](#)
 - ASApi::Member, [89](#)
 - ASApi::MemberDef, [92](#)
 - ASApi::Metaspace, [103](#)
 - ASApi::RecoveryOptions, [124](#)
 - ASApi::Space, [137](#)
 - ASApi::SpaceDef, [145](#)
 - ASApi::SpaceOptions, [159](#)
 - ASApi::Tuple, [178](#)
- getAll
 - ASApi::Space, [137](#)
- getAuthenticationCallback
 - ASApi::MemberDef, [92](#)
- getBlob
 - ASApi::Tuple, [178](#)
- getBoolean
 - ASApi::Tuple, [178](#)
- getCapacity
 - ASApi::SpaceDef, [145](#)
- getChar
 - ASApi::Tuple, [178](#)
- getClientTimeout
 - ASApi::MemberDef, [93](#)
- getClosure
 - ASApi::SpaceOptions, [159](#)
- getClusterSuspendThreshold
 - ASApi::MemberDef, [93](#)
- getCode
 - ASApi::Exception, [47](#)
- getConnectTimeout
 - ASApi::MemberDef, [93](#)
- getContext
 - ASApi::Member, [89](#)
 - ASApi::MemberDef, [93](#)
- getDataStore
 - ASApi::MemberDef, [93](#)
- getDateTime
 - ASApi::Tuple, [178](#)
- getDiscovery
 - ASApi::MemberDef, [93](#)
 - ASApi::Metaspace, [103](#)
- getDistributionFields
 - ASApi::SpaceDef, [145](#)
- getDistributionPolicy
 - ASApi::SpaceDef, [145](#)
- getDistributionRole
 - ASApi::Member, [89](#)
- getDistributionScope
 - ASApi::BrowserDef, [35](#)
 - ASApi::EventBrowserDef, [44](#)
 - ASApi::ListenerDef, [81](#)
- getDomain
 - ASApi::AuthenticationInfo, [30](#)
- getDouble
 - ASApi::Tuple, [178](#)

- getError
 - ASApi::InvokeResult, [66](#)
 - ASApi::InvokeResultList, [69](#)
 - ASApi::Result, [126](#)
 - ASApi::ResultList, [127](#)
 - ASApi::SpaceResult, [163](#)
 - ASApi::SpaceResultList, [167](#)
- getEvictionPolicy
 - ASApi::SpaceDef, [145](#)
- getFieldDef
 - ASApi::SpaceDef, [145](#)
- getFieldDefs
 - ASApi::SpaceDef, [145](#)
- getFieldNames
 - ASApi::IndexDef, [58](#)
 - ASApi::KeyDef, [72](#)
 - ASApi::Tuple, [179](#)
- getFieldType
 - ASApi::Tuple, [179](#)
- getFloat
 - ASApi::Tuple, [179](#)
- getHint
 - ASApi::AuthenticationInfo, [30](#)
- getHostAddress
 - ASApi::Member, [89](#)
- getId
 - ASApi::Member, [89](#)
- getIdentityPassword
 - ASApi::MemberDef, [93](#)
- getIndex
 - ASApi::SpaceDef, [145](#)
- getIndexType
 - ASApi::IndexDef, [58](#)
 - ASApi::KeyDef, [72](#)
- getInt
 - ASApi::Tuple, [179](#)
- getInvocableAliases
 - ASApi::Common, [18](#)
- getJoinTime
 - ASApi::Member, [89](#)
- getKeyDef
 - ASApi::SpaceDef, [146](#)
- getListen
 - ASApi::MemberDef, [93](#)
 - ASApi::Metaspace, [103](#)
- getLockScope
 - ASApi::SpaceDef, [146](#)
- getLockTTL
 - ASApi::SpaceDef, [146](#)
- getLockWait
 - ASApi::LockOptions, [87](#)
 - ASApi::PutOptions, [121](#)
 - ASApi::SpaceDef, [146](#)
 - ASApi::TakeOptions, [174](#)
 - ASApi::UnlockOptions, [183](#)
- getLogLevel
 - ASApi::Common, [18](#)
