



9600 Series H323 Release 6.0 Service Pack 4 Readme

This file is the readme note for the Avaya one-X™ Deskphone H.323 Edition release 6.0 Service Pack 4 for 9608, 9611G, 9621G, and 9641G model IP Deskphones. This file describes the contents of the, June 3rd 2011, Service Pack software distribution package.

To upgrade your Avaya new 9600 series models IP Deskphones:

1. Unzip the zip file in the root directory of your HTTP server.
2. Make any adjustments required by your environment to your 46xxsettings.txt file.

Issues resolved in the 9600 Series H.323 Release 6.0 Service Pack 4

SP4 provides continued improvement and optimization to key audio functions as well as improvements from our continuous quality improvement effort to optimize stability, robustness and reliability. This software release is based on H.323 R6.0 SP3 and includes all improvements from post SP3 interim patches as well as many additional improvements. Improvements in this release include:

- High Availability improvements when in fail-over to ESS mode*
- Guest login state and timer correction during extension take over and power cycle scenarios
- SDES information in RTCP packets may contain some non-printable characters and improved RTCP response during shuffled calls
- Improve robustness during restore operation when encountering corrupted backup/data file
- Provide support for SLS mode in G430 and other gateways
- With multiple feature buttons programmed, the last feature button may be "duplicated"
- Phone may send incorrect query for DNS/FQDN
- Audio cut-through delay may prevent Call Center agents from hearing zip tone
- User may hear "Garbled audio" on calls over time (6 to 7 days after startup)
- Provide support for CM Group Page feature
- Network performance issue with 100Mbps LAN when PC with 1 Gbps port is connected to 9641 phone with all ports set to auto/auto
- DHCP response and DHCP extended lease/rebind state improvements
- Improved processing in "Boss/Secretary" configuration with multiple bridged appearances
- LDAP directory search performance improvement
- While performing transfer/conf call the highlight of 2nd call-appr changes to 1st call-appr during CM audit
- Stutter dial tone when going off hook with receiver or speakerphone
- 9611 with 802.1x authentication enabled does not switch to voice VLAN from data VLAN
- Support for contact centers with Redirect On IP Failure (ROIF) enabled
- Allow > 6 digits to be displayed in call log call history when "AM/PM" and number of missed calls not shown.
- Improvements in ext take-over and guest login scenarios for speedy re-registration and return to service.
- Intermittent occurrences of delayed, "stutter" or very low dial-tone on the speakerphone can be immediately remedied by toggling the speakerphone on-hook button.
- The 'Send All Calls' icon may not appear upon activating the feature.

* ESS failover improvement requires administering the new "FAILOVERSTAT" parameter.

New Parameter

FAILOVERSTAT: this new parameter should be administered in the 46xxsettings file to take advantage of the High Availability improvements to ESS fail-over. The FAILOVERSTAT parameter has a default value of 0, and can also be set to 1. FAILOVERSTAT should be left at 0 when the customer environment uses LSPs, and should be set to 1 when the customer environment uses ESS interchange. The value selected determines how the telephone treats the call server with the special characteristic – as an LSP, or as an ESS. In the rare cases where both LSPs and ESS interchange is used, FAILOVERSTAT should be set to 1 (The implications of this setting is that ESS interchange will work correctly, and fallback from LSPs to Mains will work correctly, but may take up to 75 seconds longer than before).

Known Issues/Limitations of H323 Release 6.0 SP4

- Timing re-sync needed for Headset EHS
- A small amount of packet transmit "jitter" seen, but has no impact to voice quality
- In rare cases, an Intermittent "Continuous Ringing" state may occur on incoming calls. This issue is resolved with a workaround, which is to disable sleep mode by setting the BACKLIGHTOFF parameter to "0" in the 46xxsettings file.
- Changes to audio parameters (AUDIOENV, AUDIOSTHS, AUDIOSTHD) may not take effect and phone will continue to operate with the default values of these parameters.
- Bluetooth will be made available in the 6.1 release load line.
- IPv6 operation is limited to a specific customer set and is not for general use
- Presence status of H.323 users is not shown on SIP user devices.
- If WMLPROXY is specified for SCEP certificate downloads, please make sure that the proxy server allows the requests with ".dll" in the URL. Some of the proxy server has the default configuration of blocking urls containing such extensions, please make sure that the proxy server allows the requests with ".dll" in the URL. Some proxy servers have the default configuration of blocking URL's containing such extensions.

Avaya AURA COMMUNICATION MANAGER (CM) COMPATIBILITY:

❖ Although the new 9600 series models IP phones are supported on Communication Manager 3.1.4 and higher, we recommend using the latest Communication Manager release with new 9600 series models IP Deskphones. See the "Communication Manager Software & Firmware Compatibility Matrix" at support.avaya.com for the supported software/firmware versions of the Media Server, Media Gateway, and circuit packs.

