



# ***Avaya Client SDK Release Notes***

Release 4.33  
Issue 1.2  
April 2024

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## Change history

Issue	Date	Description
1.1	10/29/2021	Release 4.20.0.0 issue for the Avaya Client SDK.
1.2	04/05/2024	Release 4.33 update for the Avaya Client SDK with updated JavaScript Package.

## Introduction

This document provides late-breaking information to supplement the Avaya Client SDK software and documentation. For updated documentation, go to – [http://www.devconnectprogram.com/site/global/products\\_resources/avaya\\_client\\_sdk/overview/index.gsp](http://www.devconnectprogram.com/site/global/products_resources/avaya_client_sdk/overview/index.gsp).

## Product Release Matrix for SDK Packages

Package	API Modified	Documentation Updated	Version Number
Communication Services - Native (iOS, Android, MacOS, Windows)	Yes	No	4.33 – 520.0.60
Communication Services - JavaScript	Yes	No	4.10.0.36
Desk Phone Services	Yes	No	4.33 – 520.0.60
Meeting Management Services	No	No	3.7.0.1-20190812.123037-1
Recording Management Services	No	No	4.3.7.1-20190812.122723-1
Customer Interaction Services	Yes	No	3.10.1.0-1.278.1
Customer Interaction Utilities	No	No	3.8.1.0
Data Store Services	No	No	3.10.0.0
Sharing Services	No	No	3.10.1.0

# What's new in Client SDK

## Release 4.33

The following table lists the new functionality in the 4.33 release. For additional details of the content of the Client SDK Packages see the Avaya Client Offer Definition document.

For further details see the API Reference Specification on the Avaya Client SDK Developer Hub at [http://www.devconnectprogram.com/site/global/products\\_resources/avaya\\_client\\_sdk/overview/index.gsp](http://www.devconnectprogram.com/site/global/products_resources/avaya_client_sdk/overview/index.gsp).

### Communication Services Package – Android, iOS, MacOS and Windows Client SDK

Feature	Description	New / Enhanced / Deprecated
Display Forwarding reason in Missed Calls at forwarding stations. Add support Forwarding reason of Missed Calls.	CM sends this information of forwarding reason for missed calls with certain scenarios to SIP endpoints, need to leverage the information received in DSE Notify.  With this feature, we will enhance Missed Call logs at the Forwarding stations when redirection feature are enabled (MAC, iOS).	New
Support 'Send-NN' feature button (H323->SIP Parity feature)	Traditional H.323 phones support a feature called 'Send-NN' with a Special Application 'SA8967 - Mask CLI and Station Name for QSIG/ISDN Calls'.  When this is configured, endpoints can send a dummy extension when they initiates an outgoing calls.  e.g, Send-NN can configured to send a dummy extension 'xxx'. When Endpoint makes an outgoing call, called user would always see the identify as 'xxx' and not the actual caller's extension.	New
Support TLS 1.3	TLS1.3 is negotiated for HTTPS connections, but not for SIP TLS connections (and not for Websocket connections).  It turned out that Security Framework which is used by CSDK for setting up TLS connections (and also used by SocketRocket library that we use for websockets) does not support TLS version 1.3 and got deprecated starting MacOS 10.15/iOS 13.  Apple suggests to use Network Framework for TLS 1.3 connections support.	New
STIR/SHAKEN	As a way to stop incoming calls from devices that aren't who they say they are, or from networks that aren't who they say they are, there is a new set of requirements where the service provider will attest the call is from a valid source. These requirements are being forced through many countries in 2021 (July in USA, November in Canada).  There will be policies on the edge/pbx to determine if the call shall go through to the user. In the case the call is allowed to the user, some of the attestation details shall be presented to the user.	New
FNU feature invocation signaling alignment	This feature is to align the feature invocation signaling with that of server.  Server expects, avaya-cm-fnu in the To header of feature invocation INVITE, ACK, BYE and CANCEL. ClientSDK had added this support for following features as these were the only features supported by server: - supports this functionality for audio. As a result, there is no longer a need for the workaround of disabling shuffling in CM.	New



Xcode 14 support	This feature is to move to the latest stable version of Xcode i.e. Xcode 14.3.1 released on June 1, 2023.(iOS, MacOS)	New
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## Communication Services Package – JavaScript Client SDK

None.

## Documentation errata

No outstanding documentation issues.

## Compatibility

For the latest and most accurate compatibility information go to – <https://support.avaya.com/CompatibilityMatrix/Index.aspx>.

This lists compatibility information by Avaya Client SDK Package.

## Contacting support

### Contact support checklist

If you are having trouble with Client SDK, you should:

1. Set log level to debug.
2. Retry the action. Carefully follow the instructions in written or online documentation.
3. Check the documentation that came with your hardware for maintenance or hardware-related problems.
4. Note the sequence of events that led to the problem and the exact messages displayed. Have the Avaya documentation available.

If you continue to have a problem, contact Avaya Technical Support:

1. Log in to the Avaya Technical Support Web site <https://support.avaya.com>.
2. Contact Avaya Technical Support at one of the telephone numbers in the Support Directory listings on the Avaya support Web site.

Avaya Global Services Escalation Management provides the means to escalate urgent service issues. For more information, see the Escalation Contacts listings on the Avaya Support site.

### Contact support tasks

You may be asked to email one or more files to Technical Support for analysis of your application and its environment.

