# Avaya Aura® Release Notes

Release 10.2.x.x
Issue 16
April 2026

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### Security Vulnerabilities

Information about Avaya’s security support policies can be found in the Security Policies and Support section of 15https://support.avaya.com/security

Suspected Avaya product security vulnerabilities are handled per the Avaya Product Security Support Flow (https://support.avaya.com/css/P8/documents/100161515).

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# Contents

## Change history

| Issue | Date | Description |
|---|---|---|
| 1 | 18-Dec-2023 | GA Release of Avaya Aura® Release 10.2 |
| 2 | 15-Apr-2024 | GA Release of Avaya Aura® Release 10.2.0.1 |
| 3 | 24-Apr-2024 | Updates to availability of Software-only deployment based on Avaya Aura® BU approval |
| 4 | 7-May-2024 | Updates to required artifacts for AES 10.2.0.1 service pack installer |
| 5 | 23-May-2024 | Updates to Presence Services Release 10.1.0.1 |
| 6 | 4-Jul-2024 | Updates to required artifacts for Communication Manager Release 10.2.0.1 |
| 7 | 28-Oct-2024 | Update to support ASP R6.0 |
| 8 | 9- Dec-2024 | GA Release of Avaya Aura® Release 10.2.1 |
| 9 | 14-Apr-2025 | GA Release of Avaya Aura® Release 10.2.1.1 |
| 10 | 28-May-2025 | Added note in CM what's new section and required artifacts section, Updated required artifacts with new CM build details and updated SM 10.2.1.1 known issues list. |
| 11 | 11-Aug-2025 | GA Release of Avaya Aura® Release 10.2.1.2 |
| 12 | 13-Aug-2025 | Updates to System Manager, Session Manager 10.2.1.2, Presence Services Release 10.1.0.1 and Product Release Matrix to include WebLM Release. |
| 13 | 31-Oct-2025 | Updates to Presence Services Release 10.1.0.2 and Product Release Matrix |
| 14 | 22-Dec-2025 | • GA Release of Avaya Aura® Release 10.2.1.3<br>• Updated required artifacts and support for Avaya Solution Platform 130 R660 (KVM on RHEL 8.10) to Avaya Aura® Presence Services 10.1.0.2 |
| 15 | 06-Jan-2026 | Updated required artifacts and support for Avaya Solution Platform 130 R640 (KVM on RHEL 8.10) to Avaya Aura® Presence Services 10.1.0.2 |
| 16 | 23-Apr-2026 | Updated the Product Release Matrix |

# Introduction

This document provides late-breaking information to supplement Avaya Aura® 10.2.x release software and documentation. For updated documentation, product support notices, and service pack information, go to the Avaya Support site at https://support.avaya.com.

**IMPORTANT**

**Communication Manager (CM) Licensing Change**

**Communication Manager (CM) 10.2.1.1** is changing its licensing behavior to keep customers informed about license expiration dates so they can renew licenses on time and avoid service disruption. CM is introducing two new alarms that warns customers about license expiration date and its impact:

1. LIC-EXP90: This alarm is raised 90 days before the expiration of CM license
2. LIC-EXP60: This alarm is raised 60 days before the expiration of CM License

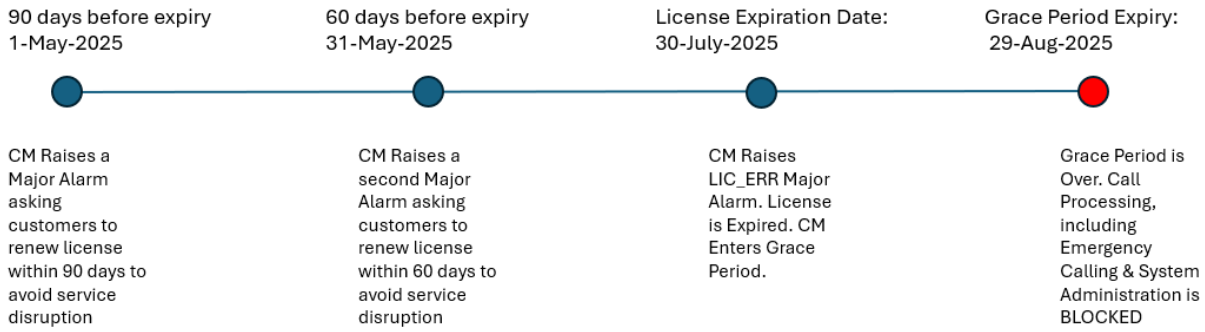
CM enters into a 30-day Grace Period on expiration of License. After 30-day grace period expiry, if license is not renewed:

- **Call Processing, including Emergency calling, will be BLOCKED**. That is, CM will NOT process any type of calls.
- System Administration will be BLOCKED.

Customers must renew their licenses on time to avoid this disruption.

**Example:**

**Notes:**




1. CM will check the Expiration Date for all the features in the License file and use the earliest date as expiration date. For example: If Elite License is expiring on 30-July while CM license is expiring on 30-August, CM will consider 30-July as License Expiration Date
2. This Licensing change behavior is only applicable for CM Main Server. This does not apply to Survivable Remote (LSP) or Survivable Core (ESS) Servers.
3. This Licensing Change is only applicable for Communication Manager and not for any other Aura Product

**Note:**

- The Avaya Solutions Platform R6.0.x will be supporting KVM on RHEL 8.10 as a Hypervisor and all Avaya Aura components released new KVM OVA to support ASP R6.0.x. All patches of R10.2 such as Service Pack, Feature Pack, Hot Fix, and Security Service Pack are applicable to VMs on ASP R6.0.x KVM hosts.
- The December 23 updated Aura 10.2 KVM OVAs now support the following:
  - The KVM OVAs include an *install_vm.py* script to simplify deployment of the KVM OVA
  - The *install_vm.py* script now supports the creation of a root login/password
  - The CM and AES updated 10.2 KVM OVAs also include support for disk encryption.

- For information about Avaya Solutions Platform S8300, see ASP S8300 (PCN2174S) and ASP 130 6.0.x (PCN2173S)

  ~~**Root Password:** Deploying applications on ASP R6.0.x KVM hypervisor using script, it is possible to set the root password. Which was in the SDM capability brought to ASP R6.0.x users if they deploy using the script documented on each deployment guide.~~

- The Avaya Aura® System Manager release/version must always be greater than or equal to the release/version of the components of the solution (Session Manager, Communication Manager, Application Enablement Services).
- The Avaya Solutions Platform S8300 (ASP S8300) Release 5.1 is available for the Avaya Aura® 10.2 Communication Manager solutions that include LSPs/Survivable Remote Servers/BSM's that run on S8300Es and also for the Communication Manager solutions with embedded main profiles on S8300E's.

  Solutions with an existing S8300E or new deployments that require ASP S8300 Release 5.1 can begin their upgrade or new deployments by following the required order of upgrade.

  For information about deploying or upgrading Communication Manager 10.2.x and BSM 10.2.x upgrade/deployment steps on the ASP S8300 Release 5.1, see the product documentation.

  There is compatibility between Aura 10.2 and 8.1.x components as long as the required order of upgrade is followed. Reference the Upgrading Avaya Aura® Communication Manager Release 10.2, Chapter 3: Planning, Section: Upgrade sequence for Avaya components.

  For information about Avaya Solutions Platform S8300, see ASP S8300 (PCN2145SU) and ASP 130 5.1.x (PCN2146SU)

- Avaya Aura® Release 10.2 is supported on Avaya Solutions Platform (ASP) S8300 Release 5.1 and ASP 130 Release 5.1.

  Avaya Aura® Release 8.1.3.x is supported on ASP 130 Release 5.0 and Release 5.1.

  However, after migrating from Avaya Aura® Appliance Virtualization Platform (AVP) Release 8.1.x on an S8300E to ASP S8300 Release 5.1, Avaya Aura® Release 8.1.x applications are still running on ASP S8300 Release 5.1.

  Prolonged running in this type of mixed configuration is not supported. Avaya recommends running in a mixed configuration only as long as necessary to support application upgrades. If an issue is identified on an Avaya Aura® 8.1.x application running on ASP S8300 Release 5.1, Avaya will require an upgrade of the Avaya Aura® solution to Release 10.2.

  All future ASP 5.x security updates will only be provided on the latest ASP 5.x release currently available. For example, if ASP Release 5.1 is the most recent available release, security updates will only be provided on Release 5.1. They will not be provided on Release 5.0.

## Documentation Catalog

The Documentation Catalog document lists down the various guides that are available for the Avaya Aura® solution. For details see: https://download.avaya.com/css/public/documents/101087511

## Product Release Matrix

The following table lists the chronological release numbers of Avaya Aura® applications by product.

**Legend:** NA denotes that no version was released for that cycle, and the last released version is compatible with all Avaya Aura® versions.

| Product Name | 10.2.1.3 | 10.2.1.2 | 10.2.1.1 | 10.2.1 | 10.2.0.1 | 10.2 |
|---|---|---|---|---|---|---|
| Avaya Aura® Communication Manager | X | X | X | X | X | X |
| Avaya Aura® Session Manager | X | X | X | X | X | X |
| Avaya Aura® System Manager | X | X | X | X | X | X |
| Avaya Aura® Presence Services | 10.1.0.1.40<br>10.1.0.2 | 10.1.0.1.40<br>10.1.0.2 | 10.1.0.1.30<br>10.1.0.2 | 10.1.0.1.30<br>10.1.0.2 | 10.1.0.1.30<br>10.1.0.2 | 10.1.0.1.30<br>10.1.0.2 |
| Avaya Aura® Application Enablement Services | X | X | X | X | X | X |
| Avaya Aura® G430 and G450 Media Gateways | X | X | X | X | X | X |
| Avaya WebLM Release | 10.1.3.7 | 10.1.3.6 | 10.1.3.5 | 10.1.3.4 | 10.1.3.2 | 10.1.3.1 |
| Avaya Aura® Media Server Release | 10.2 | 10.2 | 10.2 | 10.2 | 10.1 SP6 | 10.1 SP5 |
| Avaya Aura® Device Services | X | X | X | X | X | X |

**Note:**

- Security Service Packs (SSPs) will be released at or around the same time as the Feature Pack and / or Service Pack and sometimes on a more frequent cadence.
    - SSP required artifacts are tracked in the application specific Security Service Pack PCN. Please read the PCN for the appropriate SSP. The files integrate and are installed uniquely per application.
    - Please note that 10.1 SSPs won't work on Release 10.2 and there will be different SSPs for both 10.1 and 10.2.
- Customers may use AADS 10.2.x with the Avaya Aura® 10.2.x release line up.
- Avaya Aura® Media Server Release 10.1.x.x is compatible with Avaya Aura® Release 10.2.x. Media Server Releases have a different release version and schedule. For more information, see Avaya Aura® Media Server Release Note 10.1.x.x at the Avaya Support website.
- Avaya Aura® Presence Services 10.1.0.1.x with Avaya Breeze ® platform 3.9.0.0 is compatible with Avaya Aura® Release 10.2.x. Avaya Aura Presence Services Releases have a different release version and schedule.
- Avaya Aura® Presence Services 10.1.0.2.x with Avaya Breeze ® platform 3.9.0.3 is compatible with Avaya Aura® Release 10.2.x. Avaya Aura Presence Services Releases have a different release version and schedule.
- Avaya WebLM 10.1.3.1 and higher release are compatible with Avaya Aura® Release 10.2.x. Avaya WebLM Releases have a different release version and schedule. For more information, see the Avaya WebLM documentation for Release 10.1.x at the Avaya Support website.
- The Avaya Aura® System Manager release/version must always be greater than or equal to the release/version of the components of the solution (Session Manager, Communication Manager, Application Enablement Services).
- The deployment of Avaya Aura® applications as Software-only is available but a restricted offer for net new deployments and requires Avaya Aura® BU approval before proceeding. If you have a business requirement to deploy Avaya Aura® as Software-only, please get in touch with your Avaya Sales team. Existing customers using software only deployments continue to be supported.

  **Note**: As of January 1, 2026, Avaya has refined its infrastructure support strategy for Avaya Aura and Surround Applications. This update specifically impacts "Software Only" and Infrastructure as a Service (IaaS) deployment models. To ensure your environment remains compliant and supported, please review the following changes to supported platforms:
  **Discontinued Platforms**

- Hypervisors: Microsoft Hyper-V
- Cloud Platforms: Microsoft Azure, Google Cloud Platform (GCP), IBM Cloud

**Supported platforms for Software Only and Infrastructure as a Service (IaaS) deployment models**

- Cloud Platforms: AWS
- On-premises platforms: KVM, Nutanix, VMware.

