# BWSip

Generated by Doxygen 1.7.6.1

Tue Mar 15 2016 14:39:34

# **Contents**

1	Clas	s Index 1					
	1.1	Class I	Class List				
2	Class Documentation				3		
	2.1	com.ba	andwidth.b	wsip.BWAccount Class Reference	3		
		2.1.1	Detailed	Description	4		
		2.1.2	Construc	tor & Destructor Documentation	4		
			2.1.2.1	BWAccount	4		
		2.1.3	Member	Function Documentation	4		
			2.1.3.1	addCall	4		
			2.1.3.2	addProxy	5		
			2.1.3.3	addSipHeader	5		
			2.1.3.4	clearProxies	5		
			2.1.3.5	clearSipHeaders	5		
			2.1.3.6	close	5		
			2.1.3.7	connect	5		
			2.1.3.8	equals	5		
			2.1.3.9	getCredentials	6		
			2.1.3.10	getDelegate	6		
			2.1.3.11	getDisplayName	6		
			2.1.3.12	getldUri	6		
			2.1.3.13	getLastState	6		
			2.1.3.14	getRegistrar	7		
			2.1.3.15	getRegistrationFirstRetryInterval	7		
			2.1.3.16	getRegistrationInterval	7		
			2.1.3.17	getRegistrationRegistrarInterval	7		

ii CONTENTS

	2.1.3.18	getRegistrationRetryInterval
	2.1.3.19	getServerPort
	2.1.3.20	islceEnabled
	2.1.3.21	isRegistrationActive
	2.1.3.22	removeCall
	2.1.3.23	setCredentials
	2.1.3.24	setDelegate 9
	2.1.3.25	setDisplayName 9
	2.1.3.26	setIceEnabled 9
	2.1.3.27	setIdUri
	2.1.3.28	setRegistrar
	2.1.3.29	setRegistrationFirstRetryInterval
	2.1.3.30	setRegistrationInterval
	2.1.3.31	setRegistrationRetryInterval
	2.1.3.32	setServerPort
	2.1.3.33	updateRegistration
com.ba	ındwidth.b	wsip.delegates.BWAccountDelegate Interface Reference 11
com.ba		wsip.delegates.BWAccountDelegate Interface Reference 11  Description
2.2.1	Detailed I	
2.2.1	Detailed I	Description
2.2.1 com.ba	Detailed I andwidth.b Detailed I	Description
2.2.1 com.ba	Detailed I andwidth.b Detailed I	Description
2.2.1 com.ba	Detailed Indwidth.br Detailed I	Description
2.2.1 com.ba	Detailed Indwidth.br Detailed Indoorstruct 2.3.2.1 2.3.2.2	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12
2.2.1 com.ba 2.3.1 2.3.2	Detailed Indwidth.br Detailed Indoorstruct 2.3.2.1 2.3.2.2	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individth.br Detailed Inconstruct 2.3.2.1 2.3.2.2 Member Inc. 2.3.3.1	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individth.br Detailed Inconstruct 2.3.2.1 2.3.2.2 Member Inc. 2.3.3.1	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individth.br Detailed Inconstruct 2.3.2.1 2.3.2.2 Member Inconstruct 2.3.3.1 2.3.3.2	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Indwidth.br Detailed Indwidth.br Construct 2.3.2.1 2.3.2.2 Member Industrial 2.3.3.1 2.3.3.2 2.3.3.3	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13         answerCall       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individith.br Detailed Inconstruct 2.3.2.1 2.3.2.2 Member Inconstruct 2.3.3.1 2.3.3.2 2.3.3.3 2.3.3.4	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13         answerCall       13         close       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individth.br Detailed Individual Construct 2.3.2.1 2.3.2.2 Member I 2.3.3.1 2.3.3.2 2.3.3.3 2.3.3.4 2.3.3.5	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13         close       13         dialDTMF       13
2.2.1 com.ba 2.3.1 2.3.2	Detailed Indwidth.br Detailed Indwidth.br Construct 2.3.2.1 2.3.2.2 Member Industrial 2.3.3.1 2.3.3.2 2.3.3.3 2.3.3.4 2.3.3.5 2.3.3.6	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13         answerCall       13         close       13         dialDTMF       13         equals       14
2.2.1 com.ba 2.3.1 2.3.2	Detailed Individth.b  Detailed Individth.b  Construct 2.3.2.1 2.3.2.2  Member I 2.3.3.1 2.3.3.2 2.3.3.3 2.3.3.4 2.3.3.5 2.3.3.6 2.3.3.7	Description       11         wsip.BWCall Class Reference       11         Description       12         tor & Destructor Documentation       12         BWCall       12         BWCall       13         Function Documentation       13         addGeolocation       13         addSipHeader       13         answerCall       13         close       13         dialDTMF       13         equals       14         getDelegate       14
		2.1.3.19 2.1.3.20 2.1.3.21 2.1.3.22 2.1.3.23 2.1.3.24 2.1.3.25 2.1.3.26 2.1.3.27 2.1.3.28 2.1.3.29 2.1.3.30 2.1.3.31 2.1.3.32

CONTENTS iii

		2.3.3.11	getLastStatusCode
		2.3.3.12	getLocalUri
		2.3.3.13	getParentAccount
		2.3.3.14	getRemoteUri
		2.3.3.15	getStats
		2.3.3.16	hangupCall
		2.3.3.17	isIncoming
		2.3.3.18	isMuted
		2.3.3.19	isOnHold
		2.3.3.20	makeCall
		2.3.3.21	setDelegate
		2.3.3.22	setIncoming
		2.3.3.23	setMute
		2.3.3.24	setOnHold
		2.3.3.25	setRemoteUri
2.4	com.ba	andwidth.b	wsip.delegates.BWCallDelegate Interface Reference 17
	2.4.1	Detailed I	Description
2.5	com.ba	andwidth.b	wsip.constants.BWCallState Enum Reference 18
	2.5.1	Detailed I	Description
2.6	com.ba	andwidth.b	wsip.BWCodec Class Reference
	2.6.1	Detailed I	Description
	2.6.2	Member	Function Documentation
		2.6.2.1	listAvailable
		2.6.2.2	setPriority
2.7	com.ba	andwidth.b	wsip.BWCredentials Class Reference
	2.7.1	Detailed I	Description
2.8	com.ba	andwidth.b	wsip.BWGps Class Reference 20
	2.8.1	Detailed I	Description
	2.8.2	Member	Function Documentation 20
		2.8.2.1	generatePIDFLOXml 20
		2.8.2.2	getLatitude
		2.8.2.3	getLongitude
		2.8.2.4	getTime
		2.8.2.5	onLocationChanged