- CM 5.2 is the minimum version required to support the following features:
 - Enhanced support for Station Lock feature to lock local application like Contacts, Call Log or A-Menu
 - Mark calls in missed call log when they are redirected
- CM 5.1 is the minimum version required to support the following features:
 - Log calls as missed on busy phone, if the phone is busy because of DND, LNCC or all
 - incoming call appearances are busy

- Mark calls in missed call log when they are picked up by another user
- CM 4.0 is the minimum version required for native support of the new 9600 series models IP telephones and support of the following features:
 - TTS
 - SRTP
 - Feature buttons on a softkey
- CM 4.0.3 or CM 5.0 Service Pack 4 is required to take full advantage of Team Button feature functionality.
- Interoperability with CM 3.1.x+ releases:
 - CM releases prior to 4.0 do not provide native support for the new 9600 series models IP Deskphones; it is recommended that the 9608 and 9611G IP Deskphones be administered as a 9630 IP Deskphone and that the 9621, 9641 IP Deskphones be administered as a 9650 IP Deskphone. Please refer to administration guide for details on native support.
 - CM release prior to 3.1.4 do not support R6.0 firmware. The phone will not register to those CM loads.
- ❖ For new 9600 series models SRTP operation the CM4.0 must be provisioned with the first SRTP policy listed below :
 - 1-srtp-aescm128-hmac80
 - 2-srtp-aescm128-hmac32
 - 3-srtp-aescm128-hmac80-unauth
 - 4-srtp-aescm128-hmac32-unauth
 - 5-srtp-aescm128-hmac80-unenc
 - 6-srtp-aescm128-hmac32-unenc
 - 7-srtp-aescm128-hmac80-unenc-unauth
 - 8-srtp-aescm128-hmac32-unenc-unauth

For more details refer to the H.323 configuration guide in the CM Administration Guide.

Release 6.0 SP4 H.323 Package Contents for the 9608, 9611G, 9621G and 9641G

The GA SP4 package contains all the files necessary to upgrade Avaya new 9600 series models IP Deskphones to H.323 Release 6.0 SP4. The following files are included in each package:

- ❖ S9621_41HALBR6_0_16S_V452.tar– The new 9600 series models R6.016S H.323 phone application tar file for 9608 and 9611G models
- ❖ S9608_11HALBR6_0_16S_V452.tar– The new 9600 series models R6.016S H.323 phone application tar file for 9621G and 9641G models
- ❖ S96x1_UKR_V7_V7.tar– The new 9600 series models R6.016S H.323 Kernel and root file system tar file
- ❖ **96x1Hupgrade.txt** – This file is downloaded by the Avaya new 9600 series model IP Telephones and instructs the telephones on how to upgrade. DO NOT EDIT this file. You MUST USE the 96x1Hupgrade.txt file included in this package to upgrade to R6.016S H.323 for new 9600 series models phones
- ❖ Sixteen predefined language files for phone display:
 - mlf_S96x1_v68_arabic.txt
 - mlf_S96x1_v68_chinese.txt

- mlf_S96x1_v68_dutch.txt
 - mlf_S96x1_v68_english_large.txt
 - mlf_S96x1_v68_french_can.txt
 - mlf_S96x1_v68_french_paris.txt
 - mlf_S96x1_v68_german.txt
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 - mlf_S96x1_v68_japanese.txt
 - mlf_S96x1_v68_korean.txt
 - mlf_S96x1_v68_portuguese.txt
 - mlf_S96x1_v68_russian.txt
 - mlf_S96x1_v68_spanish.txt
 - mlf_S96x1_v68_spanish_latin.txt
 - mlf_S96x1_v68_template_english.txt
- ❖ av_csca_pem_2032.txt (Avaya Call Server Root Certificate)
 - ❖ av_prca_pem_2033.txt (Avaya Product Root CA certificate)
-
- ❖ release.xml

The signatures in the signatures subdirectory of the .zip distribution packages are only intended to be used by the file server, and the file server that is on the CM6.0 Utility Server is the only file server that currently supports this.

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- ❖ Unzip the zip file in the root directory of your HTTP server.
- ❖ Make any adjustments required by your environment to your 46xxsettings.txt file.

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This library's function is primarily to read and display MNG animations. It is not meant as a full-featured image-editing component! It does however offer creation and editing functionality at the chunk level. (future modifications may include some more support for creation and or editing)

Harfbuzz (delivered with Qt 4.5)

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o freetype-devel@nongnu.org

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Our home page can be found at

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pam 1.0.1-2

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libcap 2.06

Upstream Author: Andrew G. Morgan <morgan@linux.kernel.org>

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zlib 1_2_3

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net-snmp 5.4-13.fc7

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flex 2.5.35-1

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mktemp 1.5_25

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libstdc++ 4.3_2

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bind 9.5.0-29.b2

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SNTP 4.2.4p0-1.fc7

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Http Curl 7.15.1

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racoona2

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Xinetd 2.3.14-3.1

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db4 4.6.21-1

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