- In Release 10.2, Communication Manager, System Manager, Session Manager, Application Enablement Services and G4xx are JITC compliant and currently certified solution on the DoDIN APL.
- In Release 10.1.0.2, Communication Manager, System Manager, Session Manager, G430 and G450 are JITC compliant and are the currently certified solution on the DoDIN APL

  As per the latest DISA STIG requirements, RHEL version 8.4 is also tested for JITC certification.

## What's new in Avaya Aura®

For more information, see ***What's New in Avaya Aura® Release 10.2.1*** document on the Avaya Support site. https://download.avaya.com/css/public/documents/101087359

## Discontinued support for IP Server Interface (TN2312, commonly known as "IPSI")

With Release 10.2, Communication Manager does not support the IP Server Interface (IPSI). As a result, access and functionality are removed. This means, the IPSI connected cabinets and gateways do not work with Communication Manager Release 10.2. Examples of IPSI connected cabinets and systems include G3cfs, G3csi, G3i, G3r, G3s, G3si, G3vs, G3x, G600, G650, MCC, SCC, CMC, IPSI, IP Server Interface, and IP port network.

Discontinued support also includes the TN8412, which previously paired with the TN8400 blade server. TN8412 was last supported with Communication Manager Release 5.x.

For more information, see the End of sale G650 document published on the Avaya Support website.

## Future use fields visible in Avaya Aura® Release 10.2

The underlying framework for an upcoming new Avaya Aura® Platform enhancement "Avaya Aura Distributed Architecture" will be seen in some Release 10.2 administration screens and deployment options. This applies to Communication Manager, System Manager, and Session Manager. These fields are for future use only. Reference the Communication Manager, System Manager, and Session Manager "What's New" sections in this document for details on the new fields and deployment options that will be visible in 10.2, but not currently recommended for use.

## Security Service Packs

Several of the Avaya Aura® applications are now publishing Security Service Packs (SSP) aligned with their application release cycle. This SSP will include all available, and applicable, updates for Red Hat Security Advisories (RHSA) published prior to the time of the building of the related software release. This SSP will be available for download via PLDS per normal procedures. The details of the SSP are published in a PCN specific to each product. Please refer to the product specific installation sections of this document for further details regarding SSPs being published for 10.2.x.

Beginning with the December 10.2 SSPs, the SSPs will be applicable for both RHEL 8.4 and RHEL 8.10. The common Security Service Pack will be introduced to support both RHEL 8.4 and RHEL 8.10.

## Compatibility

For the latest and most accurate compatibility information, go to the **TOOLS** > **Product Compatibility Matrix** on the Avaya Support website.

Contacting support

### Contact support checklist

If you are having trouble with an Avaya product, you should:

1. Retry the action. Carefully follow the instructions in written or online documentation.
2. Check the documentation that came with your hardware for maintenance or hardware-related problems.
3. 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:
4. Log in to the Avaya Technical Support website https://support.avaya.com.

5. Contact Avaya Technical Support for your Country/Region at one of the telephone numbers on the **Help** > **Contact Avaya Support** at the Avaya Support website.

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 website.

### Contact support tasks

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

# Avaya Aura® Communication Manager

## What's new in Communication Manager Release 10.2.x.x

Note: Updated Communication Manager 10.2.x Feature Pack and Services packs to address an issue where certain security vendors are flagging the download of these artifacts. These scanners are reporting a FALSE positive yet can result in download of the artifacts failing or being blocked from use once downloaded.

Avaya has rebuilt the impacted artifacts to eliminate this issue. Please reference *PSN020650u - Avaya Aura® Communication Manager 10.2.x -Temporary removal of software* for additional details.

### What's new in Communication Manager Release 10.2.1.1.0

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

- Administrable grace period for Enterprise Survival Server (ESS)
  A new field "***Survivable License Grace Period (in days)***" in survivable-processor form. Which will be used when the ESS becomes active.
- Licensing Changes
  Introduction of 90-day (about 3 months) and 60-day (about 2 months) validation License alarms and once the grace period is over the call processing and admin will be blocked.
- VMware ESXi 8.0.3 U3 platform support.

### What's new in Communication Manager Release 10.2.1.0.0

The December 23 updated Aura 10.2 KVM OVAs now support the following:

- The KVM OVAs include an *install_vm.py* script to simplify deployment of the KVM OVA
- The *install_vm.py* script now supports the creation of a root login/password
- The CM and AES updated 10.2 KVM OVAs also include support for disk encryption using the script deployment.

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

### What's new in Communication Manager Release 10.2.0.1.0

### What's new in Communication Manager Release 10.2

| Enhancement | Description |
|---|---|
| CM-53558 | Communication Manager 10.1.3.1.0 and later supports active enhanced call pickup notification when IOS workplace client registers. |

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Future use fields visible in Avaya Aura® Communication Manager Release 10.2.x.x

### Future use fields visible in Avaya Aura® Communication Manager Release 10.2

The underlying framework for an upcoming Avaya Aura® Platform enhancement “Avaya Aura Distributed Architecture” will be seen in some Release 10.2.x and later administration screens and deployment options. This is applicable to Communication Manager, System Manager, and Session Manager. These fields are for future use only. Reference the Communication Manager, System Manager and Session Manager “What’s New” sections in this document for details on the new fields and deployment options that will be visible in 10.2, but not active/usable.

1. Avaya Aura® Communication Manager Release 10.2.x and later OVA will have the following deployment options visible but are for future use.
Caution: Selection of any of these options during deployment will result in a warning stating that moving forward will result in an unsupported configuration and require a reinstall with a supported profile.

1. CM Standard Duplex Array Max Users 300000
2. CM High Duplex Array Max Users 300000
3. CM Array Max users 300000

Avaya Aura® Communication Manager Release 10.2.x and later SMI page will have the following options but are for future use:

1. Administration -> Licensing -> Feature Administration -> Current Settings -> Display -> Optional Features -> Clustering
2. Administration -> Server Administration -> Server Role -> Configure Memory (for LSP) -> This Server’s Memory Setting -> X-Large/Cluster

## Security Service Pack

### Security Service Pack

For further information on SSP contents and installation procedures for CM 10.2.x, please see **PCN2159S**.

CM 10.2.x will have RedHat Enterprise Linux (RHEL 8.4) to its Avaya Aura platform. Common versions of RPMs are supported and consumed by the components. This results in a change to how security updates are provided for Communication Manager and Application Enablement Services.

Beginning with the December 2024 10.2.x SSPs, the SSPs will be applicable for both RHEL 8.4 and RHEL 8.10. The common Security Service Pack will be introduced to support both RHEL 8.4 and RHEL 8.10.

**SSPs cannot be installed on “software-only” deployments.**

## Required artifacts for Avaya Aura® Communication Manager 10.2.x.x

Note: Updated Communication Manager 10.2.x Feature Pack and Services packs to address an issue where certain security vendors are flagging the download of these artifacts. These scanners are reporting a FALSE positive yet can result in download of the artifacts failing or being blocked from use once downloaded.

Avaya has rebuilt the impacted artifacts to eliminate this issue. Please reference *PSN020650u - Avaya Aura® Communication Manager 10.2.x -Temporary removal of software* for additional details.

### Required artifacts for Communication Manager Release 10.2.1.3.0

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| 02.0.229.0-28425.tar | CM000002235 | 154MB | 10.2.1.3.0 | 10.2.1 Service Pack #03, |

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| | | | | released on 22nd Dec 2025 |

### Required artifacts for Communication Manager Release 10.2.1.2.0

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| 02.0.229.0-28367.tar | CM000002231 | 150MB | 10.2.1.2.0 | 10.2.1 Service Pack #02, released on 11th Aug 2025 |

### Required artifacts for Communication Manager Release 10.2.1.1.0

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| 02.0.229.0-28339.tar | CM000002226 | 150MB | 10.2.1.1.2 | 10.2.1 Service Pack #01, released on 27th May 2025 |
| ~~02.0.229.0-28314.tar~~ | ~~CM000002221~~ | ~~153MB~~ | ~~10.2.1.1.0~~ | ~~10.2.1 Service pack #01 release on 14th April 2025.~~ |

### Required artifacts for Communication Manager Release 10.2.1.0.0

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| 02.0.229.0-28335.tar | CM000002225 | 150MB | 10.2.1.0.1 | 10.2.1 Feature Pack, released on 27th May 2025 |
| ~~02.0.229.0-28240.tar~~ | ~~CM000002213~~ | ~~153MB~~ | ~~10.2.1.0.0~~ | ~~10.2.1 Feature Pack~~ |
| AV-CM10.2-RHEL8.10-OSUpdate-003.tar.bz2 | CM000002214 | 830MB | RHEL 8.10 | RHEL 8.10 OS Bundle for |
| ~~CMKVM-Simplex-010.2.0.0.229-e70-0.ova~~ | ~~CM000002211~~ | ~~4631MB~~ | ~~10.2.0.0.229~~ | ~~CM Simplex KVM OVA~~ |

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| ~~CMKVM-Duplex-010.2.0.0.229-e70-0.ova~~ | ~~CM000002212~~ | ~~4631MB~~ | ~~10.2.0.0.229~~ | ~~CM Duplex KVM OVA~~ |
| CM-Simplex-010.2.0.0.229-KVM-1.ova | CM000002217 | 4631MB | 10.2.0.0.229 | CM Simplex KVM OVA |
| CM-Duplex-010.2.0.0.229-KVM-1.ova | CM000002216 | 4631MB | 10.2.0.0.229 | CM Duplex KVM OVA |

**Note:** New KVM OVAs has the capability of CM disk encryption using the script, the procedure is documented in the deployment guide.

### Required artifacts for Communication Manager Release 10.2.0.1.0

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| 02.0.229.0-28333.tar | CM000002224 | 124MB | 10.2.0.1.2 | 10.2 Service pack #01 released on 27th May 2025. |
| ~~02.0.229.0-28070.tar~~ | ~~CM000002205~~ | ~~125MB~~ | ~~10.2.0.1.0~~ | ~~10.2 Service pack #01~~ |
| ~~02.0.229.0-28126.tar~~ | ~~CM000002207~~ | ~~126MB~~ | ~~10.2.0.1.1~~ | ~~10.2 Service pack #01 released on 21st June 2024.~~ |

**Note:** Replacing 10.2.0.1.0 with 10.2.0.1.1 to address an issue where infinite re-invites are seen on SIP Trunk calls. Depending on the specific customer configuration, these infinite re-invites can result in audio issues, including one-way audio. PLDS ID CM000002205 will be obsolete. The new 10.2.0.1.1 is updated to support, for more information, see PCN2158S and PSN020637u.

### Required artifacts for Communication Manager Release 10.2

The following section provides Communication Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| CM-Simplex-010.2.0.0.229-e70-0.ova | CM000002200 | 2.39G | 10.2.0.0.229 | CM Simplex OVA |
| CM-Duplex-010.2.0.0.229-e70-0.ova | CM000002201 | 2.39G | 10.2.0.0.229 | CM Duplex OVA |
| CM-010.2.0.0.229-e70-0.iso | CM000002202 | 138M | 10.2.0.0.229 | CM SW Only ISO |

**Note:** The deployment of Avaya Aura® applications as Software-only is available but a restricted offer for net new deployments and requires Avaya Aura® BU approval before proceeding. If you have a business

requirement to deploy Avaya Aura® as Software-only, please get in touch with your Avaya Sales team. Existing customers using software only deployments continue to be supported.

### Software information

| Software | Version | Note |
|---|---|---|
| OS | Red Hat Linux Release 8.4 (Ootpa)<br>Red Hat Linux Release 8.10 | RHEL8.10 separate Bundle provided to upgrade the OS |
| Apache | 2.4.37 | |
| SSH | OpenSSH_8.0p1 | |
| Supported Browsers | Chrome (minimum version 91.0)<br>Edge (minimum version 93.0)<br>Firefox (minimum version 93.0) | |
| VMware vCenter Server, ESXi Host | 7.0.X, 8.0, 8.0 Update 2. | Avaya Aura® Release 10.2.x supports VMware 8.0 and VMware 8.0 Update 2.<br>Avaya Aura® Release 10.2.x does not support VMware 8.0 Update 1. For information about known issues, see VMware 8.0 Update 1 Release Notes on the VMware website at https://docs.vmware.com/en/VMware-vSphere/index.htmlhttps://docs.vmware.com/en/VMware-vSphere/8.0/rn/vsphere-6vcenter-server-801-release-notes/index.html. |
| ASP R6.0<br>ASP R5.1 | RHEL8.10 | Avaya Aura Release 10.2.x supports ASP R6.0 KVM on RHEL8.10 and ASP R5.1x VMware ESxi. |

## Installation for Avaya Aura® Communication Manager 10.2.x.x

### Installation for Avaya Aura® Communication Manager Release 10.2.1.3.0

### Installation for Avaya Aura® Communication Manager Release 10.2.1.2.0

### Installation for Avaya Aura® Communication Manager Release 10.2.1.1.0

### Installation for Avaya Aura® Communication Manager Release 10.2.1.0.0

RHEL 8.10 Upgrade using the command av-upgrade-os command available after the 10.2.1 Feature Pack deployment. Need to make sure that before upgrading RHEL8.10 on OVA based CM VMs should be on 10.2.1 Feature Pack.