iv CONTENTS

		2.8.2.6	setLatitude	21
		2.8.2.7	setLongitude	21
		2.8.2.8	setTime	21
		2.8.2.9	updateCoordinates	21
2.9	com.ba	andwidth.b	wsip.delegates.BWGpsDelegate Interface Reference .	22
	2.9.1	Detailed I	Description	22
2.10	com.ba	andwidth.b	wsip.constants.BWOutputRoute Enum Reference	22
	2.10.1	Detailed I	Description	22
2.11	com.ba	andwidth.b	wsip.BWPhone Class Reference	23
	2.11.1	Detailed I	Description	24
	2.11.2	Member I	Function Documentation	24
		2.11.2.1	close	24
		2.11.2.2	createTransport	24
		2.11.2.3	getClientPort	24
		2.11.2.4	getEndpointInfo	25
		2.11.2.5	getInputVolume	25
		2.11.2.6	getInstance	25
		2.11.2.7	getLogLevel	25
		2.11.2.8	getTransportTag	25
		2.11.2.9	getTransportType	26
		2.11.2.10	getUserAgent	26
		2.11.2.11	hasSrvResolution	26
		2.11.2.12	initialize	26
		2.11.2.13	isInitialized	26
		2.11.2.14	isKeepAliveActive	26
		2.11.2.15	playWavFile	27
		2.11.2.16	setAudioOutputRoute	27
		2.11.2.17	setClientPort	27
		2.11.2.18	setInputVolume	27
		2.11.2.19	setKeepAlive	27
		2.11.2.20	setLogLevel	28
		2.11.2.21	setOutputVolume	28
		2.11.2.22	setSrvResolution	28
		2.11.2.23	setTransportType	28

CONTENTS

		2.11.2.24 setUserAgent
		2.11.2.25 updateNameServers
2.12 c	om.ba	ndwidth.bwsip.constants.BWSipResponse Enum Reference 29
2	.12.1	Detailed Description
2	.12.2	Member Function Documentation
		2.12.2.1 get
		2.12.2.2 getValue
		2.12.2.3 isClientFailure
		2.12.2.4 isFailure
		2.12.2.5 isGlobalFailure
		2.12.2.6 isProvisional
		2.12.2.7 isRedirection
		2.12.2.8 isServerFailure
		2.12.2.9 isSuccessful
2.13 c	om.ba	ndwidth.bwsip.BWTone Class Reference
2	.13.1	Detailed Description
2	.13.2	Member Function Documentation
		2.13.2.1 close
		2.13.2.2 isRingbackPlaying
		2.13.2.3 playDigit
		2.13.2.4 playDigit
		2.13.2.5 playDigit
		2.13.2.6 playDigit
		2.13.2.7 startDigit
		2.13.2.8 startDigit
		2.13.2.9 startRingback
		2.13.2.10 stopDigit
		2.13.2.11 stopRingback
2.14 c	om.ba	ndwidth.bwsip.constants.BWTransport Enum Reference 34
2	.14.1	Detailed Description
2.15 c	om.ba	ndwidth.bwsip.models.CallStats Class Reference
2	2.15.1	Detailed Description
		ndwidth.bwsip.receivers.ConnectivityChangeReceiver Class - nce

vi CONTENTS

2.17	com.bandwidth.bwsip.models.EndpointInfo Class Reference			
	2.17.1	Detailed I	Description	37
2.18	com.ba	ndwidth.b	wsip.receivers.KeepAliveReceiver Class Reference	37
	2.18.1	Detailed I	Description	37
2.19	com.ba	ndwidth.b	wsip.services.KeepAliveService Class Reference	37
	2.19.1	Detailed I	Description	38
	2.19.2	Member F	Function Documentation	38
		2.19.2.1	cancelAlarms	38
		2.19.2.2	getShortestRegistrationInterval	38
		2.19.2.3	scheduleAlarm	38
2.20	com.ba	ndwidth.b	wsip.BWAccount.MyAccount Class Reference	38

# **Chapter 1**

# **Class Index**

# 1.1 Class List

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

com.bandwidth.bwsip.BWAccount	3
com.bandwidth.bwsip.delegates.BWAccountDelegate	11
com.bandwidth.bwsip.BWCall	11
com.bandwidth.bwsip.delegates.BWCallDelegate	17
com.bandwidth.bwsip.constants.BWCallState	18
com.bandwidth.bwsip.BWCodec	18
com.bandwidth.bwsip.BWCredentials	19
com.bandwidth.bwsip.BWGps	20
com.bandwidth.bwsip.delegates.BWGpsDelegate	22
com.bandwidth.bwsip.constants.BWOutputRoute	22
com.bandwidth.bwsip.BWPhone	23
com.bandwidth.bwsip.constants.BWSipResponse	29
com.bandwidth.bwsip.BWTone	32
com.bandwidth.bwsip.constants.BWTransport	34
com.bandwidth.bwsip.models.CallStats	35
com.bandwidth.bwsip.receivers.ConnectivityChangeReceiver	36
com.bandwidth.bwsip.models.EndpointInfo	36
com.bandwidth.bwsip.receivers.KeepAliveReceiver	37
com.bandwidth.bwsip.services.KeepAliveService	37
com bandwidth bwein RWAccount MyAccount	38

2 Class Index

# **Chapter 2**

# **Class Documentation**

# 2.1 com.bandwidth.bwsip.BWAccount Class Reference

#### **Classes**

class MyAccount

#### **Public Member Functions**

- BWAccount (BWPhone phone)
- boolean equals (Object o)
- BWAccountDelegate getDelegate ()
- void setDelegate (BWAccountDelegate delegate)
- void connect ()
- void close ()
- · void addSipHeader (String name, String value)
- void clearSipHeaders ()
- void addProxy (String proxy)
- void clearProxies ()
- boolean islceEnabled ()
- void setIceEnabled (boolean iceEnabled)
- boolean isRegistrationActive ()
- void updateRegistration (boolean renew)
- int getRegistrationInterval ()
- void setRegistrationInterval (int interval)
- int getRegistrationRegistrarInterval ()
- int getRegistrationFirstRetryInterval ()
- void setRegistrationFirstRetryInterval (int interval)
- int getRegistrationRetryInterval ()
- void setRegistrationRetryInterval (int interval)
- BWSipResponse getLastState ()

- String getIdUri ()
- void setIdUri (String idUri)
- String getDisplayName ()
- void setDisplayName (String displayName)
- String getRegistrar ()
- void setRegistrar (String registrar)
- BWCredentials getCredentials ()
- void setCredentials (BWCredentials credentials)
- long getServerPort ()
- void setServerPort (long serverPort)

#### **Protected Member Functions**

- void addCall (BWCall call)
- · void removeCall (BWCall call)

#### **Protected Attributes**

- MyAccount myAccount
- List< BWCall > calls

#### 2.1.1 Detailed Description

BWAccount is the class used to connect to the SIP server.

