Avaya Session Border Controller (ASBC) 10.2.1.2 Release Notes

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Overview

This document provides information about the enhancements, upgrade support, platforms supported, software download information, list of fixed, known issues and workarounds in ASBC Release 10.2.1.2.

Documentation for 10.2.1.0

Title	Support Site Link
Avaya Session Border Controller Overview and Specification	https://support.avaya.com/css/public/documents/101092029
Deploying Avaya Session Border Controller on a Hardware Platform	https://support.avaya.com/css/public/documents/101092031
Deploying Avaya Session Border Controller on a Virtualized Environment Platform	https://support.avaya.com/css/public/documents/101092033
Deploying Avaya Session Border Controller on an Amazon Web Services Platform	https://support.avaya.com/css/public/documents/101092035
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Administering Avaya Session Border Controller	https://support.avaya.com/css/public/documents/101092043
Maintaining and Troubleshooting Avaya Session Border Controller	https://support.avaya.com/css/public/documents/101092045
Working with Avaya Session Border Controller and Microsoft Teams	https://support.avaya.com/css/P8/documents/101088711
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Working with Avaya Session Border Controller Geographic-Redundant Deployments	https://support.avaya.com/css/P8/documents/101088715
Avaya Session Border Controller Release Notes	https://support.avaya.com/css/public/documents/101093769
Avaya Session Border Controller Port Matrix	https://support.avaya.com/css/public/documents/101088607

Software Downloads

IMPORTANT NOTE:

- Starting 10.2.1.1, licensing for Avaya Session Boarder Controller (ASBC) will only work with 10.1.3.1 and higher version of System Manager (SMGR) or Standalone WebLM (WebLM). If upgrading ASBC to 10.2.1.1 or later release, then the required order of upgrade is imperative i.e. SMGR and/or WebLM should be upgraded to 10.1.3.1 and higher first to ensure licensing for ASBC does not stop working.

- License Enforcing feature ensures that the system successfully acquires the required number of licenses before processing any calls. Any failure to obtain the appropriate license count due to connectivity issues or misconfiguration can lead to call failures or other operational disruptions.
- To avoid such issues, it is essential to perform a thorough precheck and assessment, and to follow the upgrade or release support documentation carefully. It's common for both static and dynamic licensing configuration.

Before upgrading ASBCE release to 10.2.1.x ensure the following:

- There are no connectivity issues between ASBC and the License Server.
- License acquisition is successful and without errors.

Failure to meet these prerequisites may result in service interruptions.
Every SBC must have licenses allocated under **Device Management>Devices> Edit device>licensing settings** form.

Software downloads are available at following links:
https://support.avaya.com/downloads/
https://plds.avaya.com

File Name	PLDS ID	MD5SUM	Remarks
sbce-10.2.1.2-105-25570-dafbc415f3ab105a0c11782b49ed0e40.tar.gz	SBCE0000401	dafbc415f3ab105a0c11782b49ed0e40	Upgrade package for upgrade 10.2.1.2 release ***Note:*** 10.2.1.2 release is applicable for non-JITC customers only. JITC customers must not install this software.
sbce-10.2.1.2-105-25570-dafbc415f3ab105a0c11782b49ed0e40.tar.gz.asc	SBCE0000402	67d05f5d5a7469e976542e64fa3ed604	Signature file to be used to upgrade to 10.2.1.2 release
sbce-10.2.1.2-105-25570-signatures.tar.gz	SBCE0000403	729abd4ccf0e87792f8085d7780174d0	Key Bundle to validate RPM signatures
sbce-10.2.1.2-105-25570_uberutility-0b6fa2f53291c06ca460883db34896f6.tar.gz	SBCE0000404	0b6fa2f53291c06ca460883db34896f6	Uberutility tool to clean disk space and work around fixes
sbce-10.2.1.2-105-25570.iso	SBCE0000405	90e49ef77f13bb1b6ea4c662994265e8	ISO image for fresh install on VM and hardware in 10.2.1.2 release

Mandatory Patch Before Upgrading from 10.2.1.0 to 10.2.1.2

GUI based upgrade from SBC 10.2.1.0 to SBC 10.2.1.2 **mandates** installation of Hotfix4 on SBC 10.2.1.0 software (EMS only) before initiating upgrade.

Hotfix4 Details:

- PLDS ID: SBCE0000396
- File Name: asbc_10.2.1.0-Hotfix-004-01.tar

md5sum: 14f28a9a4d3d796d5cd53a9b49c00d2c

Procedure to install hotfix

Download Package name: asbc_10.2.1.0-Hotfix-004-01.tar
from PLDS and extract the files on your local system:
When extracted, the following files:
Hotfix compressed package file: asbc_10.2.1.0-Hotfix-004-01.tgz
Hotfix md5sum file: asbc_10.2.1.0-Hotfix-004-01.tgz.md5
Install Script: patchSBC
should show in a directory "asbc_10.2.1.0-Hotfix-004-01".

Hotfix Installation:
Hotfix installation is supported through Command line (CLI) only.
Use a secure copy utility (e.g., WinSCP) to upload the extracted files to the /home/ipcs/ directory of the EMS.