### Installation for Avaya Aura® Communication Manager Release 10.2.0.1.0

### Installation for Avaya Aura® Communication Manager Release 10.2

For information on the installation of Release 10.2, see **Deploying Avaya Aura® Communication Manager in Virtualized Environment**.

For information on upgrading to Release 10.2, see **Upgrading Avaya Aura® Communication Manager**.

Communication Manager 10.2 software includes certain third-party components, including Open-Source Software. Open-Source Software licenses are included in the Avaya Aura® 10.2.

**Communication Manager Solution Templates DVD. To view the licenses**:

1. Insert the Avaya Aura® 10.2 Communication Manager Solution Templates DVD into the CD/DVD drive of a personal computer.
2. Browse the DVD content to find and open the folder D:\Licenses.
3. Within this folder are subfolders for Branch Gateway, Communication Manager, Installation Wizard, Session Manager, and Utility Services that contain the license text files for each application.
4. Right-click the license text file of interest and select Open With -> WordPad. This information is only accessible on the Communication Manager software DVD and is not installed or viewable on the Communication Manager Server.

**Note:**

A Manual upgrade is a full backup and restore using the SMI pages. This process is supported on all deployment options. Best Practice prior to an upgrade is to copy the IP address and Naming information, your certificates, your logins, scheduled backup, syslog settings and SNMP configuration. You need to be prepared to install these manually after the restore.

The full automated upgrade using SDM can be used when migrating from a CM 8.1.3.8.0/10.1.3.x to 10.2 in a customer provided VMware environment.

### Troubleshooting the installation

Support for Communication Manager is available through Avaya Technical Support.

If you encounter trouble with Communication Manager:

1. Retry the action. Follow the instructions in written or online documentation carefully.
2. Check the documentation that came with your hardware for maintenance or hardware-related problems.
3. Note the sequence of events that led to the problem and the exact messages displayed. Have the Avaya documentation available.
4. If you continue to have a problem, contact Avaya Technical Support by:
   a. Logging on to the Avaya Technical Support Web site http://www.avaya.com/support
   b. Calling or faxing Avaya Technical Support at one of the telephone numbers in the Support Directory listings on the Avaya support website.

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

**Note:** If you have difficulty reaching Avaya Technical Support through the above URL or email address, go to http://www.avaya.com for further information.

When you request technical support, provide the following information:

- Configuration settings, including Communication Manager configuration and browser settings.

- Usage scenario, including all steps required to reproduce the issue.

- Screenshots, if the issue occurs in the Administration Application, one-X Portal, or one-X Portal Extensions.

- Copies of all logs related to the issue.

- All other information that you gathered when you attempted to resolve the issue.

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

For information about patches and product updates, see the Avaya Technical Support website https://support.avaya.com.

### Enhanced Access Security Gateway (EASG)

EASG provides a secure method for Avaya services personnel to access the Avaya Aura® applications remotely and onsite. Access is under the control of the customer and can be enabled or disabled at any time. EASG must be enabled for Avaya Services to perform tasks necessary for the ongoing support, management and optimization of the solution. EASG is also required to enable remote proactive support tools such as Avaya Expert Systems® and Avaya Healthcheck.

## Fixes in Communication Manager Release 10.2.x.x

### Fixes in Communication Manager Release 10.2.1.3.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-59344 | Agent makes outbound call while in AUX mode | Wrong AUX reason code sent to CMS | 10.1.3.6.0 |
| CM-59339 | CM Installed | Addition of debugs for service hours issue | 10.2.0.0.0 |
| CM-59331 | Network disruption on ASAI monitored station call while on hold and | When phone reconnects after network reconnection, call recording does not resume after call is un-held | 10.2.0.1.1 |
| CM-59329 | External Pairing is enabled | CM may send spurious agent status updates via CTI links for monitored stations | 10.2.1.2.0 |
| CM-59311 | EAD-LOA skill with more than 1500 agents | Agent login fails to EAD-LOA skill after 1500 logged-in agents is reached | 10.2.1.2.0 |
| CM-59306 | ISDN trunk incoming call to agent and Service Observer with Listen-Only mode | Service Observer can hear and speak with both caller and callee | 10.1.3.6.0 |
| CM-59300 | Station-1 and Station-2 are externally measured. Station-1 is busy on call and Station-2 calls Station-1 | For the failed call, CMS SPI showed wrong ITN for “FDISC24” SPI message. | 10.2.1.2.1 |
| CM-59252 | External Pairing is enabled and caller disconnects the call while waiting in queue | call is not de-queued and still shows in queue | 10.2.1.2.1 |
| CM-59251 | admin operations (starfish bulk operations) | Occasionally, SAT may terminate abruptly | 10.2.1.0.0 |
| CM-59248 | CM, SIP station/H323 station/X-ported station | Bridge-appr originated calls may fail | 10.2.1.2.1 |
| CM-59244 | SIP station with off-pbx-station mapping application type should be ops | Application type may not be correct and record corruption | 10.2.1.0.0 |
| CM-59243 | SIP stations with team button for analog station | Team button pickup fails on SIP stations if call is placed to analog stations | 10.2.1.2.0 |
| CM-59223 | Browse fileserv_* log files | fileserv_* log files cannot be seen | 10.2.1.0.0 |
| CM-59192 | Agent data structure changes while the agents are logged-in and execute save trans | Agent data structure translation corruption | 10.2.1.2.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-59143 | SIP Invite with **SDP media line m=text** | Call failure | 10.2.0.1.1 |
| CM-59108 | Make a private call using auth code call from a SIP station A to B. (AAR/ARS access code + auth code + called party extension | Pin check condition code “P” is not visible in the CDR records. | 10.2.1.0.0 |
| CM-58740 | External number calling CM extension and another extension picking up the call pressing team button. | Workplace shows wrong display at the user picking up the call via team button press. | 10.1.3.7.0 |
| CM-58559 | SIP station with Language German installed.<br>xmobile station on CM which has bridge appr for called station and mapping mode for xmobile station is both OR termination. | CM will send UPDATE messages to SIP STN-, but number in PAI/Contact header is missing | 10.2.0.1.0 |
| CM-58119 | SRTP call on G450 | 2-way conversation audio failure in connection topologies involving G4x0 Media Gateways under rare conditions when one party changes the SRTP key mid-call | 8.1.3.8.0 |

### Fixes in Communication Manager Release 10.2.1.2.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-59092 | Deletion of an agent followed by a save_trans from the SAT | Save_trans may fail. | 10.2.1.0.0 |
| CM-59086 | Trunk-Station Call transferred to another station. For 1st call origination station sends Off-hook INVITE to CM. For the 2nd call to transferred-to party, station doesn’t send Off-hook INVITE to CM | Long hour Call due to missing ASAI events like “Single-Step-Conference”, “Call Transfer”. | 10.1.3.4.0 |
| CM-59014 | CM enters License grace period | License Grace period is expiring earlier than 30 days. | 10.1.3.6.0 |
| CM-58975 | Japanese enabled SIP Sta-A on CM-A calling Japanese enabled SIP Sta-B on CM-B. The “Display Language” is set to “Unicode”. And “Unicode Name” set to “Auto” on SIP trunk between two CMs | Unexpected call drop before or after call answer between two Unicode enabled SIP stations on two CMs. | 10.1.3.6.0 |
| CM-58960 | Any multi-function station with MCA bridged-appearance | MCA bridged-appearance buttons on multi-function sets may fail to function if | 8.1.3.8.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| | buttons on extended button modules. | the button is added to an extended button module. | |
| CM-58927 | Incoming call to DECT station and team pickup SIP station member answer the call | Team Pickup from SIP Station would fail | 10.2.1.1.0 |
| CM-58812 | Trunk call to agent station (ASAI monitored) and the call is transferred multiple times | CTI application may not see ASAI “Connected” event | 10.1.3.1.0 |
| CM-58810 | Incoming INVITE with replaces with "SessionExpires" value less than 3600. | The 200 OK for the INVITE goes with "Session-Expires" value of 3600 and other end may disconnect the call. | 10.1.0.2.0 |
| CM-58738 | Audix button configured to start the recording | When customer presses Audix button again to stop the recording, the recording does not stop and continue till the call is ended | 10.1.3.4.1 |
| CM-58699 | SIP stations with Unicode name, call involving transfer or inter-CM scenarios | Enhanced pickup alert is displayed before delay timer expired | 10.1.0.0.0 |
| CM-58689 | Main CMS with survivable servers<br>Add a avcommonos user on main CM | avcommonos users were not sync from main to survivable | 10.2.1.0.0 |
| CM-58651 | CM is Unicode enabled with Arabic name. Arabic SIP station call routing to coverage group. | Customer saw English name instead of Arabic name on SIP station caller with Arabic language when call was covered to another Arabic SIP station. | 10.2.1.0.0 |
| CM-58621 | SIP STN A1 is on CM1 SIP B1 and B2 are on CM2 CM1 and CM2 are connected through SIP trunk and “Mark Users as Phone?” is enabled on trunk form. A1 calls B1. B1 answers the call A1 transfers call to B2 | "user=phone" parameter missing in the Request URI and To header causing failed/misrouted emergency calls. | 10.1.3.4.1 |
| CM-58405 | CMS measured skill for agent have “Multiple Call Handling:” have value “on-request“. Agent-station going transition as below. Available ---> Aux (entering reason code) ----> Available ---- > Make outgoing call. | CMS saw wrong reason code in AUX24 SIP message when CMS measured agent-station made an outgoing call. | 10.1.3.4.0 |
| CM-58404 | station transferring a SIP trunk call to another station which doesn’t answer and the call gets redirected to another SIP trunk | Long call recording due to missing disconnect ASAI even on such calls. | 10.2.0.1.1 |
| CM-58381 | Primary and secondary DNS configured. Primary DNS is unreachable/unresponsive | SSH sessions from AES using SMS API may get timed out. | 10.1.3.3.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-58362 | execute arping from any other linux box to eth0 interface. | If customers use arping to see if CM is reachable, it was giving incorrect MAC address associated with eth0, as a result customer's tool/firewall blocking the network traffic towards CM. | 10.1.0.0.0 |
| CM-58279 | On same CM SIP station Sta-A calls SIP station Sta-B having EC500 configured other CM. | For internal station call, the EC500 leg of called party saw “Calling Number” as per config put in “Public Unknown Numbering” Plan | 10.1.3.4.1 |
| CM-58120 | analog phone on G4x0 gateway | CM station button type 'signal' sends a ringing signal to analog phones on G4x0 gateways that has 200ms duration. This is too short for some external applications. | 10.1.3.3.0 |
| CM-21897 | SIP agent to be configured in CM | Proc errors when SIP agent logs out | 8.0.0.0.0 |

### Fixes in Communication Manager Release 10.2.1.1.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-58656 | CM License expires and the system is in Grace period. | License server process crash and fails to start | 10.1.0.0.0 |
| CM-58542 | Calls on an ISDN trunk | Frequent Proc error 7176/10200 logged in log file. | 10.1.3.3.0 |
| CM-58426 | analog CO trunks or digital (non-ISDN/SIP) trunks. | incoming analog or digital (non-ISDN/SIP) trunk call that route to internal stations display the trunk group name instead of the Trunk Access Code. | 10.1.3.2.0 |
| CM-58378 | ACD calls in queue from the PSTN.<br>CM offers queued calls to SIP agents with Invite that gets a “305 User Proxy” response. | The call is offered to the same agent repeatedly until ROOF limits are hit and the PSTN call is dropped with a BYE from CM. | 10.1.0.1.0 |
| CM-58335 | Configure 9640 station and configure 11th button e.g. autodial<br>change the station type from 9640 to 9408 | button number 11 gets wiped out. | 10.1.3.3.0 |
| CM-58278 | H.323 Trunk between 2 CM's<br>SIP station on CM1 makes call to SIP station on CM2 over H.323 Trunk | Calls between 2 CM's over H.323 Trunk fails. | 10.2.0.1.0 |
| CM-58247 | Avaya Media Server<br>Multiple DMCC recording ports attached to SIP agents via shared-control registration | memory leak builds up over an extended period and may lead to server interchange. | 10.1.0.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-58238 | A SIP station call to SIP principal station with bridges behind SBC and one bridge answering the call. | Spurious re-Invites lead to call failures. | 10.1.3.4.0 |
| CM-58214 | At least one terminating-extension-group configured, and station button "send-term" configured for same terminating-extension-group group | The "send-term" button can activate send-all-calls for a terminating-extension-group but cannot deactivate send-all-calls for the same group. | 10.1.0.1.0 |
| CM-58210 | CM 10.2.1.0.0 running in standalone mode, and CTI application places monitor on VDN, Hunt Groups, Trunk Groups. | VDNs, Hunt Groups and Trunk Groups notifications are not sent to CTI applications | 10.2.1.0.0 |
| CM-58202 | SIP trunk with Public network<br>Incoming SIP message with body having multiple Content-Length headers | SIP Call failures for such scenarios. | 10.1.2.0.0 |
| CM-58165 | Main CM with Survivable servers<br>Execute Save Translations on Main server | on Survivable server, data inside existing user's home directories gets deleted. | 10.1.3.2.0 |
| CM-58153 | Cabinet associated with an audio-group.<br>remove the cabinet. | Cabinet with associated audio-groups is removed without any error/warning message causing translation corruption. | 10.1.0.0.0 |
| CM-58131 | Call routed to Coverage Answer Group.<br>CAG endpoints have Team button on SIP Endpoints.<br>Call coming to CAG answered by Team buttons on SIP endpoints | When multiple calls are answered by Team button, the endpoint is getting corrupted. | 10.1.3.3.0 |
| CM-58115 | trunk call to station with bridge/bridges and the bridge/one of the bridge answering the call.<br>Station and its bridges are ASAI monitored. | Long calls are recorded, which are bogus. | 10.1.2.0.0 |
| CM-58107 | SIP User-A service observing a call<br>SIP User-B calls SIP-A on line 2<br>SIP User-A drops SO call and answers the second call. | One way talk path. | 10.1.0.0.0 |
| CM-57015 | On unicode enabled CM and SIP stations and with DM | Display name on the called/Callee is not as expected. | 10.1.3.4.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| | enabled, call station-B from station-A. | | |