#### 2.1.2 Constructor & Destructor Documentation

# 2.1.2.1 com.bandwidth.bwsip.BWAccount.BWAccount ( BWPhone phone )

Constructor: when a BWAccount object is initialized it checks if the BWPhone used as a parameter in the constructor is already initialized (i.e. the PJSUA2 library is already loaded and Endpoint is not null).

# Parameters

phone BWPhone

#### 2.1.3 Member Function Documentation

# 2.1.3.1 void com.bandwidth.bwsip.BWAccount.addCall ( BWCall call ) [protected]

Add a BWCall to the call list.

#### **Parameters**

call

2.1.3.2 void com.bandwidth.bwsip.BWAccount.addProxy ( String proxy )

Add a proxy.

#### **Parameters**

proxy String proxy URL.

2.1.3.3 void com.bandwidth.bwsip.BWAccount.addSipHeader ( String name, String value )

Add a header to the SIP INVITE.

#### **Parameters**

name	String the header name.
value	String the header value.

2.1.3.4 void com.bandwidth.bwsip.BWAccount.clearProxies ( )

Clear the proxies.

2.1.3.5 void com.bandwidth.bwsip.BWAccount.clearSipHeaders ( )

Clear the SIP headers.

2.1.3.6 void com.bandwidth.bwsip.BWAccount.close ( )

Closes all connections for that account.

2.1.3.7 void com.bandwidth.bwsip.BWAccount.connect()

Establish a connection with the SIP server. This method must be called after a BW-Account object is created and the developer has already set all the connection parameters like registrar, user credentials, etc. Any change in the BWAccount object only has affect when a new connection is done.

2.1.3.8 boolean com.bandwidth.bwsip.BWAccount.equals (Object o)

Compare two BWAccount objects.

Returns

BWSipResponse the account state.

2.1.3.14	String com.bandwidth.bwsip.BWAccount.getRegistrar ( )
Get the i	registrar URI.
Returns Strir	ng
2.1.3.15	$int com. bandwidth. bwsip. BWAccount. getRegistration FirstRetryInterval \ ($
Get the i	interval that will retry to do the registration for the first time.
Returns int tl	he first registration retry interval, in seconds.
2.1.3.16	int com.bandwidth.bwsip.BWAccount.getRegistrationInterval()
Get the i	registration interval.
Returns int tl	he registration interval in seconds.
2.1.3.17	$int \ com. bandwidth. bwsip. BWAccount. getRegistrationRegistrarInterval \ ($
	registration interval returned by the registrar; it might be different than the reginterval set by the client.
Returns	
int tl	he registration interval, in seconds.
2.1.3.18	int com.bandwidth.bwsip.BWAccount.getRegistrationRetryInterval ( )
Get the i	interval that will redo the registration.
Returns int tl	he re-registration interval, in seconds.

2.1.3.19	long com.bandwidth.bwsip.BWAccount.getServerPort( )
Get the	port number.
Returns	
the	clientPort
2.1.3.20	boolean com.bandwidth.bwsip.BWAccount.isIceEnabled ( )
Check i	f ICE (Interactive Connectivity Establishment) is enabled when doing the SIP ion.
Returns	
true	e if it's enabled
2.1.3.21	boolean com.bandwidth.bwsip.BWAccount.isRegistrationActive ( )
Flag to	tell if the account is currently registered.
Returns	
boo	plean true if the account is currently registered; false if it's not.
2.1.3.22	<pre>void com.bandwidth.bwsip.BWAccount.removeCall ( BWCall call ) [protected]</pre>
Remove	e a BWCall from the call list.
Paramete	ers
	call
2.1.3.23	void com.bandwidth.bwsip.BWAccount.setCredentials ( BWCredentials credentials )
Set the	credentials (username & password) to connect to the myAccount.
Daramete	wa.

credentials BWCredentials

2.1.3.24 void com.bandwidth.bwsip.BWAccount.setDelegate (
BWAccountDelegate delegate )

Set the delegated class.

#### **Parameters**

delegate | BWAccountDelegate class

The name that will be displayed with the phone number when you make calls.

#### **Parameters**

displayName the displayName to set

2.1.3.26 void com.bandwidth.bwsip.BWAccount.setIceEnabled ( boolean *iceEnabled* )

Enable or disable ICE (Interactive Connectivity Establishment) connections.

#### **Parameters**

iceEnabled | true if you want to enable ICE connection

2.1.3.27 void com.bandwidth.bwsip.BWAccount.setIdUri ( String idUri )

Set the myAccount ID.

• Example: "12223334444@bwsip.io"

#### **Parameters**

idUri String

2.1.3.28 void com.bandwidth.bwsip.BWAccount.setRegistrar ( String registrar )

Set the registrar URI that will get connected.

· Example: "bwsip.io"

Pa	ra	m	Δi	re

registrar	String

2.1.3.29 void com.bandwidth.bwsip.BWAccount.setRegistrationFirstRetryInterval (int interval)

The interval, in seconds, when we will try to do the registration again after it fails for the first time.

#### **Parameters**

interval

2.1.3.30 void com.bandwidth.bwsip.BWAccount.setRegistrationInterval ( int interval )

Set the registration interval.

#### **Parameters**

interval the interval, in seconds, when the registration will be sent again.

2.1.3.31 void com.bandwidth.bwsip.BWAccount.setRegistrationRetryInterval (intinterval)

The interval, in seconds, when we will try to do the registration again after it fails for the second time.