- getLong
 - ASApi::Tuple, [179](#)
- getManagementRole
 - ASApi::Member, [90](#)
- getMember
 - ASApi::InvokeResult, [66](#)
- getMemberDef
 - ASApi::Metaspace, [103](#)
- getMemberInvocableAliases
 - ASApi::Common, [18](#)
- getMemberName
 - ASApi::MemberDef, [93](#)
- getMembers
 - ASApi::Metaspace, [103](#)
- getMemberTimeout
 - ASApi::MemberDef, [93](#)
- getMessage
 - ASApi::Exception, [47](#)
- getMetaspace
 - ASApi::Common, [19](#)
 - ASApi::Space, [137](#)
- getMetaspaceName
 - ASApi::Action, [22](#)
 - ASApi::AuthenticationInfo, [31](#)
 - ASApi::Space, [138](#)
 - ASApi::SpaceEvent, [155](#)
- getMetaspaceNames
 - ASApi::Common, [19](#)
 - ASApi::Metaspace, [103](#)
- getMinSeederCount
 - ASApi::SpaceDef, [146](#)
- getName
 - ASApi::FieldDef, [50](#)
 - ASApi::IndexDef, [58](#)
 - ASApi::Member, [90](#)
 - ASApi::Space, [138](#)
 - ASApi::SpaceDef, [146](#)
- getNumFields
 - ASApi::SpaceDef, [146](#)
- getOldSpaceDef
 - ASApi::AlterAction, [27](#)
- getOldTuple
 - ASApi::PutEvent, [116](#)

- ASApi::PutOp, 119
- getOps
 - ASApi::WriteAction, 185
- GetOptions
 - ASApi::GetOptions, 56
- GetOptions.cpp, 235
- GetOptions.h, 236
- getPassword
 - ASApi::AuthenticationInfo, 31
- getPersistencePolicy
 - ASApi::SpaceDef, 146
- getPersistenceType
 - ASApi::SpaceDef, 146
- getPort
 - ASApi::Member, 90
- getProxies
 - ASApi::Member, 90
- getQueryLimit
 - ASApi::ListenerDef, 81
- getReadTimeout
 - ASApi::SpaceDef, 146
- getRemoteDiscovery
 - ASApi::MemberDef, 94
 - ASApi::Metaspace, 103
- getRemoteListen
 - ASApi::MemberDef, 94
 - ASApi::Metaspace, 104
- getRemoteMembers
 - ASApi::Metaspace, 104
- getReplicationCount
 - ASApi::SpaceDef, 147
- getResultHandler
 - ASApi::SpaceOptions, 159
- getReturn
 - ASApi::InvokeResult, 66
 - ASApi::InvokeResultList, 69
- getReturns
 - ASApi::InvokeResultList, 69
- getRxBufferSize
 - ASApi::MemberDef, 94
- getSecurityLogLevel
 - ASApi::Common, 19
- getSecurityPolicyFile
 - ASApi::MemberDef, 94
- getSecurityTokenFile
 - ASApi::MemberDef, 94
- getSelfMember
 - ASApi::Metaspace, 104
- getShort
 - ASApi::Tuple, 179
- getSpace
 - ASApi::Metaspace, 104
- getSpaceDef
 - ASApi::AlterAction, 27
 - ASApi::Metaspace, 104
 - ASApi::Space, 138
- getSpaceMembers
 - ASApi::Metaspace, 104
- getSpaceName
 - ASApi::Action, 22
 - ASApi::SpaceEvent, 155
- getSpaceState
 - ASApi::Metaspace, 104
- getSpaceWait
 - ASApi::SpaceDef, 147
- getStackTrace
 - ASApi::Exception, 47
- getState
 - ASApi::Space, 138
- getStatus
 - ASApi::ActionResult, 23
 - ASApi::Exception, 47
 - ASApi::InvokeResult, 66
 - ASApi::InvokeResultList, 69
 - ASApi::Result, 126
 - ASApi::ResultList, 127