### Fixes in Communication Manager Release 10.2.1.0.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-58616 | Calls routed to Workplace agents and wrong keys are pressed by the caller | Workplace client won't respond, and agent is marked in AUX mode | 10.2.1.0.0 |
| CM-58001 | Add more than 255 trunk members to trunk-group with special application SA-8510 enabled | Unable to add more than 255 members to trunk-group | 10.1.0.0.0 |
| CM-57891 | Run the **vm-support** command. | "**vm-support**" command fails. | 10.1.0.0.0 |
| CM-57810 | Call comes in on VDN-1 which route the call to agent directly using 'route-to' command. Agent then transfers the call to VDN-2. Both the VDNs have "Display VDN for Route-To DAC" field set to "y" and use VDN variables in Vector to route the call. | VDN variables were not referenced correctly for transferred call if "Display VDN for Route-To DAC" is set on VDN. | 10.1.3.0.0 |
| CM-57802 | Route files with incorrect syntax. | CM Web SMI > 'Static Routes' page shows "System error: Internal operation failed- please contact the system administrator and/or support team for assistance." | 10.1.0.0.0 |
| CM-57788 | Make a call from SIP station to SIP Group-Paging extension and use AMS for media-anchoring. | Group-paging did not work (no audio to the paged users). | 10.1.3.3.0 |
| CM-57778 | Bridge originating a call on behalf of principal | Long hour call recording | 10.1.0.2.0 |
| CM-57686 | Change COR on agent form from sat when agent is logged in on a station | Agent logged off | 10.1.3.1.0 |
| CM-57679 | CTI station status query for an H323 station whose audit is also in progress at the same time | Intermittently, CTI query may returns out-of-service for an in-service station | 10.1.3.0.1 |
| CM-57617 | A calls B (B is a SIP phone with Audix rec button)<br>B answers the call<br>B presses audix rec button<br>(The conference with audix takes about 2 seconds to complete) | Audix Recording Fails | 10.1.3.2.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| | A hangs up immediately (within 2 seconds from the button press) | | |
| CM-57597 | EMX application sends triggerResponse (NOTIFY / 200 OK). | CM restarted / interchanged | 10.1.3.3.0 |
| CM-57563 | SIP Endpoint with multiple team buttons configured.<br>Call comes into the observed station | SIP endpoint not able to answer the Team calls. | 10.1.3.3.0 |
| CM-57556 | An outgoing trunk call from CM and trunk side changing the connected party number to long (>= 12) digits number | Customer failed to get correct state for external party in the ASAI monitored call. | 10.1.2.0.1 |
| CM-57462 | CM 10.2 and above | fileserver command won't work. | 10.2.0.0.0 |
| CM-57416 | remove station from SAT terminal while it is registered in shared control mode<br>(like from DMCC dashboard using independent / main mode) | CM restart while removing stations | 8.0.0.0.0 |
| CM-57095 | 3rd party auto dial request on behalf of CM's station. | CTI application side did not get call information passed during call origination causing application not to recognize the call | 10.1.3.2.1 |
| CM-56962 | SMGR/third party signed CM certificate with reserved IP address- 192.11.13.6 used in the Subject CN field of the certificate. | Incorrect demo certificate warning is shown on CLI and SMI | 10.1.0.0.0 |
| CM-56887 | MOH configured.<br>call placed on hold.<br>periodic Announcement audit is scheduled.<br>Corruption in media ports index. | MOH failure | 10.1.3.1.0 |
| CM-56711 | Pre 8.x CM version translations having an analog announcement. | After upgrade to 8.x or 10.x, "display port <announcement port>" command will display error "Error encountered can't complete request" | 8.0.0.0.0 |
| CM-56706 | Configure SIG group 1749 for AFR (Alternate Failover Routing). | CM reload when connectivity is lost with primary ASM. | 8.0.0.0.0 |
| CM-56603 | Incoming H323 trunk call to CM routes to a voice mail system over ISDN/PRI trunks in a G650 | User unable to hear Voicemail prompt | 10.1.3.1.0 |
| CM-56563 | Restore the backup on 10.x CM | During restore below message is observed in logs "Failed to stop | 10.1.0.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| | | chornyd.service: Unit chornyd.service not loaded.” | |
| CM-56456 | H.323 station calling a busy dual-reg station having hunt-to station to another dual-reg station. | The calling H.323 station did not get ringback when a dual-reg station was called having no idle call appearance and call went to dual-reg station configured as hunt-to station of called station. | 10.1.3.2.0 |
| CM-56270 | Anonymous SIP call with INVITE msg containing the Privacy:id header, tandem over a QSIG trunk. | In the case of an anonymous SIP call with privacy:id header, tandem over QSIG trunk, CM shows the "i" character in the Calling Party Name field. | 10.1.3.2.0 |
| CM-56227 | Corruption in announcement structures. | Announcements cannot be rerecorded | 10.1.3.1.0 |
| CM-56217 | Incoming SIP trunk call answered by Bridged user | Incoming SIP trunk call to any station goes in infinite display Invite and call drops | 10.2.0.1.0 |
| CM-56189 | Run “list measurements coverage-path" and "list measurements principal" command on CM SAT Terminal | Commands "list measurements coverage-path" and "list measurements principal" returns error “Entry is bad'.” | 10.1.3.1.0 |
| CM-56183 | Asymmetric DTMF with MG used as a media resource. | DTMF digits are not recognized in case of Asymmetric DTMF payload type with Media-Gateway. | 10.1.3.0.1 |
| CM-56113 | sip trunk calls were answered by a sip station monitored by CTI application. | Incorrect called party numbers are sent in ASAI connected event. | 10.1.3.2.0 |
| CM-56082 | CM 10.2.0.0.0 and above | The FP Filters Page on the CM SMI interface does not populate data for the selection fields like - Category, MO type, Equip type. Also, the page does not show active filters and unable to add new filters. | 10.2.0.0.0 |
| CM-55980 | SIP station B & C having team button for SIP station A<br>Call comes into SIP station A<br>Station B and station C both answering the call via Team button at the same time. | For a station being observed by multiple SIP stations, when the call comes in, and multiple observing parties answer the call within 100 ms, the call first gets connected to the first party and then to the last party to answer the call. | 10.1.2.0.0 |
| CM-55904 | BRI trunk with layer 2 down, a route pattern having 2 trunk groups configured, the first one being layer 2 down | call is stuck, not routed to next trunk group even when LAR is set to next | 10.1.2.0.0 |
| CM-55839 | Corruption in the Adj_cid_tbl so that the ISG and Capro CIDs are different. | Frequent failure of the ECD Skill Route Select from Affinity. | 8.1.3.7.0 |
| CM-55719 | DCP station logged on a softphone and its corresponding | Errors during display station | 10.1.3.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| | hardware (PN / MG on which the dcp station port was configured) removed and then save trans or reset | list station not listing all stations | |
| CM-55665 | Set field "Maximum Off-PBX Telephones - EMX:" on system-parameters customer-options to non-zero. | Heap Leakage could lead to CM reload. | 10.1.3.0.1 |
| CM-55662 | A transfer call involving unicode supported stations. | un-expected display (not in expected language or random) on phones belonging to CM configured for unicode languages while doing transfer and after transfer. | 10.1.3.2 |
| CM-55637 | Out of range uid sent for any ASAI event | CM traps, may interchange | 10.1.3.1.0 |
| CM-55635 | A call to xported stn across a QSIG trunk, covered by CAG with unregistered sip stations | A trunk call hangs in silence | 10.1.3.0.0 |
| CM-55597 | Disable the PING traffic between CM and AMS. | Avaya Media Server (AMS) showed In-service even if the corresponding SIG Group was Out-Of-Service. | 10.1.3.1.0 |
| CM-55584 | SIP station to station call, station transferring the call to another SIP station having EC500 over SIP trunk. And trunk is configured to refer tandem-calling-party number form | EC500 leg of SIP transferred-to station does not get correct calling party number i.e. of original calling party if tandem-calling-party form is used to modify CPN | 10.1.2.0.0 |
| CM-55575 | Call recording using ACS recorder, there should be a shared control station on Annex-LP station which is third party. | Call is not recorded. | 10.1.3.1.0 |
| CM-55333 | Activate the hntpos-bsy button on the SIP station and then do a reset 4 or push to ESS. | After a reset 4 / ESS takeover, the hntpos-bsy button went out of sync, if state was turned on. | 10.1.3.1.0 |
| CM-55312 | A duplex CM setup with a SS(LSP) | CM user directories for deleted users are not deleted on survivable servers | 10.1.3.1.0 |
| CM-55311 | If a conference is done after enabling MCT | MCT button remains active after conf call drops. | 10.1.3.2.0 |
| CM-55122 | Service Provider sends FMTP video attribute in the SDP before it’s related riprap attribute | Video will not work | 10.1.3.0.1 |

## Fixes in Communication Manager Release 10.2.0.1.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-56089 | CM 8 and above, run command “list measurement summary” | Output of "list measurements summary" page 4 shows incorrect value of 24000 for "Total Local and Persistent Variables". | 10.1.0.0 |
| CM-56082 | Add filter on CM SMI (CM SMI Web interface > FP Filters Page) | The FP Filters Page on the CM SMI interface did not populate data for the selection fields like - Category, MO type, Equip type. Also, the page did not show the active filters and was unable to add new filters. | 10.2.0.0.0 |
| CM-55839 | Some corruption in the Adj_cid_tbl so that the ISG and Capro CIDs are different. | Frequent failure of the ECD Skill Route Select from Afiniti. | 8.1.3.7.0 |
| CM-55719 | DCP station logged on a softphone and its corresponding hardware (PN / MG on which the dcp station port was configured) removed and then perform save trans or system reset | Errors during display station.<br>list station not listing all stations. | 10.1.3.0.0 |
| CM-55665 | Set field "Maximum Off-PBX Telephones - EMX:" on system-parameters customer-options to non-zero. | Heap Leakage lead to CM reload. | 10.1.3.0.1 |
| CM-55637 | CM version 8.x / 10.x | CM traps, may interchange | 10.1.3.1.0 |
| CM-55597 | Disable the PING traffic between CM and AMS. | Avaya Media Server (AMS) showed In-service even if the corresponding SIG Group was Out-Of-Service | 10.1.3.1.0 |
| CM-55584 | SIP station to station call, station transferring the call to another SIP station having EC500 over SIP trunk. And trunk is configured to refer tandem-calling-party number form. | EC500 leg of SIP transferred-to station does not get correct calling party number i.e. of original calling party if tandem-calling-party form is used to modify CPN | 10.1.2.0.0 |
| CM-55452 | Call recording with Station Tone Forward Disconnect: "busy" or "intercept" on "system parameters features" | Long calls are recorded, which are bogus | 10.1.3.1.0 |
| CM-55369 | MOH on, call on Hold, and audit for the announcement runs. | Callers hear silence instead of music when put on hold | 10.1.0.2.0 |
| CM-55312 | Delete user from main server. | Deleted user home directory not removed from survivable servers. | 10.1.3.1.0 |
| CM-55311 | If a conference is done after enabling MCT | MCT button remains active after conf call drops | 10.1.3.2.0 |
| CM-55310 | H323 station pressing audix button and hanging up the call within 2 seconds | No disconnect event causing recording issues | 10.1.3.0.1 |
| CM-55283 | Incoming call containing 14 (or more) digits and + sign lands on VDN which compares ANI with VRT. | In vector, only the first 13 digits of ANI were compared with VRT (Vector Routing Table) entries | 10.1.2.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-55211 | Vector with collect digit step and announcement. | DTMF did not work during announcement after call held/unheld vector collect step | 10.1.3.1.0 |
| CM-55193 | Enhanced call pickup alerting for SIP pickup group | Frequent Heap errors which may lead to CM reset | 10.1.3.1.0 |
| CM-55165 | On unicode enabled CM, SIP station to station call and called station have display language configured as “user-defined“. | Unicode name displayed on the called SIP station where expected was English | 10.1.0.2.0 |
| CM-55122 | Service Provider sends FMTP parameter before RTPMAP in SDP | Video will not work | 10.1.3.0.1 |
| CM-55099 | SIP station to station call blind transferred to another SIP station with EC500 over H.323 trunk. | Calling party number sent on EC500 side for a blind transferred SIP-SIP station call was not as per configuration in Public Unknown Numbering | 10.1.2.0.0 |
| CM-55081 | Local DNS server not working or misconfigured | CM attempted to contact DNS root servers at midnight when local DNS server is not working | 10.1.2.0.0 |
| CM-54328 | Select a DMCC station via SSC for call recording | call cannot be recorded | 8.1.3.6.0 |