## **Parameters**

interval

2.1.3.32 void com.bandwidth.bwsip.BWAccount.setServerPort ( long serverPort )

Set the port number. (default = 5060)

# Parameters

serverPort | the clientPort to set

2.1.3.33 void com.bandwidth.bwsip.BWAccount.updateRegistration ( boolean renew )

Update registration or perform un-registration.

#### 2.2 com.bandwidth.bwsip.delegates.BWAccountDelegate Interface Reference 11

#### **Parameters**

renew true to renew the registration, false to cancel the registration.

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

· BWAccount.java

# 2.2 com.bandwidth.bwsip.delegates.BWAccountDelegate Interface Reference

#### **Public Member Functions**

- void onRegStateChanged (BWAccount account)
- void onlncomingCall (BWCall call)

# 2.2.1 Detailed Description

Interface with methods used by the Delegation Pattern.

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

• BWAccountDelegate.java

# 2.3 com.bandwidth.bwsip.BWCall Class Reference

#### Classes

· class MyCall

# **Public Member Functions**

- BWCall (BWAccount bwAccount)
- BWCall (BWAccount bwAccount, int callId)
- BWAccount getParentAccount ()
- boolean equals (Object o)
- BWCallDelegate getDelegate ()
- void setDelegate (BWCallDelegate delegate)
- void close ()
- void makeCall ()
- void answerCall (BWSipResponse answerType)
- void hangupCall ()
- void addSipHeader (String name, String value)
- BWCallState getLastState ()

- BWSipResponse getLastStatusCode ()
- void addGeolocation (BWGps gps)
- void setMute (boolean enabled)
- void diaIDTMF (String digits)
- String getLocalUri ()
- String getRemoteUri ()
- void setRemoteUri (String remoteUri)
- CallStats getStats ()
- boolean isIncoming ()
- void setIncoming (boolean incoming)
- boolean isOnHold ()
- void setOnHold (boolean enabled)
- boolean isMuted ()
- int getDuration ()
- Map< String, List< String > > getInviteHeaders ()

#### **Protected Attributes**

· MyCall myCall

# **Package Functions**

void setInviteHeaders (Map< String, List< String >> inviteHeaders)

# **Package Attributes**

• String remoteUri

# 2.3.1 Detailed Description

Class used to receive and make phone calls.

#### 2.3.2 Constructor & Destructor Documentation

#### 2.3.2.1 com.bandwidth.bwsip.BWCall.BWCall ( BWAccount bwAccount )

Constructor.

#### **Parameters**

bwAccount | BWAccount - the account that will generate the call.

2.3.2.2 com.bandwidth.bwsip.BWCall.BWCall ( BWAccount bwAccount, int callId )

Constructor.

#### **Parameters**

bwAccount	BWAccount - the account that will generate the call.
callId	int - the call ld.

#### 2.3.3 Member Function Documentation

2.3.3.1 void com.bandwidth.bwsip.BWCall.addGeolocation ( BWGps gps )

Add the Geolocation header to the call.

#### **Parameters**

gps | BWGps - the BWGps object with the coordinates set.

2.3.3.2 void com.bandwidth.bwsip.BWCall.addSipHeader (String name, String value)

Add a header to the SIP INVITE.

#### **Parameters**

name	String the header name.
value	String the header value.

# 

Answers the call

## Parameters

_		
	answerType	int - the answer type (available in BWConsts).

2.3.3.4 void com.bandwidth.bwsip.BWCall.close()

Closes a BWCall object and removes if from the call list in the parent BWAccount object.

2.3.3.5 void com.bandwidth.bwsip.BWCall.dialDTMF (String digits)

Send DTMF digits using RFC 2833 payload formats.

#### **Parameters**

digite	String - the digits that will be sent to the other party.
ululia	. Strilla - the dialis that will be sent to the other barty.

# 2.3.3.6 boolean com.bandwidth.bwsip.BWCall.equals (Object o)

Compare two BWCall objects.

#### **Parameters**

 BWCall - the object that will be compared with the current instance of BWCall.

#### Returns

boolean - true if the objects have the same call ld; false if they are different.

# 2.3.3.7 BWCallDelegate com.bandwidth.bwsip.BWCall.getDelegate ( )

Get the delegated class.

#### Returns

**BWCallDelegate** 

#### 2.3.3.8 int com.bandwidth.bwsip.BWCall.getDuration()

Return the call duration.

#### Returns

int - the call duration, in seconds.

# 2.3.3.9 Map < String > > com.bandwidth.bwsip.BWCall.getInviteHeaders ( )

Get the headers received on the INVITE request. This is only populated for inbound calls.

# ${\bf 2.3.3.10}\quad {\bf BWCallState\ com.bandwidth.bwsip.BWCall.getLastState\ (\quad)}$

Get the call's last state.

#### Returns

BWCallState the call state.

```
2.3.3.11 BWSipResponse com.bandwidth.bwsip.BWCall.getLastStatusCode ( )
Get the call's last status code.
Returns
    the call's last status code.
2.3.3.12 String com.bandwidth.bwsip.BWCall.getLocalUri ( )
Get the Local URI.
Returns
    String - the local URI.
2.3.3.13 BWAccount com.bandwidth.bwsip.BWCall.getParentAccount ( )
Get the call's parent account.
Returns
    BWAccount - the BWAccount that generated this call object.
2.3.3.14 String com.bandwidth.bwsip.BWCall.getRemoteUri()
Get the Remote URI.
Returns
    String - the remote URI.
2.3.3.15 CallStats com.bandwidth.bwsip.BWCall.getStats ( )
Get the call stats.
Returns
    CallStats - the key value representation of the call stats.
2.3.3.16 void com.bandwidth.bwsip.BWCall.hangupCall()
Hangs-up the call.
```



2.3.3.23 void com.bandwidth.bwsip.BWCall.setMute (boolean enabled)

Mute or un-mute a call.

#### **Parameters**

enabled boolean - true to mute the call; false to un-mute.

2.3.3.24 void com.bandwidth.bwsip.BWCall.setOnHold (boolean enabled)

Put a call on hold or release the hold.

#### **Parameters**

enabled boolean - true to put a call on hold; false to release the hold.

2.3.3.25 void com.bandwidth.bwsip.BWCall.setRemoteUri ( String remoteUri )

Set the URI that is making the phone call.