 - ASApi::SpaceResult, 164
 - ASApi::SpaceResultList, 167
- getString
 - ASApi::Tuple, 179
- getSystemSpace
 - ASApi::Metaspace, 104
- getTimeout
 - ASApi::BrowserDef, 35
 - ASApi::EventBrowserDef, 44
- getTimeScope
 - ASApi::BrowserDef, 35
 - ASApi::EventBrowserDef, 44
 - ASApi::ListenerDef, 81
- getTransportThreadCount
 - ASApi::MemberDef, 94
- getTTL
 - ASApi::PutOp, 119
 - ASApi::PutOptions, 121
 - ASApi::SpaceDef, 147
- getTuple
 - ASApi::ActionResult, 23
 - ASApi::ReadAction, 123
 - ASApi::SpaceEvent, 155
 - ASApi::SpaceResult, 164

- ASApi::SpaceResultList, [167](#)
- ASApi::WriteOp, [187](#)
- getTuples
 - ASApi::SpaceResultList, [167](#)
- getType
 - ASApi::FieldDef, [50](#)
 - ASApi::SpaceEvent, [155](#)
 - ASApi::WriteOp, [187](#)
- getUpdateTransport
 - ASApi::SpaceDef, [147](#)
- getUserName
 - ASApi::AuthenticationInfo, [31](#)
- getUserSpaceNames
 - ASApi::Metaspace, [104](#)
- getWorkerThreadCount
 - ASApi::MemberDef, [94](#)
- getWriteTimeout
 - ASApi::SpaceDef, [147](#)
- hasError
 - ASApi::InvokeResult, [66](#)
 - ASApi::InvokeResultList, [69](#)
 - ASApi::Result, [126](#)
 - ASApi::ResultList, [127](#)
 - ASApi::SpaceResult, [164](#)
 - ASApi::SpaceResultList, [167](#)
- hasOldTuple
 - ASApi::PutEvent, [116](#)
 - ASApi::PutOp, [119](#)
- IndexDef
 - ASApi::IndexDef, [57](#)
- IndexDef.cpp, [238](#)
- IndexDef.h, [239](#)
- IndexType
 - ASApi, [16](#)
- Invocable.cpp, [241](#)
- Invocable.h, [242](#)
- invoke
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
 - ASApi::Space, [138](#)
- invokeByCreator
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
- invokeByObject
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
- invokeMember
 - ASApi::Space, [138](#)
- invokeMembers
 - ASApi::Space, [138](#)
- InvokeOptions
 - ASApi::InvokeOptions, [63](#)
- InvokeOptions.cpp, [243](#)
- InvokeOptions.h, [244](#)
- invokeRemoteMembers
 - ASApi::Space, [138](#)
- InvokeResult
 - ASApi::InvokeResult, [65](#)
- InvokeResult.cpp, [246](#)
- InvokeResult.h, [247](#)
- InvokeResultList
 - ASApi::InvokeResultList, [68](#)
- InvokeResultList.cpp, [249](#)
- InvokeResultList.h, [250](#)
- invokeSeeders
 - ASApi::Space, [138](#)
- isEncrypted
 - ASApi::FieldDef, [51](#)
- isForget
 - ASApi::LockOptions, [87](#)
 - ASApi::PutOptions, [121](#)
 - ASApi::TakeOptions, [174](#)
- isHostAwareReplication
 - ASApi::SpaceDef, [147](#)
- isLock
 - ASApi::PutOptions, [121](#)
 - ASApi::TakeOptions, [174](#)
- isNull
 - ASApi::Tuple, [179](#)
- isNullable
 - ASApi::FieldDef, [51](#)
- isPersisted
 - ASApi::SpaceDef, [147](#)
- isReady
 - ASApi::Space, [139](#)
- isRoute
 - ASApi::PutOptions, [121](#)