Note: Install script (patchSBC) will validate the checksum using the Hotfix md5sum file. Ensure the md5sum file is in the same directory as the Hotfix compressed package file.

Installation Procedure for EMS

STEP1: Login over SSH and gain root access.
STEP2: Run below commands to Install the Hotfix using the Install Script (patchSBC)
> /usr/local/ipcs/peon/venv/bin/python patchSBC -i /home/ipcs/asbc_10.2.1.0-Hotfix-004-01.tgz

STEP3: After the Hotfix installation has completed, you will be prompted with options to:
Do you want to clean up temporary files? (yes/no):
If you provide yes. The files will be cleaned. This is a recommended option. Please use “no” incase if you see any errors on screen or to debug any issue observed. If option “no” is chosen, then it must be the user's responsibility to clean up installer files that are in “/usr/local/ipcs/temp” diretcory.
Do you want to reboot the system now? (yes/no):
Press “no” to debug installation errors.
If the session timeout is reached before the installer can answer the prompts, just login again as the root user and issue “reboot” from the command line to finish the Hotfix installation process.
Important Notes:
It is required to reboot the device after Hotfix installation. So, please make sure that you reboot the device.

Imp Note:
In case of disk space issues run “partitionmanager.py” and “sbc-diskspace-cleanup.py” scripts before initiating upgrade. For detailed procedure, follow Maintaining and Troubleshooting Avaya Session Border Controller guide.

Supported Upgrade Path

- 10.2.1.0 GA -> 10.2.1.2
- 10.2.1.1 GA -> 10.2.1.2

Notes:
1. ASBC 10.2.1.0(UEFI) allows direct upgrade to 10.2.1.2. All other SBC version/releases should be upgraded or migrated as appropriate to 10.2.1.0(UEFI) and then upgrade to 10.2.1.2.
2. Whenever upgrading or migrating from lower release, bring EMS and SBCs to same version and then upgrade/migrate to higher version. For example, if you are planning to upgrade your SBC from 10.2.1.0(UEFI) to 10.2.1.2, then first bring your EMS and SBCs to 10.2.1.0 GA build (as per the documented procedure), then upgrade to 10.2.1.2

Supported Platforms for Upgrade
The following platforms are supported for upgrading from releases listed in “Supported Upgrade Path”:
1. Dell 3240
2. Dell R340

3. VMWARE ESXI Version 7.x/8.x
4. Dell R640 (ASP110 P3 and ASP110 P5)
5. Dell 660(A2 and A3)
6. Dell 360
7. VEP1425N
8. Azure, AWS, Nutanix, GCP

Note: VMware/ESXI version older than 7.0 is not supported.

List of Known Issues with Workarounds

Issue Summary	Workaround
Invalid/out of sync credentials error message after swap SBC	1. Run the command: "sbceconfigurator.py generate-rest-credentials" for SBC and EMS 2. Re-install key certificate
SNMP communication error in Statistics Viewer page after Swap EMS	we need to run below command on SBC's Run the command: " iptables -A MGMTPROTECT -p udp -m udp --source $EmsAddress --dport 161 -j SNMPBRUTE "

List of fixed issues

Key	Summary
AURORA-36089	auth.log and message log rotate failure intermittently and the log still wrote to auth.log.1 with old FD
AURORA-36081	Moving/Migrate EMS+SBCE to another EMS failed
AURORA-36052	Call Reconstruction for CS trunk in NG911 environment fail for certain SP, because that SP cannot handle reINVITE with Replaces
AURORA-36100	call drop in 15 sec in transcoding call, reboot/restart restore the service
AURORA-35019	SBC is only sending Agent side voice to the Recording Server In CBA (Call-back Assistance) scenario
AURORA-36063	SBC Failover with transcoding call in NG911 environment result in no audio
AURORA-36138	After handling reINVITE (with replaces header for call reconstruction) in NG911environment, SP/NGCS still reject the call as it has lower CSeq than the previous SUBSCRIBE msg in this dialog.
AURORA-36123	Hold/Unhold fails in Workplace when upgrade SBC/Aura to 10.x, due to user configured uppercase domain name in RW, causing SBC fail to add subid_ipcs
AURORA-35229	oampserver, turncontroller, logserver service keep on crashing and filled logs very quickly results outage with high CPU usage
AURORA-36051	SBC crash due to 200OK, in a shared control case with AAFD, when desk phone de-register and another client app is slow to respond.
AURORA-36117	ASBCE is not sending UUI (user-to-user) while generating invite after 2nd refer message
AURORA-35806	SBC remove SDP in a retransmitted 200OK after some shuffling, causing call to drop.
AURORA-36142	Disk partition is not correct in some setups
AURORA-36137	License compliance page is not working on 10.2.1.0 (Fresh install).
AURORA-35843	MS Dashboard misreports inbound vs outbound calls stats due to Contact header from Avaya
AURORA-36139	Call transfer (with refer handling enabled) call drop in 14s because SBC send a ACK to SP with corrupted From header