#### **Parameters**

remoteUri String the remote URI.

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

BWCall.java

# 2.4 com.bandwidth.bwsip.delegates.BWCallDelegate Interface - Reference

**Public Member Functions** 

- · void onCallStateChanged (BWCall call)
- void onlncomingDTMF (BWCall call, String digits)

#### 2.4.1 Detailed Description

Interface with methods used by the Delegation Pattern.

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

• BWCallDelegate.java

# 2.5 com.bandwidth.bwsip.constants.BWCallState Enum Reference

#### **Public Member Functions**

• int getValue ()

#### **Static Public Member Functions**

- · [static initializer]
- static BWCallState get (int value)

#### **Public Attributes**

- **NULL** = (0)
- **CALLING** = (1)
- **INCOMING** = (2)
- **EARLY** = (3)
- CONNECTING = (4)
- CONFIRMED = (5)
- **DISCONNECTED** = (6)

# 2.5.1 Detailed Description

Created by vegidio on 3/19/15.

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

• BWCallState.java

# 2.6 com.bandwidth.bwsip.BWCodec Class Reference

#### **Public Member Functions**

- String getId ()
- void setId (String id)
- short getPriority ()
- void **setPriority** (short priority)

# **Static Public Member Functions**

- static List< BWCodec > listAvailable ()
- static void setPriority (List< BWCodec > codecs)

#### 2.6.1 Detailed Description

Class used to create and set codec priorities.

#### 2.6.2 Member Function Documentation

```
2.6.2.1 static List<BWCodec> com.bandwidth.bwsip.BWCodec.listAvailable() [static]
```

List the available codecs.

Set the codec priorities.

#### **Parameters**

codecs

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

· BWCodec.java

# 2.7 com.bandwidth.bwsip.BWCredentials Class Reference

**Public Member Functions** 

- String getPassword ()
- String getToken ()
- String getUsername ()
- boolean isTokenBased ()

#### **Static Public Member Functions**

- static BWCredentials createWithPassword (String username, String password)
- static BWCredentials createWithToken (String username, String token)

#### 2.7.1 Detailed Description

Created by vegidio on 7/1/15.

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

· BWCredentials.java

# 2.8 com.bandwidth.bwsip.BWGps Class Reference

Inherits LocationListener.

#### **Public Member Functions**

- void updateCoordinates (Activity activity)
- String generatePIDFLOXml ()
- void onLocationChanged (Location location)
- void onProviderDisabled (String provider)
- void **onProviderEnabled** (String provider)
- · void onStatusChanged (String provider, int status, Bundle extras)
- double getLatitude ()
- void setLatitude (double latitude)
- double getLongitude ()
- void setLongitude (double longitude)
- Date getTime ()
- void setTime (Date time)
- boolean isSuccess ()
- BWGpsDelegate getDelegate ()
- void setDelegate (BWGpsDelegate delegate)

# 2.8.1 Detailed Description

Class used the get GPS coordinates.

### 2.8.2 Member Function Documentation

2.8.2.1 String com.bandwidth.bwsip.BWGps.generatePIDFLOXmI()

Generate a XML in the PIDF-LO format representing the GPS coordinates.

Returns

2.8.2.2 double com.bandwidth.bwsip.BWGps.getLatitude ( )

Returns

the latitude

2.8.2.3 double com.bandwidth.bwsip.BWGps.getLongitude ( )
Returns
the longitude
2.8.2.4 Date com.bandwidth.bwsip.BWGps.getTime ( )
Returns
the time
2.8.2.5 void com.bandwidth.bwsip.BWGps.onLocationChanged ( Location location )
Location Manager Listeners
2.8.2.6 void com.bandwidth.bwsip.BWGps.setLatitude ( double latitude )
Parameters
latitude the latitude to set
2.8.2.7 void com.bandwidth.bwsip.BWGps.setLongitude ( double longitude ) Parameters
longitude   the longitude to set
2.8.2.8 void com.bandwidth.bwsip.BWGps.setTime ( Date time )
Parameters time a laboration and the same to see
time the time to set
2.8.2.9 void com.bandwidth.bwsip.BWGps.updateCoordinates ( Activity activity )
Update the GPS coordinates. Delegated method: BWGpsDelegate#onCoordinates- Updated(BWGps)
Parameters
activity
The documentation for this class was generated from the following file:

Generated on Tue Mar 15 2016 14:39:34 for BWSip by Doxygen

· BWGps.java

# 2.9 com.bandwidth.bwsip.delegates.BWGpsDelegate Interface - Reference

**Public Member Functions** 

• void onCoordinatesUpdated (BWGps gps)

# 2.9.1 Detailed Description

Interface with methods used by the Delegation Pattern.

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

• BWGpsDelegate.java

# 2.10 com.bandwidth.bwsip.constants.BWOutputRoute Enum - Reference

**Public Member Functions** 

• int getValue ()

**Static Public Member Functions** 

- · [static initializer]
- static BWOutputRoute get (int value)

**Public Attributes** 

- **EARPIECE** = (0)
- LOUDSPEAKER = (1)

# 2.10.1 Detailed Description

Created by vegidio on 3/19/15.

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

• BWOutputRoute.java

# 2.11 com.bandwidth.bwsip.BWPhone Class Reference

#### Classes

· class BWLogWriter

#### **Public Member Functions**

- synchronized void initialize ()
- void updateNameServers ()
- synchronized boolean isInitialized ()
- void createTransport () throws Exception
- void close ()
- void setAudioOutputRoute (Context context, BWOutputRoute outputRoute)
- EndpointInfo getEndpointInfo (Context context)
- int getLogLevel ()
- void setLogLevel (int logLevel)
- long getClientPort ()
- void setClientPort (long clientPort)
- BWTransport getTransportType ()
- void setTransportType (BWTransport transportType)
- String getTransportTag ()
- String getUserAgent ()
- void setUserAgent (String userAgent)
- boolean hasSrvResolution ()
- void setSrvResolution (boolean srvResolution)
- boolean isKeepAliveActive ()
- void setKeepAlive (Context context)
- float getInputVolume ()
- void setInputVolume (float volume)
- float getOutputVolume ()
- void setOutputVolume (float volume)
- void playWavFile (String filepath)

# **Static Public Member Functions**

• static BWPhone getInstance ()

# **Public Attributes**

- StringVector **stunServers** = new StringVector()
- StringVector nameServers = new StringVector()
- Context context = null
- List< BWAccount > accounts

#### **Protected Member Functions**

- · void addAccount (BWAccount account)
- void removeAccount (BWAccount account)

#### **Protected Attributes**

- · Endpoint endpoint
- String remotelpAddress = ""

# **Static Package Functions**

· [static initializer]

#### 2.11.1 Detailed Description

Main class of the framework. You must initialize and configure this class before you use any other class in the framework.