 - ASApi::TakeOptions, [174](#)
- isSyncreplicated
 - ASApi::SpaceDef, [147](#)
- isUnlock
 - ASApi::LockOptions, [87](#)
 - ASApi::TakeOptions, [174](#)
- KeyDef
 - ASApi::KeyDef, [72](#)
- KeyDef.cpp, [252](#)
- KeyDef.h, [253](#)

- listen
 - ASApi::Metaspace, 104
 - ASApi::Space, 139
- Listener
 - ASApi::Listener, 75
- Listener.cpp, 255
- Listener.h, 256
- ListenerBase
 - ASApi::ListenerBase, 78
- ListenerBase.h, 258
- ListenerDef
 - ASApi::ListenerDef, 80
- ListenerDef.cpp, 260
- ListenerDef.h, 261
- ListenerFree
 - ASApi::ListenerBase, 77
- ListenerTemplate
 - ASApi::ListenerTemplate, 83
- ListenerTemplate.h, 262
- listenMemberEvents
 - ASApi::Metaspace, 105
- listenRemoteMemberEvents
 - ASApi::Metaspace, 105
- listenSpaceDefs
 - ASApi::Metaspace, 105
- listenSpaceMemberEvents
 - ASApi::Metaspace, 105
- listenSpaceRemoteMemberEvents
 - ASApi::Metaspace, 105
- listenSpaceState
 - ASApi::Metaspace, 105
- load
 - ASApi::Space, 139
- LoadAction
 - ASApi::LoadAction, 85
- LoadAction.cpp, 263
- LoadAction.h, 264
- loadAll
 - ASApi::Space, 139
- lock
 - ASApi::Space, 139
- lockAll
 - ASApi::Space, 139
- LockOptions
 - ASApi::LockOptions, 87
- LockOptions.cpp, 266
- LockOptions.h, 267
- LockScope
 - ASApi::SpaceDef, 144
- LogLevel
 - ASApi, 16
- m_action
 - ASApi::Action, 22
- m_callback
 - ASApi::AuthenticationCallback::CClosure, 36
 - ASApi::ListenerTemplate, 83
- m_closure
 - ASApi::SpaceResultHandler::Closure, 38
- m_cObject
 - ASApi::ListenerBase, 79
- m_creator
 - ASApi::ListenerTemplate, 83
- m_deleter
 - ASApi::ListenerBase, 79
- m_event
 - ASApi::SpaceEvent, 155
- m_handler
 - ASApi::SpaceResultHandler::Closure, 38
- m_listener
 - ASApi::ListenerTemplate, 83
- m_op
 - ASApi::WriteOp, 187
- m_options
 - ASApi::SpaceOptions, 160
- ManagementRole
 - ASApi, 16
- Member
 - ASApi::Member, 89
- Member.cpp, 269
- Member.h, 270
- MemberDef
 - ASApi::MemberDef, 92
- MemberDef.cpp, 271
- MemberDef.h, 272
- MemberInvocable.cpp, 274
- MemberInvocable.h, 275
- membersToAsMemberList
 - ASApi, 17
- Metaspace
 - ASApi::Metaspace, 101
- Metaspace.cpp, 276
- Metaspace.h, 277
- MetaspaceMemberListener
 - ASApi::MetaspaceMemberListener, 108
- MetaspaceMemberListener.cpp, 279

- MetaspaceMemberListener.h, 280
- MetaspaceRemoteMemberListener
 - ASApi::MetaspaceRemoteMemberListener, ASApi::MetaspaceMemberListener, 110
- MetaspaceRemoteMemberListener.cpp, 282
- MetaspaceRemoteMemberListener.h, 283
- Method
 - ASApi::AuthenticationInfo, 30
- Mutex
 - ASApi, 16
- Mutex.cpp, 285
- Mutex.h, 286
- next
 - ASApi::Browser, 33
- onAlter
 - ASApi::Persister, 113
 - ASApi::Router, 129
 - ASApi::SpaceDefListener, 152