## Fixes in Communication Manager Release 10.2

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-55167 | System was thousands of integrated announcements on Media Server-1<br>Other Media Servers do not have announcements.<br>Place at least 4000 simultaneous calls which play these announcements | Announcements did not play and sometimes callers hear dead air in mid call. | 10.1.3.1.0 |
| CM-55053 | A Computer Telephony application initiates transfer using Trunk Access Code dialing | Transfer does not complete | 10.1.2.0.0 |
| CM-54956 | Register a Session Initiation Protocol (SIP) phone and administer Multiple Registration recording on it using Recorder (ACRA) | Intermittently the recordings would fail. | 8.1.3.6.0 |
| CM-54916 | Keep a system running for a long time, till process ID goes over 65535 | Ping all fails | 10.1.0.2.0 |
| CM-54897 | audix-rec button is administered on the SIP endpoint<br>No members should be available in the audix hunt group | The recordings on the SIP station after audix rec button is pressed are long calls because no disconnect event is sent. | 10.1.2.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-54893 | Turn off IP sync on the system-parameters features form | Cannot access "change synchronization media-gateway X" command | 10.1.2.0.0 |
| CM-54883 | Service Observe a H.323 station.<br>Place a Make Call request from this station to another.<br>Use DLG interface to make the request towards AES | Customer sees call origination fails on the application. | 10.1.2.0.0 |
| CM-54811 | Administer a SIP station in a Network Region (NR) with no VoIP resources in the NR itself.<br>Enable Dial Plan Transference (DPT) on this Network region | Calls from this SIP station was failing. | 8.1.3.1.0 |
| CM-54701 | Place a call to a station<br>press Malicious Cal trace (MCT) on the station<br>SO this call.<br>Drop the call | The MCT button was never turns off. | 10.1.0.2.0 |
| CM-54698 | Enable SA8702<br>SIP contact URI should be longer than 40 chars | Universal Call ID (UCID) was corrupted in Call Detail Record (CDR). | 10.1.0.2.0 |
| CM-54668 | Try to change the update the user-profile name using the "change user-profile X" command<br>The new profile name should be smaller than the old name | The newly created name was corrupted. It puts the new name in first characters, while the rest is still the old name | 10.1.3.0.1 |
| CM-54469 | Session Boarder Controller (SBCe) sends a call towards CM with a UCID generated by SBCe in User-User<br>On the CM, make a transfer to another station. | Wrong UCID gets selected on the eventual call after transfer is completed. | 10.1.2.0.0 |
| CM-54466 | Sig group should be set with DTMF mode set to Out of band. | No DTMF digits was get collected. | 10.1.2.0.0 |
| CM-54435 | Install any SSP after SSP3 configure "Maximum time an idle CLI session remains active" from SMI. | The SSH session wasn’t disconnected after terminal stays inactive for sufficient time. | 10.1.3.0.0 |
| CM-54422 | Turn on SELinux<br>Restart CM | CM server intermittently goes into crit_os state | 10.1.3.0.0 |
| CM-54104 | Call made to a vector with Multiple Skill Queueing enabled. There are no available agents on the first skill | agent does not have audible ring | 10.1.2.0.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CM-54050 | Keep a system running for a long time, till call processing process ID goes over 999999<br>Attach call processing on DDB<br>Write a breakpoint where call processing is used in action list | The action list does not execute. | 10.1.0.2.0 |
| CM-53222 | No customer visible symptom | No customer visible symptom | 10.1.0.2.0 |
| CM-52722 | Elite in call surplus with 4000 sip agents high traffic.<br>There are network delays causing messages towards the stations to be slowed down. | High CPU occupancy on CM. | 10.1.0.2.0 |
| CM-51946 | Use one-touch recording on SIP phones by pressing the audix-rec button. | Encountered corruption on the audix-rec button data that prevents the recording attempt until it is cleared via TCM or a reboot | 8.1.3.5.0 |
| CM-51755 | Turn on Peer Detection on sig groups | The "+" settings on sig group are inconsistently being set depending on Peer Detection status | 8.1.12.0.0 |
| CM-51741 | System should be setup with SIP MDA | All members get the enhanced pickup group display regardless of their language settings. | 8.1.3.4.0 |
| CM-47380 | SIP reachability feature is turned off<br>Trigger resubscription by resetting the socket to ASM | CM does not resubscribe after the socket comes back up. | 6.3.0.0 |
| CM-44692 | Call from DCP station to SIP trunk.<br>DCP station should be on a PN.<br>SIP trunk should take its VoIP from AMS, and a IGC should be created between AMS and MP. | Talk path does not com up. | 8.1.3.0.0 |
| CM-17142 | Setup NICE or Verint with AES encryption.<br>Restart the socket between CM and AES | White noise gets recorded. | 6.3.16.0 |

## Known issues and workarounds in Communication Manager Release 10.2.x.x

### Known issues and workarounds in Communication Manager Release 10.2.1.3.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| CM-61728 | XMOBILE Station and Configure emergence extension number | When calling to emergency number (911), from XMOBILE station, calling number is not getting updated | No |

| | | | |
|---|---|---|---|
| | other than station extension | as per Emergency Location Extension number configured on station form.<br>Calling number is same as the station number. | |
| CM-61720 | E911 calls with SNMP trap config.<br>Data gathering or SMGR-CM sync is being run. | E911 SNMP Traps may be delayed | Make sure SMGR-CM sync or any data gathering tools are not run during peak production hours. |
| CM-58360 | SIP endpoints with 2 shared control DMCCs in split-stream recording (MR) mode.<br>Agent1 receives an incoming call on one AMS and does a consultative transfer to another Agent2 on different AMS. | Intermittently No Audio after call transfer is complete | No |
| CM-58494 | remove site-data even though it is not used | error “Entry must be deleted from stations before removal” | No |
| CM-58492 | certificate-based authentication enabled on WebLM | CM unable to acquire license | Disable certificate-based authentication on WebLM |
| CM-58201 | Encrypted DUP link and dumper process is restarted while standby is busied out | DUP link fails to come up | Disable Encryption on DUP link. |
| CM-58129 | Incoming call to ACD SIP agent in shared control independent mode with ROOF feature enabled. | ROOF feature not getting triggered, caller keeps on getting ringback tone, call never answered. | Use RONA |
| CM-58104 | AUTOMATIC TRACE ROUTE is turned ON on system-parameters ip-options and Media-gateway lose connectivity to CM or are rebooted | High CPU usage on CM and Media gateway unable to register back to CM | Disable AUTOMATIC TRACE ROUTE on system-parameters ip-options |
| CM-58057 | CM installed on KVM based ASP R6 | S8300 Front Panel LED’s do not function correctly. Refer PSN PSN020654u for more details. | NA |

| | | | |
|---|---|---|---|
| CM-56488 | New license file with AMS Channel count less that the total allocated dedicated AMS channels | CM fail to allocate DSP resources from AMS resulting in call failures | Before generating new license file, Correct the dedicated channel count to match the new licenses file. |

### Known issues and workarounds in Communication Manager Release 10.2.1.2.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| CM-58559 | SIP station with Language German installed. xmobile station on CM which has bridge appr for called station and mapping mode for xmobile station is both OR termination. | M will send UPDATE messages to SIP STN-, but number in PAI/Contact header is missing | No |
| CM-58360 | SIP endpoints with 2 shared control DMCCs in split-stream recording (MR) mode.<br>Agent1 receives an incoming call on one AMS and does a consultative transfer to another Agent2 on different AMS. | Intermittently No Audio after call transfer is complete | No |
| CM-58494 | remove site-data even though it is not used | error “Entry must be deleted from stations before removal” | No |
| CM-58492 | certificate-based authentication enabled on WebLM | CM unable to acquire license | Disable certificate-based authentication on WebLM |
| CM-58201 | Encrypted DUP link and dumper process is restarted while standby is busied out | DUP link fails to come up | Disable Encryption on DUP link. |
| CM-58129 | Incoming call to ACD SIP agent in shared control independent mode with ROOF feature enabled. | ROOF feature not getting triggered, caller keeps on getting ringback tone, call never answered. | Use RONA |
| CM-58104 | AUTOMATIC TRACE ROUTE is turned ON on system-parameters | High CPU usage on CM and Media gateway unable to register back to CM | Disable AUTOMATIC TRACE ROUTE on system-parameters ip-options |

| | | | |
|---|---|---|---|
| | ip-options and Media-gateway lose connectivity to CM or are rebooted | | |
| CM-58057 | CM installed on KVM based ASP R6 | S8300 Front Panel LED's do not function correctly. Refer PSN PSN020654u for more details. | NA |
| CM-56488 | New license file with AMS Channel count less that the total allocated dedicated AMS channels | CM fail to allocate DSP resources from AMS resulting in call failures | Before generating new license file, Correct the dedicated channel count to match the new licenses file. |

### Known issues and workarounds in Communication Manager Release 10.2.1.1.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| CM-58559 | SIP station with Language German installed.<br>xmobile station on CM which has bridge appr for called station and mapping mode for xmobile station is both OR termination. | M will send UPDATE messages to SIP STN-, but number in PAI/Contact header is missing | No |
| CM-58360 | SIP endpoints with 2 shared control DMCCs in split-stream recording (MR) mode.<br>Agent1 receives an incoming call on one AMS and does a consultative transfer to another Agent2 on different AMS. | Intermittently No Audio after call transfer is complete | No |
| CM-58494 | remove site-data even though it is not used | error "Entry must be deleted from stations before removal" | No |
| CM-58492 | certificate-based authentication enabled on WebLM | CM unable to acquire license | Disable certificate-based authentication on WebLM |
| CM-58201 | Encrypted DUP link and dupmgr process is restarted while standby is busied out | DUP link fails to come up | Disable Encryption on DUP link. |

| | | | |
|---|---|---|---|
| CM-58129 | Incoming call to ACD SIP agent in shared control independent mode with ROOF feature enabled. | ROOF feature not getting triggered, caller keeps on getting ringback tone, call never answered. | Use RONA |
| CM-58104 | AUTOMATIC TRACE ROUTE is turned ON on system-parameters ip-options and Media-gateways lose connectivity to CM or are rebooted | High CPU usage on CM and Media gateway unable to register back to CM | Disable AUTOMATIC TRACE ROUTE on system-parameters ip-options |
| CM-56488 | New license file with AMS Channel count less that the total allocated dedicated AMS channels | CM fails to allocate DSP resources from AMS resulting in call failures | Before generating new license files, Correct the dedicated channel count to match the new licenses file. |

## Known issues and workarounds in Communication Manager Release 10.2.1.0.0

**Note:** The new KVM OVAs published on 23rd Dec 2024 has the Disk Encryption capability.

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ~~CM-58084~~ | ~~Communication Manager Deployed on ASP R6.0 Host~~ | ~~CM Disk Encryption feature is not available~~ | ~~No~~ |