#### 2.11.2 Member Function Documentation

2.11.2.1 void com.bandwidth.bwsip.BWPhone.close ( )

Deletes any PJSUA2 object. You must call this function when SIP connection is no longer used.

2.11.2.2 void com.bandwidth.bwsip.BWPhone.createTransport ( ) throws Exception

Configure the transport for the current endpoint.

#### **Exceptions**

Exception

# 2.11.2.3 long com.bandwidth.bwsip.BWPhone.getClientPort()

Get the port number.

#### Returns

the clientPort

2.11.2.4 EndpointInfo com.bandwidth.bwsip.BWPhone.getEndpointInfo ( Context context )

Get the local/remote IPs, name servers and the Wifi SSID (if used).

#### **Parameters**

context the Application context.

#### Returns

EndpointInfo

2.11.2.5 float com.bandwidth.bwsip.BWPhone.getInputVolume ( )

Get the input volume.

#### **Returns**

int input the volume value.

2.11.2.6 static BWPhone com.bandwidth.bwsip.BWPhone.getInstance() [static]

Get the **BWPhone** instance.

#### Returns

**BWPhone** object

2.11.2.7 int com.bandwidth.bwsip.BWPhone.getLogLevel ( )

Get the log level.

#### Returns

the logLevel

2.11.2.8 String com.bandwidth.bwsip.BWPhone.getTransportTag ( )

#### Returns

the transportTag

```
2.11.2.9 BWTransport com.bandwidth.bwsip.BWPhone.getTransportType ( )
Returns
    the transportType
2.11.2.10 String com.bandwidth.bwsip.BWPhone.getUserAgent ( )
Get the user agent.
Returns
    the userAgent
2.11.2.11 boolean com.bandwidth.bwsip.BWPhone.hasSrvResolution ( )
Check if the SRV Resolution is enabled.
Returns
    true if SRV Resolution is enabled; false if it's disabled.
2.11.2.12 synchronized void com.bandwidth.bwsip.BWPhone.initialize ( )
Initialize the BWPhone object.
2.11.2.13 synchronized boolean com.bandwidth.bwsip.BWPhone.isInitialized ( )
Check if PJSUA2 native library is loaded and the Endpoint is initialized.
Returns
    true if it's loaded
2.11.2.14 boolean com.bandwidth.bwsip.BWPhone.isKeepAliveActive ( )
Check if the Keep Alive is active or not.
Returns
    boolean true if the Keep Alive is active; false if it's not.
```

2.11.2.15 void com.bandwidth.bwsip.BWPhone.playWavFile (String filepath)

Plays a given WAV file WAV file MUST be formatted as 16bit PCM mono/single channel

#### **Parameters**

filepath	The path to the file to be played
----------	-----------------------------------

2.11.2.16 void com.bandwidth.bwsip.BWPhone.setAudioOutputRoute ( Context context, BWOutputRoute outputRoute )

Selects the device's audio output (Earpiece, Loudspeaker or Bluetooth)

#### **Parameters**

context	the Application context.
outputRoute	the output route constant.

2.11.2.17 void com.bandwidth.bwsip.BWPhone.setClientPort ( long clientPort )

Set the port number. (default = 0)

#### **Parameters**

clientPort   the clientPort to set	
------------------------------------	--

2.11.2.18 void com.bandwidth.bwsip.BWPhone.setInputVolume ( float volume )

Update the input volume (usually the device's mic).

# Parameters

vol	ume the volume le	evel (0 - mute, 1 - norma	I, > 1 - louder than normal)

2.11.2.19 void com.bandwidth.bwsip.BWPhone.setKeepAlive ( Context context )

Set up the Keep Alive feature. With Keep Alive active, every successful BWAccount connection will be automatically renewed. When the registration reaches half of its time, the framework will wake up the device and renew all active registrations.

#### **Parameters**

context	the application context.

2.11.2.20 void com.bandwidth.bwsip.BWPhone.setLogLevel (int logLevel)

Set the log level. (default = 0)

# **Parameters**

logLevel	the logLevel to set

2.11.2.21 void com.bandwidth.bwsip.BWPhone.setOutputVolume (float volume)

Update the output volume (usually the device's speaker).

#### **Parameters**

volume	the volume level	(0 - mute. 1 - n	ormal. > 1 - 1	louder than normal)	
VOIGITIO	tilo volullo lovol	(O IIIIGIO, I II	orrinal, /	ioaaci iiiaii iioiiiiai,	

2.11.2.22 void com.bandwidth.bwsip.BWPhone.setSrvResolution ( boolean srvResolution )

Enable of disable the SRV Resolution.

#### **Parameters**

srv-	true to enable the SRV Resolution; false to disable it.
Resolution	

The transport type (UDP, TCP or TLS).

#### **Parameters**

transport-	the transportType to set
Туре	

2.11.2.24 void com.bandwidth.bwsip.BWPhone.setUserAgent ( String userAgent )

Set the user agent. (default = 'BWSip Framework v1.0')

#### **Parameters**

userAgent	the userAgent to set	

2.11.2.25 void com.bandwidth.bwsip.BWPhone.updateNameServers ( )

Update the name servers used by the endpoint.