- onCAlter
 - ASApi::Persister, 113
 - ASApi::Router, 129
- onCClose
 - ASApi::Persister, 113
 - ASApi::Router, 129
- onCComplete
 - ASApi::SpaceResultHandler, 165
- onCLoad
 - ASApi::Persister, 114
- onClose
 - ASApi::Persister, 114
 - ASApi::Router, 129
- onComplete
 - ASApi::SpaceResultHandler, 165
- onCOpen
 - ASApi::Persister, 114
 - ASApi::Router, 130
- onCRead
 - ASApi::Persister, 114
- onCStateChage
 - ASApi::SpaceStateListener, 169
- onCWrite
 - ASApi::Persister, 114
 - ASApi::Router, 130
- onDefine
 - ASApi::SpaceDefListener, 152
- onDrop
 - ASApi::SpaceDefListener, 152
- onEvent
 - ASApi::Listener, 75
- ASApi::MetaspaceRemoteMemberListener, ASApi::MetaspaceMemberListener, 108
- ASApi::MetaspaceRemoteMemberListener, 110
- ASApi::SpaceMemberListener, 157
- ASApi::SpaceRemoteMemberListener, 162
- onEvict
 - ASApi::Listener, 75
- onExpire
 - ASApi::Listener, 75
- onJoin
 - ASApi::MetaspaceMemberListener, 108
 - ASApi::MetaspaceRemoteMemberListener, 110
 - ASApi::SpaceMemberListener, 157
 - ASApi::SpaceRemoteMemberListener, 162
- onLeave
 - ASApi::MetaspaceMemberListener, 108
 - ASApi::MetaspaceRemoteMemberListener, 110
 - ASApi::SpaceMemberListener, 157
 - ASApi::SpaceRemoteMemberListener, 162
- onLoad
 - ASApi::Persister, 114
- onOpen
 - ASApi::Persister, 114
 - ASApi::Router, 130
- onPut
 - ASApi::Listener, 75
- onRead
 - ASApi::Persister, 114
- onSeed
 - ASApi::Listener, 75
- onSpaceAlter
 - ASApi::SpaceDefListener, 152
- onSpaceDefine
 - ASApi::SpaceDefListener, 152
- onSpaceDrop
 - ASApi::SpaceDefListener, 153
- onStateChange
 - ASApi::SpaceStateListener, 169
- onTake
 - ASApi::Listener, 75

- onUnseed
 - ASApi::Listener, [76](#)
- onUpdate
 - ASApi::MetaspaceMemberListener, [108](#)
 - ASApi::SpaceMemberListener, [157](#)
- onWrite
 - ASApi::Persister, [114](#)
 - ASApi::Router, [130](#)
- OpenAction
 - ASApi::OpenAction, [111](#)
- OpenAction.cpp, [287](#)
- OpenAction.h, [288](#)
- operator<<
 - Tuple.cpp, [359](#)
 - Tuple.h, [361](#)
- operator()
 - ASApi::Deleter, [40](#)
- operator=
 - ASApi::MemberDef, [94](#)
- operator==
 - ASApi::Tuple, [179](#)
- PersistencePolicy
 - ASApi, [16](#)
 - ASApi::SpaceDef, [144](#)
- PersistenceType
 - ASApi, [16](#)
 - ASApi::SpaceDef, [144](#)
- Persister
 - ASApi::Persister, [113](#)
- Persister.cpp, [290](#)
- Persister.h, [291](#)
- populateAliases
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
- put
 - ASApi::InvokeResultList, [69](#)
 - ASApi::Space, [139](#), [140](#)
- putAll
 - ASApi::Space, [140](#)
 - ASApi::Tuple, [180](#)
- putBoolean
 - ASApi::Tuple, [180](#)
- putChar
 - ASApi::Tuple, [180](#)
- putDateTime
