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SIP Endpoint SDK Deployment Guide

New In This Release

4/24/2025

New In This Release

Check out the new features that have been added in the latest releases of SIP Endpoint SDK for Apple OS.

New in Release 8.1.2 for Apple OS

- SIP Endpoint SDK 8.1.2 for Apple OS supports OS X Mountain Lion (10.8)
- This release of SIP Endpoint SDK for Apple OS supports the following codecs:
 - G.711 (PCMA, PCMU)
 - G.722
 - iLBC (Internet Low Bitrate Codec)
 - iSAC (Internet Speech Audio Codec)
 - VP8 video
- SIP Endpoint SDK 8.1.2 for Apple OS supports the following Plantronics headset models in the standard headset mode:
 - Savi W440
 - Savi W7xx
 - Blackwire C320

SIP Endpoint SDK 8.1.2 for Apple OS also supports the following features:

- TLS 1.2 protocol (RFC 6176)
- AGC (Automatic Gain Control)
- MWI (Message Waiting Indicator)
- You can now specify these behaviors when a SIP Endpoint user does not have a working USB headset:
 - Whether SIP Endpoint should automatically reject an incoming call
 - The SIP error code to be sent to the inviting party
- INVITE messages now have an additional header that contains user data. This data can be obtained by using the following new method of `GSSessionControlService`:

```
- (GSResult) dialFrom:(id<GSConnection>)connection  
to:(NSString*)destination withData:(NSString *)data;
```
- Hangup on RTP inactivity timeout
- Configuration of:
 - RTP port ranges

- SIP port ranges
- Continuous Registration
- DTMF tones can now be sent using SIP INFO
- VoIP monitoring of packet jitter and latency using RTP statistics
- NAT (Network Address Translation) traversal methods:
 - ICE (Interactive Connectivity Establishment)
 - STUN (Session Traversal Utilities for NAT)
 - TURN (Traversal Using Relay NAT)
- Connection to Genesys SIP Cluster

In addition, this release of SIP Endpoint SDK for Apple OS uses a SIP stack that has been developed by Genesys.

New in Release 8.1.1 for Apple OS

- SIP Endpoint SDK 8.1.1 for Apple OS supports OS X Lion (10.7)
- This release of SIP Endpoint SDK for Apple OS supports the following voice codecs:
 - G.711 (PCMA, PCMU)
 - G.722
 - iLBC (Internet Low Bitrate Codec)
- When devices and services use multiple voice codecs, the SIP Endpoint SDK for Apple OS supports the negotiation of the voice codec that will be used between them.
- The SIP Endpoint SDK for Apple OS supports Quality of Service (QoS), which helps guarantee that packet traffic for a voice or other media connection will not be delayed or dropped due to interference.
- The SIP Endpoint SDK for Apple OS supports additional security signaling and media encryption via SRTP (Secure Real-Time Transport Protocol).
- The SIP Endpoint SDK for Apple OS supports both first party call control (1PCC) and third party call control (3PCC).