## Known issues and workarounds in Communication Manager Release 10.2.0.1.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| CM-56270 | Anonymous SIP call to CM with header "Privacy: id" is routed to a 3rd party PBX via DS1 QSIG trunk | CM adds a single character as “i” as calling name in case of privacy. | No |
| CM-56227 | Corruption in internal CM structures | intermittent failures on announcement re-recording attempts | Clear corruption by services engineer |
| CM-56183 | Asymmetric DTMF with MG used as a media resource | DTMFs not getting exchanged. | Use AMS as media resource |
| CM-56168 | On the " TONE GENERATION" page, set the value of the field "Base Tone Generator Set" to 4. | Incorrect dial tone being played when the base tone generator set is set to 4. | No |

| | | | |
|---|---|---|---|
| | Go off-hook on a h.323 phone | | |
| CM-56052 | ACD call on a domain-controlled VDN<br>The call is answered by a SIP agent. | Intermittently, CM sends '#####' for the calling party number in the connected event, after sending the correct ANI in the alerting event. | No |
| CM-55980 | team button on more than 2 SIP stations. | incoming call to a station answered simultaneously by 2 SIP stations using team buttons, sometimes talk path get connected to both endpoints. | No |
| CM-55904 | The BRI-trunk between CM and MG is in in-service but layer 2 state is assigned instead of established.<br>LAR configured in route pattern to next. | Call gets stuck if layer2 is down on trunk grp, and LAR is not triggered | No |
| CM-55662 | H.323 station calling SIP station supporting English language. | For calls, SIP stations sees display in unicode when the expected display is English for the other party in the call. | No |
| CM-55635 | Trunk is H323 with SS-B signaling with following settings<br><br>QSIG Value-Added? y<br>QSIG-Value Coverage Encoding: proprietary<br><br>On customer-options page 9<br>Value-Added (VALU)? y | The calling station ends up hearing nothing in this scenario and connected to nothing. | No |

## Known issues and workarounds in Communication Manager Release 10.2

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|

| | | | |
|---|---|---|---|
| FI-2142 | STIR SHAKEN Feature on IOS and MacOS | IOS and MacOS devices on version 3.35 were crashing while STIR/SHAKEN message received. | Disable STIR/SHAKEN feature for IOS and MacOS.<br>Issue will be fixed by Feb 2024 |

# Avaya Aura® Session Manager

## What's new in Session Manager Release 10.2.x.x

### What's new in Session Manager Release 10.2.1.1

- VMware ESXi 8.0.3 U3 platform support.

The December 23 updated Aura 10.2 KVM OVAs now support the following:

- The KVM OVAs include an *install_vm.py* script to simplify deployment of the KVM OVA
- The *install_vm.py* script now supports the creation of a root login/password
- The CM and AES updated 10.2 KVM OVAs also include support for encryption.

### What's new in Session Manager Release 10.2

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Future use fields visible in Avaya Aura® Session Manager Release 10.2.x.x

### Future use fields visible in Avaya Aura® Session Manager Release 10.2

The underlying framework for an upcoming new Avaya Aura® Platform enhancement "Avaya Aura Distributed Architecture" will be seen in some Release 8.1 administration screens and deployment options. The following fields seen on System Manager screens for Session manager are intended for future use:

- Session Manager → Global Settings → Enable Load Balancer

The SIP Resiliency Feature was introduced for Aura core components in 8.0 release. However, this feature is not useful until a future time when Avaya SIP clients also support SIP Resiliency. As a result, it is highly recommended that this feature NOT be enabled on Session Manager 8.0 (or later) until such time. The following field seen on System Manager screens for Session manager are intended for future use:

- Session Manager → Global Settings → Enable SIP Resiliency

## Security Service Pack

### Security Service Pack

With the release 10.x Avaya introduces a common version on RedHat Enterprise Linux (RHEL 8.4) to its Avaya Aura platform. Common versions of RPMs are supported and consumed by the components. This results in a change to how security updates are provided for Session Manager (SM).

**CRITICAL: The Security Service Pack installation framework for SM has changed in Release 10. x. It is imperative that the instructions in PCN2161S be reviewed for complete steps prior to installation of Security Service Packs on an SM 10.2.x system.**
The SSP can only be installed via the command line. There is no Solution Deployment Manager (SDM) support for SSP installation.
In order to install the SSP for SM 10.2.x, you must use the new command ("av-update-os") and follow the detailed instructions in **PCN2161S**.

## Required artifacts for Session Manager Release 10.2.x.x

### Required artifacts for Session Manager Release 10.2.1.3

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| Session_Manager_10.2.1.3.1021305.bin | SM000001040 | 1.6 GB | 1021305 | SM 10.2.1 Service Pack #3 |

### Required artifacts for Session Manager Release 10.2.1.2

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| Session_Manager_10.2.1.3.1021207.bin | SM000001037 | 1.6 GB | 1021207 | SM 10.2.1 Service Pack #2 |

### Required artifacts for Session Manager Release 10.2.1.1

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| Session_Manager_10.2.1.1.1021105.bin | SM000001030 | 1.6 GB | 1021105 | SM 10.2.1 Service Pack #1 |

### Required artifacts for Session Manager Release 10.2.1.0

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| Session_Manager_10.2.1.0.1021007.bin | SM000001023 | 1.6 GB | 1021007 | SM 10.2 Feature Pack #1 |
| ~~SM-10.2.0.0.1020019-kvm-02.ova~~ | ~~SM000001018~~ | ~~2.6 GB~~ | ~~1020019~~ | ~~SM 10.2 KVM OVA~~ |
| ~~BSM-10.2.0.0.1020019-kvm-02.ova~~ | ~~SM000001019~~ | ~~1.8 GB~~ | ~~1020019~~ | ~~BSM 10.2 KVM OVA~~ |
| AV-SM10.2-RHEL8.10-OSUpdate-003.tar.bz2 | SM000001025 | 646 MB | Red Hat Linux Release 8.10 (Ootpa) | RHEL 8.10 OS Bundle |

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| BSM-10.2.0.0.1020019-kvm-04.ova | SM000001026 | 1.85GB | 1020019 | SM 10.2 KVM OVA |
| SM-10.2.0.0.1020019-kvm-04.ova | SM000001027 | 2.64GB | 1020019 | BSM 10.2 KVM OVA |

**Note:** Replacing the KVM OVAs to cover the script-based deployment and the procedure is documented in deployment guide.

### Required artifacts for Session Manager Release 10.2.0.1

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| Session_Manager_10.2.0.1.1020108.bin | SM000001009 | 1.2 GB | 1020108 | SM 10.2 Service Pack #1 |

### Required artifacts for Session Manager Release 10.2

The following section provides Session Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| SM-10.2.0.0.1020019-e80-01.ova | SM000001001 | 3.2 GB | 1020019 | SM OVA |
| BSM-10.2.0.0.1020019-e80-01.ova | SM000001002 | 1.9 GB | 1020019 | BSM OVA |
| Session_Manager_10.2.0.0.1020019.iso | SM000001003 | 1.6 GB | 1020019 | SW Only ISO |
| dmutility-10.2.0.0.1020019.bin | SM000001004 | 392 KB | 1020019 | DM Utility |

**Note:** The deployment of Avaya Aura® applications as Software-only is available but a restricted offer for net new deployments and requires Avaya Aura® BU approval before proceeding. If you have a business requirement to deploy Avaya Aura® as Software-only, please get in touch with your Avaya Sales team. Existing customers using software only deployments continue to be supported.

### Software information

| Software | Version | Note |
|---|---|---|
| OS | Red Hat Linux Release 8.4 (Ootpa) | |
| PostgreSQL Database | 13.10 | |
| Cassandra | 3.11.14 | |
| Open JDK 64-Bit | 1.8.0_372-b07 | |
| IBM Liberty Server | 22.0.0.11 | |
| Application Server | wildfly-24.0.0. Final | |
| VMware vCenter Server, ESXi Host | 7.0.X, 8.0, 8.0 Update 2. | Avaya Aura® Release 10.2.x supports VMware 8.0 and VMware 8.0 Update 2. |

| Software | Version | Note |
|---|---|---|
| | | Avaya Aura® Release 10.2.x does not support VMware 8.0 Update 1. For information about known issues, see VMware 8.0 Update 1 Release Notes on the VMware website at https://docs.vmware.com/en/VMware-vSphere/8.0/rn/vsphere-6vcenter-server-801-release-notes/index.html. |

## Installation for Session Manager Release 10.2.x.x

### Backing up the software

Refer to the Session Manager Backup and Restore section of the *Administering Avaya Aura® Session Manager* document at: https://support.avaya.com

### Installing the Session Manager software

For more information about installing Session Manager, see the Avaya Aura® Session Manager deployment documents at: https://support.avaya.com

### Upgrading the Session Manager software

**Note 1:** To preserve full system connectivity, it may be necessary to apply a pre-upgrade patch to each Session Manager in the network BEFORE updating System Manager to release 10.2. This is necessary only if BOTH the following conditions apply:

1. Session Manager is on release 8.1.x
2. Security Service Pack #12 or #13 have been applied to Session Manager

In this case, you must apply Security Service Pack #14 or later to each Session Manager - prior to initiating the 10.2 upgrade of System Manager.

**Note 2**: When upgrading directly from Session Manager 7.0.x to Session Manager 10.2, Centralized Call History records will not be retained.

**Note 3**: Due to significant architecture and security enhancements in post SM 10.1 release, in certain situations customers may experience Cassandra outages during upgrade procedures. This only applies to customers that are on 8.0.0 or earlier releases, have more than 2 session managers, and are unable to upgrade all session managers in a single maintenance window. During the time where some session managers are running 8.0.0 or earlier, while others are on 10.2, the Cassandra clusters in each release will operate in isolation. Noticeable impacts will be an interruption in Offline Call History operation, and the inability for end users to make changes to device data (e.g. button labels) or contact lists. The number of users impacted is difficult to predict, as it depends upon the topology of the system and the distribution of users across session managers. Once all session managers are upgraded to 10.2 the Cassandra nodes will again act as a single cluster and operation will return to normal.

**Note 4**: **For Systems operating in FIPS mode:**

Extra steps are required if all Session Managers cannot be upgraded to Release 10.2 in a single maintenance window from pre-10.1 release.

For each Session Manager that will remain on an earlier pre-10.1 release, execute the following via the Session Manager command line:

1. Edit the Cassandra configuration file (/data/var/avaya/cassandra/current/conf/cassandra.yaml) and change the listed *cipher_suites* under the *client_encryption* options section from:

   [TLS_RSA_WITH_AES_256_CBC_SHA,TLS_DHE_RSA_WITH_AES_256_CBC_SHA]

   To:

   [TLS_RSA_WITH_AES_256_CBC_SHA,TLS_DHE_RSA_WITH_AES_256_CBC_SHA,TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384,TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384,

TLS_DHE_RSA_WITH_AES_256_GCM_SHA384,TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256,TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256,TLS_DHE_RSA_WITH_AES_128_GCM_SHA256,TLS_ECDH_RSA_WITH_AES_256_GCM_SHA384,TLS_ECDH_ECDSA_WITH_AES_256_GCM_SHA384,TLS_RSA_WITH_AES_256_GCM_SHA384,TLS_ECDH_RSA_WITH_AES_128_GCM_SHA256,TLS_ECDH_ECDSA_WITH_AES_128_GCM_SHA256,TLS_RSA_WITH_AES_128_GCM_SHA256]

2. Execute "restart Cassandra"

For more information about upgrading Session Manager, see the *Upgrading Avaya Aura® Session Manager* document at: https://support.avaya.com

### Troubleshooting the installation

Refer to the *Troubleshooting Avaya Aura® Session Manager* document at: https://support.avaya.com

### Restoring software to the previous version

Refer to the product documentation.