 - ASApi::Tuple, [180](#)
- putDouble
 - ASApi::Tuple, [180](#)
- PutEvent
 - ASApi::PutEvent, [116](#)
- PutEvent.cpp, [293](#)
- PutEvent.h, [294](#)
- putFieldDef
 - ASApi::SpaceDef, [147](#)
- putFloat
 - ASApi::Tuple, [180](#)
- putInt
 - ASApi::Tuple, [180](#)
- putLong
 - ASApi::Tuple, [180](#)
- PutOp
 - ASApi::PutOp, [118](#)
- PutOp.cpp, [296](#)
- PutOp.h, [297](#)
- PutOptions
 - ASApi::PutOptions, [121](#)
- PutOptions.cpp, [298](#)
- PutOptions.h, [299](#)
- putShort
 - ASApi::Tuple, [180](#)
- putString
 - ASApi::Tuple, [180](#)
- ReadAction
 - ASApi::ReadAction, [123](#)
- ReadAction.cpp, [301](#)
- ReadAction.h, [302](#)
- recoverSpace
 - ASApi::Metaspace, [105](#)
- RecoveryOptions
 - ASApi::RecoveryOptions, [124](#)
- RecoveryOptions.cpp, [304](#)
- RecoveryOptions.h, [305](#)
- remove
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
 - ASApi::Tuple, [181](#)
- removeIndexDef
 - ASApi::SpaceDef, [147](#)
- removeInvocable
 - ASApi::Common, [19](#)
- removeMemberInvocable
 - ASApi::Common, [19](#)
- reset
 - ASApi::Deleter, [40](#)
- Result.cpp, [307](#)
- Result.h, [308](#)
- ResultList.cpp, [310](#)

- ResultList.h, [311](#)
- rollbackTransaction
 - ASApi::Metaspace, [105](#)
- Router
 - ASApi::Router, [129](#)
- Router.cpp, [313](#)
- Router.h, [314](#)
- SeedEvent
 - ASApi::SeedEvent, [131](#)
- SeedEvent.cpp, [316](#)
- SeedEvent.h, [317](#)
- serialize
 - ASApi::Tuple, [181](#)
- set
 - ASApi::Invocable, [61](#)
 - ASApi::MemberInvocable, [98](#)
- setAuthenticationCallback
 - ASApi::MemberDef, [94](#)
- setCapacity
 - ASApi::SpaceDef, [148](#)
- setClientTimeout
 - ASApi::MemberDef, [94](#)
- setClosure
 - ASApi::SpaceOptions, [159](#)
- setClusterSuspendThreshold
 - ASApi::MemberDef, [95](#)
- setConnectTimeout
 - ASApi::MemberDef, [95](#)
- setContext
 - ASApi::InvokeOptions, [64](#)
 - ASApi::MemberDef, [95](#)
- setDataStore
 - ASApi::MemberDef, [95](#)
- setDiscovery
 - ASApi::MemberDef, [95](#)
- setDistributionFields
 - ASApi::SpaceDef, [148](#)
- setDistributionPolicy
 - ASApi::SpaceDef, [148](#)
- setDistributionRole
 - ASApi::Space, [140](#)
- setDistributionScope
 - ASApi::BrowserDef, [35](#)
 - ASApi::EventBrowserDef, [44](#)
 - ASApi::ListenerDef, [81](#)
- setDomain
 - ASApi::AuthenticationInfo, [31](#)
- setEncrypted
 - ASApi::FieldDef, [51](#)
- setEventLogging
 - ASApi::Common, [19](#)
- setEvictionPolicy
 - ASApi::SpaceDef, [148](#)
- setFailed
 - ASApi::ActionResult, [23](#)
- setFieldNames
 - ASApi::IndexDef, [58](#)
 - ASApi::KeyDef, [72](#), [73](#)
- setFileLogging
 - ASApi::Common, [19](#)
- setForget
 - ASApi::LockOptions, [87](#)
 - ASApi::PutOptions, [121](#)