## Client SDK 4.33

### Known issues and workarounds for SDK

The following sections are cumulative since the last major or minor release showing the most recent release first and oldest release last.

## Communication Services Package – Android, iOS, MacOS and Windows Client SDK

ID	Minimum conditions	Visible symptoms	Workaround
<b>CLIENTSDK-27457</b>	Drop last participant option is not available in no hold conference.	Drop last participant is greyed out.	None
<b>CLIENTSDK-27100</b>	HTTP_PROXY_CSDK_ENABLED = 1 or 2 in settings file	VPN gateways need to be configured same as zang.io.	None
<b>CLIENTSDK-26661</b>	AAWG uses Best Effort SRTP policy.	One way video after hold and unhold.	To get two way video post hold/unhold, use Equinix Conferencing 9.1.10 (AMS build 8.0.2.102 or later).
<b>CLIENTSDK-25800</b>	IPv6 dual stack configured network	Call drops after hold when user is connected over SM and while on a call moves from dual stack IPv6 network IPV4 only network.	None

## Communication Services Package – JavaScript Client SDK

ID	Minimum conditions	Visible symptoms	Workaround
<b>JSCSDK-6083</b>	Sharing on Spaces and presenter is presenting	Flashing screen is displayed until the user changes the screen	Move content on screen after sharing starts. Issue is tracked by chrome bug: <a href="https://bugs.chromium.org/p/chromium/issues/detail?id=1132570&amp;q=component%3AInternals%3EMedia%3ECapture%20%22blinking%22&amp;can=2">https://bugs.chromium.org/p/chromium/issues/detail?id=1132570&amp;q=component%3AInternals%3EMedia%3ECapture%20%22blinking%22&amp;can=2</a>
<b>JSCSDK-6227</b>	Use Firefox with BigSur as second screen	Part of the screen doesn't get captured when sharing entire screen.	Use the Chrome browser

## Fixes in Avaya Workplace for SDK

The following sections are cumulative since the last major or minor release showing the most recent release first and oldest release last.

## Communication Services Package – Android, iOS, MacOS and Windows Client SDK

ID	Visible symptoms	Release found in
CLIENTSDK-29556	SSA LAB: CONFERENCE: Not able to setup 3 party conference. Intermittant issue	4.33
CLIENTSDK-29590	Crash happens when socket is closed while waiting for authentication data	4.33
CLIENTSDK-29589	Continues incorrect hits from client overloaded the server (customer)	4.33
CLIENTSDK-29586	App crash when user logins with CES is enabled then disable SIP service	4.33
CLIENTSDK-29507	TRAFFIC: COLD-DR: FAILOVER: 30K CC agents & 45K UC stations the site (COLD-DR) failover failed. OpenSIPs stopped responding REGISTER messages.	4.33
CLIENTSDK-29478	Netty Project 4.1.92 Security Vulnerabilities	4.33
CLIENTSDK-29476	c-ares 1.19.0 Security Vulnerabilities	4.33
CLIENTSDK-28971	CRLF keep alive mechanism does not fall back to TCP keep alive	4.33

## Communication Services Package – JavaScript Client SDK

ID	Visible symptoms	Release found in
JSCSDK-8706	CFD: conversation.previewText returns previous message instead of last message	4.10
JSCSDK-8711	Changing input mic changes also the source camera	4.10
JSCSDK-8777	The exception occurred on starting screen share on Japan region	4.10

## Appendix A: Acronyms

Acronym	Definition
<b>3PCC</b>	Third Party Call Control
<b>AAC</b>	Avaya Aura® Conferencing
<b>AADS</b>	Avaya Aura® Device Services
<b>AAWG</b>	Avaya Aura® Web Gateway
<b>AEMO</b>	Avaya Equinox® Meetings Online
<b>AMM</b>	Avaya Multimedia Messaging
<b>APNS</b>	Apple Push Notification Service
<b>ASBCE</b>	Avaya Session Border Controller for Enterprise
<b>BLA</b>	Bridged Line Appearance
<b>CM</b>	Avaya Aura® Communication Manager
<b>EC500</b>	Extension to Cellular
<b>FP</b>	Feature Pack
<b>GA</b>	Generally Available
<b>IdP</b>	Identity Provider
<b>IM</b>	Instant Message
<b>IPv6</b>	Internet Protocol version 6

<b>IX</b>	Intelligent Experience
<b>LDAP</b>	Lightweight Directory Access Protocol
<b>MDA</b>	Multiple Device Access
<b>MSS</b>	Multi-Stream Switching
<b>OAUTH</b>	Open Authorization
<b>OTT</b>	Over The Top
<b>PLC</b>	Packet Loss Concealment
<b>POM</b>	Presentation Only Mode
<b>PS</b>	Avaya Aura® Presence Services
<b>SAML</b>	Security Assertion Mark-up Language
<b>SBC</b>	Session Border Controller
<b>SIP</b>	Session Initiation Protocol
<b>SM</b>	Avaya Aura® Session Manager
<b>SMGR</b>	Avaya Aura® System Manager
<b>SP</b>	Service Pack
<b>SRTP</b>	Secure Real-Time Transport Protocol
<b>SSO</b>	Single Sign-On
<b>TOM</b>	Top of Mind
<b>TLS</b>	Transport Layer Security
<b>UC</b>	Unified Communication
<b>URI</b>	Uniform Resource Identifier
<b>USB</b>	Universal Serial Bus
<b>VDI</b>	Virtual Desktop Infrastructure