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

· BWPhone.java

# 2.12 com.bandwidth.bwsip.constants.BWSipResponse Enum - Reference

#### **Public Member Functions**

- BWSipResponse (int value)
- int getValue ()
- boolean isProvisional ()
- boolean isSuccessful ()
- boolean isRedirection ()
- boolean isClientFailure ()
- boolean isServerFailure ()
- boolean isGlobalFailure ()
- boolean isFailure ()

#### **Static Public Member Functions**

- [static initializer]
- static BWSipResponse get (int value)

### **Public Attributes**

- **TRYING** = (100)
- **RINGING** = (180)
- CALL\_BEING\_FORWARDED = (181)
- **QUEUED** = (182)
- **PROGRESS** = (183)
- OK = (200)
- **ACCEPTED** = (202)
- MULTIPLE\_CHOICES = (300)
- MOVED\_PERMANENTLY = (301)
- MOVED\_TEMPORARILY = (302)
- **USE\_PROXY** = (305)
- ALTERNATIVE\_SERVICE = (380)
- **BAD\_REQUEST** = (400)
- UNAUTHORIZED = (401)

- PAYMENT\_REQUIRED = (402)
- **FORBIDDEN** = (403)
- **NOT\_FOUND** = (404)
- METHOD NOT ALLOWED = (405)
- NOT\_ACCEPTABLE = (406)
- PROXY AUTHENTICATION REQUIRED = (407)
- **REQUEST\_TIMEOUT** = (408)
- **GONE** = (410)
- REQUEST\_ENTITY\_TOO\_LARGE = (413)
- REQUEST\_URI\_TOO\_LONG = (414)
- UNSUPPORTED\_MEDIA\_TYPE = (415)
- UNSUPPORTED\_URI\_SCHEME = (416)
- **BAD\_EXTENSION** = (420)
- EXTENSION REQUIRED = (421)
- SESSION TIMER TOO SMALL = (422)
- INTERVAL\_TOO\_BRIEF = (423)
- TEMPORARILY\_UNAVAILABLE = (480)
- CALL\_TSX\_DOES\_NOT\_EXIST = (481)
- **LOOP\_DETECTED** = (482)
- TOO\_MANY\_HOPS = (483)
- ADDRESS INCOMPLETE = (484)
- **AMBIGUOUS** = (485)
- **BUSY\_HERE** = (486)
- REQUEST\_TERMINATED = (487)
- NOT\_ACCEPTABLE\_HERE = (488)
- **BAD\_EVENT** = (489)
- REQUEST\_UPDATED = (490)
- **REQUEST\_PENDING** = (491)
- UNDECIPHERABLE = (493)
- INTERNAL SERVER ERROR = (500)
- NOT\_IMPLEMENTED = (501)
- **BAD GATEWAY** = (502)
- SERVICE\_UNAVAILABLE = (503)
- **SERVER\_TIMEOUT** = (504)
- VERSION\_NOT\_SUPPORTED = (505)
- MESSAGE\_TOO\_LARGE = (513)
- PRECONDITION\_FAILURE = (580)
- BUSY\_EVERYWHERE = (600)
- **DECLINE** = (603)
- DOES\_NOT\_EXIST\_ANYWHERE = (604)
- NOT\_ACCEPTABLE\_ANYWHERE = (606)

## 2.12.1 Detailed Description

Enumeration of the SIP status codes.

2.12.2	Member Function Documentation
2.12.2.1	static BWSipResponse com.bandwidth.bwsip.constants.BWSip-Response.get(int value) [static]
Get the	enumeration for the given integer status code.
Paramete	ers
	value the integer status code.
Returns	
the	enumeration value for the given integer or null if not found.
2.12.2.2	int com.bandwidth.bwsip.constants.BWSipResponse.getValue ( )
Returns	
the	integer value of this status code.
2.12.2.3	boolean com.bandwidth.bwsip.constants.BWSipResponse.isClientFailure ( )
Returns	
whe	ether this is a client failure status code or not.
2.12.2.4	boolean com.bandwidth.bwsip.constants.BWSipResponse.isFailure ( )
Returns	
whe	ether this is a client, server or global failure status code or not.
2.12.2.5	boolean com.bandwidth.bwsip.constants.BWSipResponse.isGlobal-Failure ( )
Returns	
whe	ether this is a global failure status code or not.
2.12.2.6	${\it boolean com.bandwidth.bwsip.constants.BWSipResponse.isProvisional} \ ( \ )$

whether this is a provisional status code or not.

Returns

2.12.2.7 boolean com.bandwidth.bwsip.constants.BWSipResponse.isRedirection (

#### Returns

whether this is a redirection status code or not.

2.12.2.8 boolean com.bandwidth.bwsip.constants.BWSipResponse.isServer-Failure ( )

#### Returns

whether this is a server failure status code or not.

2.12.2.9 boolean com.bandwidth.bwsip.constants.BWSipResponse.isSuccessful (

#### Returns

whether this is a successful status code or not.

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

· BWSipResponse.java

# 2.13 com.bandwidth.bwsip.BWTone Class Reference

#### **Public Member Functions**

- synchronized void close ()
- synchronized void startRingback ()
- synchronized void stopRingback ()
- synchronized boolean isRingbackPlaying ()
- void startDigit (String digit)
- void startDigit (String digit, float volume)
- void stopDigit ()
- void playDigit (String digit)
- void playDigit (String digit, float volume)
- void playDigit (String digit, int duration)
- void playDigit (String digit, int duration, float volume)

## 2.13.1 Detailed Description

Class used to generate tones in the device.

#### 2.13.2 Member Function Documentation

2.13.2.1 synchronized void com.bandwidth.bwsip.BWTone.close ( )

Closes the tone generator. Should be called before setting all references to null.

2.13.2.2 synchronized boolean com.bandwidth.bwsip.BWTone.isRingbackPlaying ( )

Return true if the ringback tone is playing; false if it's not playing.

#### Returns

ringbackPlaying boolean

2.13.2.3 void com.bandwidth.bwsip.BWTone.playDigit ( String digit )

Plays a DTMF tone (default duration = 200 ms)

#### **Parameters**

digit String - the DTMF digit to be played.	ng - the DTMF digit to be played.
---	-----------------------------------

2.13.2.4 void com.bandwidth.bwsip.BWTone.playDigit ( String digit, float volume )

Plays a DTMF tone (default duration = 200 ms)

#### **Parameters**

digit	String - the DTMF digit to be played.
volume	float - the tone volume [0 - mute; 1 - full volume].

2.13.2.5 void com.bandwidth.bwsip.BWTone.playDigit ( String digit, int duration )

Plays a DTMF tone for X miliseconds.

#### **Parameters**

digit	String - the DTMF digit to be played.
duration	int - the number of milliseconds to play the tone.

2.13.2.6 void com.bandwidth.bwsip.BWTone.playDigit ( String *digit*, int *duration*, float *volume* )

Plays a DTMF tone for X miliseconds.