 - ASApi::TakeOptions, [174](#)
- setHostAwareReplication
 - ASApi::SpaceDef, [148](#)
- setIdentityPassword
 - ASApi::MemberDef, [95](#)
- setIndexType
 - ASApi::IndexDef, [58](#)
 - ASApi::KeyDef, [73](#)
- setInvocable
 - ASApi::Common, [19](#), [20](#)
- setKey
 - ASApi::SpaceDef, [148](#)
- setKeyDef
 - ASApi::SpaceDef, [148](#)
- setListen
 - ASApi::MemberDef, [95](#)
- setLock
 - ASApi::PutOptions, [121](#)
 - ASApi::TakeOptions, [174](#)
- setLockScope
 - ASApi::SpaceDef, [148](#)
- setLockTTL
 - ASApi::SpaceDef, [148](#)
- setLockWait
 - ASApi::LockOptions, [87](#)
 - ASApi::PutOptions, [121](#)
 - ASApi::SpaceDef, [148](#)
 - ASApi::TakeOptions, [174](#)
 - ASApi::UnlockOptions, [183](#)
- setLogLevel
 - ASApi::Common, [20](#)
- setMemberDef
 - ASApi::Metaspace, [106](#)
- setMemberInvocable
 - ASApi::Common, [20](#)
- setMemberName

- ASApi::MemberDef, 95
- setMemberTimeout
 - ASApi::MemberDef, 95
- setMinSeederCount
 - ASApi::SpaceDef, 149
- setName
 - ASApi::IndexDef, 58
 - ASApi::SpaceDef, 149
- setNullable
 - ASApi::FieldDef, 51
- setPassword
 - ASApi::AuthenticationInfo, 31
- setPersisted
 - ASApi::SpaceDef, 149
- setPersistencePolicy
 - ASApi::SpaceDef, 149
- setPersistenceType
 - ASApi::SpaceDef, 149
- setPersister
 - ASApi::Space, 140
- setQueryLimit
 - ASApi::ListenerDef, 81
- setReadTimeout
 - ASApi::SpaceDef, 149
- setRemoteDiscovery
 - ASApi::MemberDef, 95
- setRemoteListen
 - ASApi::MemberDef, 96
- setReplicationCount
 - ASApi::SpaceDef, 149
- setResultHandler
 - ASApi::SpaceOptions, 159
- setRoute
 - ASApi::PutOptions, 121
 - ASApi::TakeOptions, 174
- setRouter
 - ASApi::Space, 140
- setRxBufferSize
 - ASApi::MemberDef, 96
- setSecurityLogLevel
 - ASApi::Common, 20
- setSecurityPolicyFile
 - ASApi::MemberDef, 96
- setSecurityTokenFile
 - ASApi::MemberDef, 96
- setSpaceWait
 - ASApi::SpaceDef, 149
- setSyncReplicated
 - ASApi::SpaceDef, 149
- setTimeout
 - ASApi::BrowserDef, 35
 - ASApi::EventBrowserDef, 44
- setTimeScope
 - ASApi::BrowserDef, 35
 - ASApi::EventBrowserDef, 44
 - ASApi::ListenerDef, 81
- setTransportThreadCount
 - ASApi::MemberDef, 96
- setTTL
 - ASApi::PutOptions, 121
 - ASApi::SpaceDef, 149
- setTuple
 - ASApi::ActionResult, 23
- setUnlock
 - ASApi::LockOptions, 87
 - ASApi::TakeOptions, 174
- setUpdateTransport
 - ASApi::SpaceDef, 150
- setUserName
 - ASApi::AuthenticationInfo, 31
- setWorkerThreadCount
 - ASApi::MemberDef, 96
- setWriteTimeout
 - ASApi::SpaceDef, 150
- SharedPtr
 - ASApi::SharedPtr, 133
- SharedPtr.h, 319
- size
 - ASApi::FieldDefList, 53
 - ASApi::InvokeResultList, 69
 - ASApi::ResultList, 127
 - ASApi::Space, 140