## Fixes in Session Manager Release 10.2.x.x

### Fixes in Session Manager Release 10.2.1.3

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-95341 | Click on the SM help pages in SMGR | SM help pages may not work | 10.1.3.6 |
| ASM-95274 | ASM 10.2.1.x installed | No Visible symptoms.<br>IBM Liberty Java Version update to 1.8.0_461 | 10.2.1.0 |

### Fixes in Session Manager Release 10.2.1.2

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-95177 | Bad routing resulting loop between CM and ASM | Entity link goes down. | 10.1.0.0 |
| ASM-95155 | 2 core ASMs managed by SMGR.<br>One of the ASM is powered OFF. | Fragmentation audit triggered every hour may cause service impact to new calls. | 10.1.0.0 |
| ASM-95099 | Wrong or unreachable DNS configured | INVITE processing delayed by 31 seconds | 10.2.0.0 |
| ASM-95094 | Attempt to register Zoom Room clients to SM | Zoom Room clients fail to register to SM as 3rd Party client. | 10.2.1.0 |
| ASM-95036 | Enable SIP Resiliency, detach SM1 from network, SM2 should take over which triggers call re-construction. | SM maps wrong subid_ipcs after failover, causing 5XX response from SBCE resulting in call reconstruction failure. | 10.1.0.0 |
| ASM-94883 | Workplace SIP stations registered to SM. | Device data is not shown under User registration page on SMGR | 10.2.0.0 |
| ASM-94882 | SIP Stations registered to CM. | Actual location may not be displayed on the Registration page for registered users. | 10.2.0.0 |

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-94807 | SIP Stations registered with SM1 and SM2.<br>SM rebooted unexpectedly due to some catastrophic reason. | Endpoint recovery may fail with 403 response code from SM while the SM services initialize after abrupt reboot. | 8.1.3.0 |
| ASM-94105 | SM 10.2.x Installed | Security Vulnerability in a scan | 10.2.0.0 |

### Fixes in Session Manager Release 10.2.1.1

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-94668 | Add implicit users' data using Web Service with App Sequence as NULL. | Customer could not add implicit user entry using WebService | 10.2.1.0 |
| ASM-94624 | Large CM dialplans (e.g. number of entries exceeds 300) may be vulnerable. | Telephone numbers dialed from a SIP phone may have a 4 second pause before the phone makes the call, despite those numbers being handled by dialplan rules. | 10.2.0.1 |
| ASM-94543 | SM 10.1 with APN Configured Endpoint/Workplace Client | The expired Push Notification gets delivered to the device whenever it comes up | 10.1.3.0 |
| ASM-94232 | SM 10.1 with APN Configured<br>SMGR 10.1 | APN Test shows failed randomly and recover after few seconds and frequent alarms are generated for the same. | 10.2.0.0 |
| ASM-94068 | Add / import adaptation xml file which has two entries with same matching pattern, with different AddressToModify. | overlapping error is displayed | 10.1.3.3 |
| ASM-93686 | Apply filter on adaptation entries, select and Delete adaptation entries | Wrong adaptation entry gets deleted | Select and delete without applying filters |
| ASM-92437 | Upload SM/SMGR MIB to a MIB browser | Upload to MIB browser throws error | 10.1.3.1 |

### Fixes in Session Manager Release 10.2.1.0

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-93600 | SM Version 10.2.0.0 | PostgregreSQLSecurity Vulnerability detected | 10.2.0.0 |
| ASM-93588 | SM Version 10.2.0.0 | Spring Security Vulnerability detected | 10.2.0.0 |
| ASM-93372 | Run cert_status script on the Session Manager | Added Certificate Validity date in the cert_status script output | 8.1.0.0 |

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-93371 | Multiple simultaneous ping requests made to SM | If more than 4 ping requests are initiated from multiple or same source, further ping requests gets dropped by SM Firewall | 10.1.3.0 |
| ASM-93366 | Incomplete CRL configuration in SMGR | SM Process Asset goes down | 10.1.3.2 |
| ASM-93329 | Bulk station reload from SM user registration page | Postgres process getting stuck at 99%, can be seen using top command | 10.1.2.0 |
| ASM-93319 | SM version 10.1.3.x | System Manager Jboss crash due to no free swap memory | 10.1.3.1 |
| ASM-93302 | Apply SP/Custom patch on SM connected to a Geo SMGR. | Postgres and Jboss fail to start, and SM status will show as not connected on SM dashboard. | 10.1.0.0 |
| ASM-93240 | SM 10.2.0.1 installed and moderately busy | Java Cores and Deadlock and restart of SM processes | 10.2.0.0 |
| ASM-93212 | SSH connection to SM from windows server 2016 | SSH connection failure/timeout. | 10.1.3.3 |
| ASM-93094 | Session manager with SIP user registered. | SM User Registration page on System Manager may not display all registered SIP users. | 10.2.0.0 |
| ASM-93024 | Calls are queued to CM in a specific Vector Step Sequence | Queued calls are dropped after 3 min | 10.2.0.0 |
| ASM-93018 | SM 10.x installed | Assets may not recover after failure. | 10.1.0.0 |
| ASM-93004 | SM 10.2.0.0 installed | Asset process crashes | 10.2.0.0 |
| ASM-92904 | SM 7.x/8.x/10.x Installed | Security vulnerability related to SM has been fixed. | 7.1.0.0 |
| ASM-92859 | System with huge number of BSM's in the environment. | SM Dashboard refresh times out with following error "Refreshing status timed out, data displayed may be inconsistent or incorrect" | 10.1.2.0 |
| ASM-92811 | SIP Trace Viewer configured on SM EM | Error displayed on UI and SIP Tracer cannot be configured. | 10.2.0.0 |
| ASM-92803 | SIP user registered as RW through ASBCE, and multiple emergency number dial-patterns are configured | RW users unable to dial all the emergency numbers | 10.1.3.1 |
| ASM-92802 | More than 2 LHNR entries with same CM IP address and SIP entity links with BSM | Entity link with BSM never comes up | 10.1.3.1 |
| ASM-92760 | SM 10.1.3.x installed | Exceptions seen in the asm.log files | 10.1.3.1 |

| Key | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-92641 | SM 10.2.0.0 installed, and Calls are configured to route through another SM | Memory leak observed and SM restarts | 10.2.0.0 |
| ASM-92609 | SM 10.2.0.0 installed | SM process restarts with deadlock error | 10.2.0.0 |
| ASM-92590 | A dialplan configuration where there are multiple patterns with the same length and leading digits. | A SIP phone may dial a number before all of the digits have been entered. | 8.1.3.0 |
| ASM-92348 | SIP User registered via SBC to both primary and secondary ASM. | Actual location changes every 20-30 seconds when extension registered via SBC | 10.1.3.0 |
| ASM-90117 | SM installed and configured | SM Restarts in a specific case | 10.1.3.0 |
| ASM-85900 | SM 8.1.3.x or above installed | Security Vulnerability detected | 8.1.3.0 |

### Fixes in Session Manager Release 10.2.0.1

| ID | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-92811 | View SIP traces using SM EM trace viewer | SMGR Trace Viewer on SM EM UI throws error. | 10.2.0.0 |
| ASM-92786 | SIP station with IP Video enabled. | Query failure statement logged in mgmt.log file. | 10.1.3.1 |
| ASM-92760 | N/A | Null Pointer Exception seen in TextLogs. | 10.1.3.1 |
| ASM-92707 | SM on release 10.1.3.2 | Continuous ALARM-SYNFLOOD messages are observed in /var/log/messages. | 10.1.0.0 |
| ASM-92698 | Execute dmutility command on ASM | dmutility command fails. | 10.2.0.0 |
| ASM-92664 | Execute “setSecurityPolicy” with custom rules, with password parameters | Parameters modified like password complexity/polices do not work after modification and execution using “setSecurityPolicy”. | 10.1.0.0 |
| ASM-92590 | Create more than 3 dial patterns, with same length and starting digit, which can be compressed. | Incorrect compression causing routing failure for some compressed patterns. | 8.1.3.8 |
| ASM-90992 | Session Manager 10.1 installed and observe /var/log/messages file | The /var/log/messages file is flooded with ALARM-ICMPFLOOD and ALARM-SYNFLOOD logs. | 10.1.0.0 |
| ASM-90117 | N/A | NumberFormatException seen in TextLogs resulting into Call processing restart. | 8.1.3.4 |
| ASM-88725 | SIP Entity associated with the Adaptation which replaces IP addresses with Domain Name | Domain based routing fails. | 8.1.3.4 |

### Fixes in Session Manager Release 10.2.0.0

| ID | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-92439 | Session Manager 8.1.3 or 10.1 installed and run security scan | The scanner flag ActiveMQ Vulnerability (CVE-2023-46604) | 8.1.3.0 |
| ASM-92425 | Install Branch Session Manager 10.x and observe asm.log files | Observed exceptions callprocessing.pushnotification.OAuth2 Token ERROR even though Push Notification is not enabled | 10.1.0.0 |
| ASM-92415 | Large number of Branch Session Managers managed by a System manager | Errors displayed on the Session Manager Dashboard | 8.1.3.0 |

| ID | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-92333 | Session Manager 10.1 installed with an unreachable DNS server configured. | Running traces or network reports might show SM trying to access public DNS servers | 10.1.0.0 |
| ASM-92204 | Session Manager 8.1.3.x installed as SW Only deployment | Software only does not install custom net-snmp rpm if net-snmp rpms already present | 8.1.3.6 |
| ASM-92070 | Session Manager 10.1.3.x installed and run security scan. | Deprecated SSH Cryptographic settings were discovered | 10.1.3.1 |
| ASM-91978 | Session Manager 10.1.3.1 installed and navigate to SM Dashboard on the System Manager | The dashboard shows stale data and doesn't refresh | 10.1.3.1 |
| ASM-91938 | Session Manager Management interface hostname is alphanumeric | Cassandra Nightly repair job fails to run | 10.1.3.1 |
| ASM-91890 | Session Manager Management interface hostname is combination of uppercase and lowercase | Cassandra Nightly repair job fails to run | 10.1.3.1 |
| ASM-91780 | Session Manager Management interface added as FQDN instead of IP in the System Manager | Cassandra audit job fails to run | 8.1.3.0 |
| ASM-91779 | Install Session Manager 10.1.2 with IPv6 address family and SSH to the SM | Unable to SSH to SM using IPv6 address | 10.1.2.0 |
| ASM-91698 | Configure Aura Core with large number of Feature buttons with extensions as argument and then update extensions on the SMGR UI | Postgres processes hung and SM encounters performance issues. | 10.1.2.0 |
| ASM-91629 | Session Manager 10.1.x installed, and Postgres process goes down | No alarms generated indicating Postgres is down | 10.1.3.0 |
| ASM-91406 | Customer makes inbound SIP Trunk call to SIP agent and then cancels before agent could answer | SIP agent heard silence and is not informed of canceled calls | 10.1.2.0 |
| ASM-91232 | Upgrade SMGR and Session Manager from 8.1.x to 10.1.x | Users with Workplace Clients fail to download PPM data | 10.1.2.0 |

| ID | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-91132 | Enable Push Notification feature with HTTP/HHTPS forward proxy | The connection to the Push Notification provider fails | 10.1.0.2 |
| ASM-90996 | Session Manager configured with 3rd Party CA with Sub CA in the certificate chain | The initTM script fails intermittently. | 10.1.0.0 |
| ASM-90995 | Run traceSM command and observer SIP entity name in the columns. | The SIP entity names are not displayed and only IP addresses are displayed | 10.1.2.0 |
| ASM-90835 | Session Manager 10.1.3.x running with moderate load | Observed AsmUAInfo WARN logs | 10.1.3.0 |
| ASM-90826 | Upgrade Session Manager from 10.1.0.2 to 10.1.2 | The SM/BSM VM sometimes become unresponsive during an upgrade. | 10.1.0.0 |
| ASM-90722 | Register a 3rd Party SIP phone and observe actual location under User Registrations screen | Actual Location information is not displayed under user registration page | 8.1.3.7 |
| ASM-90716 | Call to an extension which has hidden/special character in number | PPM throws error for getCallHistory requests and call log is not displayed | 8.1.3.5 |
| ASM-90555 | System configured with Multiple ports between SM and CM SIP Entity with same protocol | During rainy day, only one port is marked as trusted | 8.1.3.4 |
| ASM-90547 | Session Manager 10.1.0.2 installed and run sm-report command | One of the CPU cores get blocked with 100% usage by IBM WebSphere | 10.1.0.0 |
| ASM-90539 | Session Manager 8.1.3.x installed | Rarely it was observed that the RHEL database is corrupted | 8.1.3.6 |
| ASM-90425 | Export Call Count data in the CSV format | The exported CSV file for Call Counts data is empty | 10.1.0.0 |
| ASM-90405 | Session Manager experiencing moderate to high Push Notification traffic | Observed in the log files exception java.lang.IllegalThreadStateException | 8.1.3.6 |

| ID | Minimum Conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ASM-90170 | Start User Registration export job from SMGR and make it recurrent | The exports use the same old filename every time. | 8.1.3.6 |
| ASM-90013 | A SIP station has Primary and Secondary registration and monitored using AES (TSAPI MonitorDevice) | SM incorrectly sends out the registration state as "active". | 8.1.3.6 |
| ASM-90005 | Push Notification feature enabled with HTTP Proxy | Error on Session Manager Dashboard while enabling the feature | 8.1.3.0 |
| ASM-89925 | Enable PPM Debug logging using sm ppmlogon command | The mgmt.log file is flooded with the SMCallHistoryDM migrateCallLogsToGlobalDCSpecialCallLog related logs | 8.1.3.5 |
| ASM-89835 | Register SIP Deskphones to Session Manager and observe Device tab under User Registrations page | The Device information is not displayed under user registrations screen | 10.1.0.2 |
| ASM-89829 | Run the command "runsmconsole" and attach to the Management member. | SM's server.log file filled with "Missing short name for class" messages | 8.1.0.0 |
| ASM-89128 | Add SIP Entity links using Routing Web Service API and incorrect value for Connection Policy. | The Web Service request with incorrect value for Connection Policy is not rejected | 8.1.3.0 |
| ASM-89053 | Aura Core system with more than 6 Session Managers | The nightly User Data Storage repair of Cassandra nodes fails sometimes. | 8.1.3.3 |
| ASM-88806 | An automatic certificate renewal or a manual replacement of certificates on the Session Manager happens | The WebSphere certificates are not getting updated | 8.1.3.4 |
| ASM-88362 | SIP Remote worker registered to two data centers through SBC where data centers have two SMs. | Incorrect Actual Location is displayed under User Registration page | 8.1.12.0 |