#### **Parameters**

digit	String - the DTMF digit to be played.
duration	int - the number of milliseconds to play the tone.
volume	float - the tone volume [0 - mute; 1 - full volume].

#### 2.13.2.7 void com.bandwidth.bwsip.BWTone.startDigit ( String digit )

Starts a tone with an indefinite duration.

#### **Parameters**

" "	
digit String the	e DTMF digit to be played.
ululi Silliu - ille	ED HVIF UIUILIO DE DIAVEU.

#### 2.13.2.8 void com.bandwidth.bwsip.BWTone.startDigit ( String digit, float volume )

Starts a tone with an indefinite duration.

#### **Parameters**

digit	String - the DTMF digit to be played.
volume	float - the tone volume [0 - mute; 1 - full volume].

# 2.13.2.9 synchronized void com.bandwidth.bwsip.BWTone.startRingback ( )

Starts the ringback tone. You must have the BWPhone initialized to call this method.

## 2.13.2.10 void com.bandwidth.bwsip.BWTone.stopDigit ( )

Stops any tone currently playing.

#### 2.13.2.11 synchronized void com.bandwidth.bwsip.BWTone.stopRingback ( )

Stops the ringback tone. You must have the  $\ensuremath{\mathsf{BWPhone}}$  initialized to call this method.

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

· BWTone.java

# 2.14 com.bandwidth.bwsip.constants.BWTransport Enum Reference

**Public Member Functions** 

• int getValue ()

# **Static Public Member Functions**

- [static initializer]
- static BWTransport get (int value)

### **Public Attributes**

- **UDP** = (0)
- TCP = (1)
- TLS = (2)

#### 2.14.1 Detailed Description

Created by vegidio on 3/19/15.

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

· BWTransport.java

# 2.15 com.bandwidth.bwsip.models.CallStats Class Reference

#### **Public Member Functions**

- long getCodecClock ()
- void setCodecClock (long codecClock)
- String getCodecName ()
- void **setCodecName** (String codecName)
- int getRoundTripTimeMean ()
- void setRoundTripTimeMean (int roundTripTimeMean)
- long getRxBytes ()
- void **setRxBytes** (long rxBytes)
- int getRxJitterMean ()
- void **setRxJitterMean** (int rxJitterMean)
- int getRxLossPeriodMean ()
- void setRxLossPeriodMean (int rxLossPeriodMean)
- long getRxPackageDiscard ()
- void setRxPackageDiscard (long rxPackageDiscard)
- long getRxPackageDuplicated ()
- void setRxPackageDuplicated (long rxPackageDuplicated)
- long getRxPackageLost ()
- void setRxPackageLost (long rxPackageLost)
- long getRxPackageNumber ()
- void setRxPackageNumber (long rxPackageNumber)
- long getRxPackageReordered ()
- void setRxPackageReordered (long rxPackageReordered)

- long getTxBytes ()
- void setTxBytes (long txBytes)
- int getTxJitterMean ()
- void **setTxJitterMean** (int txJitterMean)
- int getTxLossPeriodMean ()
- void setTxLossPeriodMean (int txLossPeriodMean)
- long getTxPackageDiscard ()
- void setTxPackageDiscard (long txPackageDiscard)
- long getTxPackageDuplicated ()
- void setTxPackageDuplicated (long txPackageDuplicated)
- long getTxPackageLost ()
- void setTxPackageLost (long txPackageLost)
- long getTxPackageNumber ()
- void setTxPackageNumber (long txPackageNumber)
- long getTxPackageReordered ()
- void setTxPackageReordered (long txPackageReordered)

#### 2.15.1 Detailed Description

Created by vegidio on 5/26/15.

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

· CallStats.java

# 2.16 com.bandwidth.bwsip.receivers.ConnectivityChangeReceiver Class Reference

Inherits BroadcastReceiver.

# **Public Member Functions**

void onReceive (Context context, Intent intent)

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

· ConnectivityChangeReceiver.java

# 2.17 com.bandwidth.bwsip.models.EndpointInfo Class Reference

**Public Member Functions** 

• String getlpLocalAddress ()

- void setIpLocalAddress (String ipLocalAddress)
- String getIpRemoteAddress ()
- void setIpRemoteAddress (String ipRemoteAddress)
- List< String > getNameServers ()
- void setNameServers (List< String > nameServers)
- String getWifiSSID ()
- void setWifiSSID (String wifiSSID)

# 2.17.1 Detailed Description

Created by vegidio on 5/26/15.

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

· EndpointInfo.java

# 2.18 com.bandwidth.bwsip.receivers.KeepAliveReceiver Class - Reference

Inherits BroadcastReceiver.

**Public Member Functions** 

· void onReceive (Context context, Intent intent)

# 2.18.1 Detailed Description

Created by vegidio on 2/25/15.

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

• KeepAliveReceiver.java

# 2.19 com.bandwidth.bwsip.services.KeepAliveService Class - Reference

Inherits Service.

#### **Public Member Functions**

- IBinder onBind (Intent intent)
- void onCreate ()
- int onStartCommand (Intent intent, int flags, int startId)

# **Static Public Member Functions**

- static int getShortestRegistrationInterval ()
- static void cancelAlarms ()
- static void scheduleAlarm (int registrationInterval)

# 2.19.1 Detailed Description

Created by vegidio on 2/25/15.

#### 2.19.2 Member Function Documentation

2.19.2.1 static void com.bandwidth.bwsip.services.KeepAliveService.cancelAlarms
( ) [static]

Cancel any existing alarm.

2.19.2.2 static int com.bandwidth.bwsip.services.KeepAliveService.getShortest-RegistrationInterval() [static]

Get the shortest registration interval across all accounts.

## Returns

int the registration interval, in seconds.

2.19.2.3 static void com.bandwidth.bwsip.services.Keep-AliveService.scheduleAlarm ( int registrationInterval ) [static]

Schedule an alarm to run X seconds after the current time.

#### **Parameters**

registration-	the registration interval, in seconds.
Interval	

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

· KeepAliveService.java

# 2.20 com.bandwidth.bwsip.BWAccount.MyAccount Class Reference

Inherits Account.

# **Public Member Functions**

- MyAccount (BWAccount bwAccount)
- void **onRegState** (OnRegStateParam prm)
- void **onIncomingCall** (OnIncomingCallParam prm)

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

• BWAccount.java