 - ASApi::SpaceResultList, 167
 - ASApi::Tuple, 181
- Space
 - ASApi::Space, 136
- Space.cpp, 320
- Space.h, 321
- SpaceDef
 - ASApi::SpaceDef, 144
- SpaceDef.cpp, 323
- SpaceDef.h, 324
- SpaceDefListener
 - ASApi::SpaceDefListener, 152
- SpaceDefListener.cpp, 326
- SpaceDefListener.h, 327
- SpaceEvent
 - ASApi::SpaceEvent, 154
- SpaceEvent.cpp, 328
- SpaceEvent.h, 329

- SpaceMemberListener
 - ASApi::SpaceMemberListener, [157](#)
- SpaceMemberListener.cpp, [331](#)
- SpaceMemberListener.h, [332](#)
- SpaceOptions
 - ASApi::SpaceOptions, [159](#)
- SpaceOptions.h, [334](#)
- SpaceRemoteMemberListener
 - ASApi::SpaceRemoteMemberListener, [162](#)
- SpaceRemoteMemberListener.cpp, [336](#)
- SpaceRemoteMemberListener.h, [337](#)
- SpaceResult
 - ASApi::SpaceResult, [163](#)
- SpaceResult.cpp, [339](#)
- SpaceResult.h, [340](#)
- SpaceResultHandler.cpp, [342](#)
- SpaceResultHandler.h, [343](#)
- SpaceResultList
 - ASApi::SpaceResultList, [166](#)
- SpaceResultList.cpp, [345](#)
- SpaceResultList.h, [346](#)
- SpaceState
 - ASApi, [16](#)
 - ASApi::SpaceStateListener, [169](#)
- SpaceStateListener
 - ASApi::SpaceStateListener, [169](#)
- SpaceStateListener.cpp, [348](#)
- SpaceStateListener.h, [349](#)
- start
 - ASApi::ListenerBase, [78](#)
- Status
 - ASApi, [16](#)
- std::shared_ptr, [132](#)
- stop
 - ASApi::ListenerBase, [78](#)
- take
 - ASApi::Space, [140](#)
- takeAll
 - ASApi::Space, [141](#)
- TakeEvent
 - ASApi::TakeEvent, [170](#)
- TakeEvent.cpp, [351](#)
- TakeEvent.h, [352](#)
- takeFieldDef
 - ASApi::SpaceDef, [150](#)
- TakeOp
 - ASApi::TakeOp, [171](#)
- TakeOp.cpp, [354](#)
- TakeOp.h, [355](#)
- TakeOptions
 - ASApi::TakeOptions, [174](#)
- TakeOptions.cpp, [356](#)
- TakeOptions.h, [357](#)
- TimeScope
 - ASApi, [16](#)
- toString
 - ASApi::Tuple, [181](#)
- Tuple
 - ASApi::Tuple, [177](#)
- Tuple.cpp, [359](#)
- deleter, [359](#)
- operator<<, [359](#)
- Tuple.h, [360](#)
- operator<<, [361](#)
- tuplesToAsTupleList
 - ASApi, [17](#)
- Type
 - ASApi::FieldDef, [50](#)
 - ASApi::WriteOp, [187](#)
- Types.h, [362](#)
- AS_CPP_API, [363](#)
- unlock
 - ASApi::Space, [141](#)
- UnlockOptions
 - ASApi::UnlockOptions, [182](#)
- UnlockOptions.cpp, [364](#)
- UnlockOptions.h, [365](#)
- UnseedEvent
 - ASApi::UnseedEvent, [184](#)
- UnseedEvent.cpp, [367](#)
- UnseedEvent.h, [368](#)
- UpdateTransport
 - ASApi::SpaceDef, [144](#)
- Utils.cpp, [370](#)
- Utils.h, [371](#)
- waitForReady
 - ASApi::Space, [141](#)
- WriteAction
 - ASApi::WriteAction, [185](#)
- WriteAction.cpp, [373](#)
- WriteAction.h, [374](#)
- WriteOp
 - ASApi::WriteOp, [187](#)
- WriteOp.cpp, [376](#)
- WriteOp.h, [377](#)