## Known issues and workarounds in Session Manager 10.2.x.x

### Known issues and workarounds in Session Manager Release 10.2.1.3

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-95136 | Delete filtered adaptation entries | After deleting the filtered entries, filtered output may show inconsistent matching records | Click on Refresh icon to fetch the correct matching records |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-93986 | Execute delete SIP station from CM which has a user in SMGR | Error seen on SMGR | Delete SIP station from SMGR |
| ASM-93888 | CRL configured on SM | /data partition may grow upto 100% causing postgres failure | If /data partition is less than 95%, execute initTM command in Maintenance Window to free the disk space. |
| ASM-93595 | SM and SMGR 10.2.0.1 Installed | Intermittently no data shown on SM dashboard | Refresh the dashboard using Refresh button |
| ASM-93031 | ASM 10.x installed and Cassandra cluster connectivity issues between core SMs. | /var/log/messages file size may grow huge in GB. | Manually clean up the /var/log/messages log files |
| ASM-92906 | HTTPS Proxy Host and Port configured for APN and working.<br>ASM SP/FP Upgraded. | Rarely SM is unable to send CONNECT request to pnp.avaya.com after SP/FP upgrade. | set the instance value to NULL in SMGR DB. |
| ASM-92880 | Run traceSM on SM 10.2.0.1 | The console shows a warning message. | 10.2.0.0 |
| ASM-87752 | NFS partition (remote datastore) is used for ASM performance data | NFS partition did not automatically get remounted after SMGR reboot | Manually mount the NFS partition |
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-84318 | Try to change data retention for Performance Data | Cannot change data retention for Performance Data | None |

### Known issues and workarounds in Session Manager Release 10.2.1.2

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-95136 | Delete filtered adaptation entries | After deleting the filtered entries, filtered output may show inconsistent matching records | Click on Refresh icon to fetch the correct matching records |
| ASM-93986 | Execute delete SIP station from CM which has a user in SMGR | Error seen on SMGR | Delete SIP station from SMGR |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-93888 | CRL configured on SM | /data partition may grow upto 100% causing postgres failure | If /data partition is less than 95%, execute initTM command in Maintenance Window to free the disk space. |
| ASM-93595 | SM and SMGR 10.2.0.1 Installed | Intermittently no data shown on SM dashboard | Refresh the dashboard using Refresh button |
| ASM-93031 | ASM 10.x installed and Cassandra cluster connectivity issues between core SMs. | /var/log/messages file size may grow huge in GB. | Manually clean up the /var/log/messages log files |
| ASM-92906 | HTTPS Proxy Host and Port configured for APN and working.<br>ASM SP/FP Upgraded. | Rarely SM is unable to send CONNECT request to pnp.avaya.com after SP/FP upgrade. | set the instance value to NULL in SMGR DB. |
| ASM-92880 | Run traceSM on SM 10.2.0.1 | The console shows a warning message. | 10.2.0.0 |
| ASM-87752 | NFS partition (remote datastore) is used for ASM performance data | NFS partition did not automatically get remounted after SMGR reboot | Manually mount the NFS partition |
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-84318 | Try to change data retention for Performance Data | Cannot change data retention for Performance Data | None |

### Known issues and workarounds in Session Manager Release 10.2.1.1

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-94883 | Workplace SIP stations registered to SM. | Device data is not shown under User registration page on SMGR | No |
| ASM-94105 | SM 10.1.3.0 Installed | Security Vulnerability in a scan | None |
| ASM-93986 | Execute delete SIP station from CM which has a user in SMGR | Error seen on SMGR | Delete SIP station from SMGR |
| ASM-93888 | CRL configured on SM | /data partition may grow upto 100% causing postgres failure | If /data partition is less than 95%, execute initTM command in |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| | | | Maintenance Window to free the disk space. |
| ASM-93595 | SM and SMGR 10.2.0.1 Installed | Intermittently no data shown on SM dashboard | Refresh the dashboard using Refresh button |
| ASM-93031 | ASM 10.x installed and Cassandra cluster connectivity issues between core SMs. | /var/log/messages file size may grow huge in GB. | Manually clean up the /var/log/messages log files |
| ASM-92906 | HTTPS Proxy Host and Port configured for APN and working.<br>ASM SP/FP Upgraded. | Rarely SM is unable to send CONNECT request to pnp.avaya.com after SP/FP upgrade. | set the instance value to NULL in SMGR DB. |
| ASM-92880 | Run traceSM on SM 10.2.0.1 | The console shows a warning message. | 10.2.0.0 |
| ASM-87752 | NFS partition (remote datastore) is used for ASM performance data | NFS partition did not automatically get remounted after SMGR reboot | Manually mount the NFS partition |
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-84318 | Try to change data retention for Performance Data | Cannot change data retention for Performance Data | None |

### Known issues and workarounds in Session Manager Release 10.2.1.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-94105 | SM 10.1.3.0 Installed | Security Vulnerability in a scan | None |
| ASM-94068 | Add / import adaptation xml file which has two entries with same matching pattern, with different AddressToModify. | overlapping error is displayed | None |
| ASM-93986 | Execute delete SIP station from CM which has a user in SMGR | Error seen on SMGR | Delete SIP station from SMGR |
| ASM-93888 | CRL configured on SM | /data partition may grow upto 100% causing postgres failure | If /data partition is less than 95%, execute initTM command in Maintenance |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| | | | Window to free the disk space. |
| ASM-93686 | Apply filter on adaptation entries, select and Delete adaptation entries | Wrong adaptation entry gets deleted | Select and delete without applying filters |
| ASM-93595 | SM and SMGR 10.2.0.1 Installed | Intermittently no data shown on SM dashboard | Refresh the dashboard using Refresh button |
| ASM-93031 | ASM 10.x installed and Cassandra cluster connectivity issues between core SMs. | /var/log/messages file size may grow huge in GB. | Manually cleanup the /var/log/messages log files |
| ASM-92906 | HTTPS Proxy Host and Port configured for APN and working.<br>ASM SP/FP Upgraded. | Rarely SM is unable to send CONNECT request to pnp.avaya.com after SP/FP upgrade. | set the instance value to NULL in SMGR DB. |
| ASM-92880 | Run traceSM on SM 10.2.0.1 | The console shows a warning message. | 10.2.0.0 |
| ASM-92437 | Upload SM/SMGR MIB to a MIB browser | Upload to MIB browser throws error | 10.1.3.1 |
| ASM-87752 | NFS partition (remote datastore) is used for ASM performance data | NFS partition did not automatically get remounted after SMGR reboot | Manually mount the NFS partition |
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-84318 | Try to change data retention for Performance Data | Cannot change data retention for Performance Data | None |

### Known issues and workarounds in Session Manager Release 10.2.0.1

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-92859 | System with huge number of BSM's in the environment. | SM Dashboard refresh times out with following error<br>"Refreshing status timed out, data displayed may be inconsistent or incorrect" | Restart the management interface with command "restart mgmt" |
| ASM-92809 | multiple rules for the adaptation (starting with same prefix).<br>Apply a filter on the rule and try to delete one rule from the adaptation | A different rule, other than the selected, from that adaptation gets removed. | Delete the adaptation rule without applying filter |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-92802 | more than 2 LHNR entries with same CM IP address. SIP entity with these LHNR entries which has entity link between BSM. | CM entity link with BSM shows down instead of DENY. | None |
| ASM-92609 | Moderate traffic with users associated with User defined snap-ins in Origination and termination leg | Session Manager restarts | None. |
| ASM-92421 | Branch visiting user feature enabled and user logs in foreign branch in Sunny day/Rainy day scenario | The list of PPM controllers doesn't include BSM IP Address or FQDN | Configure BSM IP address manually. |
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-92437 | Upload Session Manger MIBs to SNMP Browser | The SNMP browser throws error stating Overlapped OIDs were found | Give each var bind unique name |
| ASM-91096 | Import adaptations with duplicated entries of dial patterns in the XML file | Adaptation stops working | Remove duplicated entries |
| ASM-9117 | Session Manager 8.1.3.4 with moderate load | Session Manager throws NumberFormatException and restarts | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-81511 | Session Manager with old and new ID certificates have the same Issuer and Root CAs but different CRL Distribution Points (CDP). | SM fails to download the new CRL and fails to validate the ID certificate of the other SM | None |

### Known issues and workarounds in Session Manager Release 10.2.0.0

The following table lists the known issues, symptoms, and workarounds in this release.

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-92609 | Moderate traffic with users associated with User defined snap-ins in Origination and termination leg | Session Manager restarts | None. |
| ASM-92593 | Upgrade from 7.1.3.8 to 10.2 using CLI method | Intermittent failures in restoring certificates | Run initTM post restore |
| ASM-92421 | Branch visiting user feature enabled and user logs in foreign branch in Sunny day/Rainy day scenario | The list of PPM controllers doesn't include BSM IP Address or FQDN | Configure BSM IP address manually. |

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| ASM-87031 | Large number of users registered to the Session Manager | The user registration page intermittently throws connection exception | None |
| ASM-92590 | Aura core system with overlapping dial patterns | Incorrect dial pattern compression and calls cannot be dialed to certain range of extensions | Modify dal pattern to remove overlapping |
| ASM-92437 | Upload Session Manger MIBs to SNMP Browser | The SNMP browser throws error stating Overlapped OIDs were found | Give each var bind unique name |
| ASM-91096 | Import adaptations with duplicated entries of dial patterns in the XML file | Adaptation stops working | Remove duplicated entries |
| ASM-9117 | Session Manager 8.1.3.4 with moderate load | Session Manager throws NumberFormatException and restarts | None |
| ASM-87752 | Session Manager managed by SMGR which has additional storage with NFS and restart SMGR | The NFS configuration need to be manually remounted after an SMGR reboot. | None |
| ASM-81511 | Session Manager with old and new ID certificates have the same Issuer and Root CAs but different CRL Distribution Points (CDP). | SM fails to download the new CRL and fails to validate the ID certificate of the other SM | None |

# Avaya Aura® System Manager

## What's new in System Manager Release 10.2.x.x

The December 23 updated Aura 10.2 KVM OVAs now support the following:

- The KVM OVAs include an *install_vm.py* script to simplify deployment of the KVM OVA
- The *install_vm.py* script now supports the creation of a root login/password
- The CM and AES updated 10.2 KVM OVAs also include support for encryption.

## What's new in System Manager Release 10.2.1.1.0

- VMware ESXi 8.0.3 U3 platform support.

## What's new in System Manager Release 10.2.1.0

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

### What's new in System Manager Release 10.2.0.1

System Manager supports French-Canadian localization from 10.2.0.1 onwards.

### What's new in System Manager Release 10.2

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Security Service Pack

### Security Service Pack

For further information on SSP contents and installation procedures for SMGR 10.2.x, please see **PCN2163S**.

In this release Avaya supports a common version of RedHat Enterprise Linux (RHEL 8.4) for its Avaya Aura platform. Common versions of RPMs are supported and consumed by the components. This results in a change to how security updates are provided for Communication Manager and Application Enablement Services.

**CRITICAL: The Security Service Pack installation framework for SMGR has changed from Release 10.1.x onwards.**
**It is imperative that the instructions in PCN2163S be reviewed for complete steps prior to installation of Security Service Packs on an SMGR 10.2.x system.**
The minimum release of SMGR 10.2.x.x that you must be on in order to install the Security Service Packs for SMGR is 10.2.0.0.
The SSP can only be installed via the command line. There is no Solution Deployment Manager (SDM) Client support for SSP installation.
System Manager Solution Deployment Manager does not support the installation of the Avaya Aura 10.2.x Security Service Packs (SSPs).
In order to install the SSP for SMGR 10.2.x.x, you must use the new command ("av-update-os") and follow the detailed instructions in PCN2163S.
**NOTE:** For Dec 2023, there is no separate Security Service Pack installer for 10.2 release. The Dec 2023 10.2 release is equivalent to the SMGR 10.1 Oct 2023 SSP#18 release with respect to security rpms. There will be separate SSPs released for 10.1 and 10.2 (please note that 10.1 SSPs won't work on 10.2 release).
**SSPs cannot be installed on "software-only" deployments.**

## Managing ASP using SDM in 10.2.x.x

### Avaya Solutions Platform S8300 Release 5.1

- To add an ASP S8300 Release 5.1 host in SDM Application Management, use the FQDN only.

Do not add an ASP S8300 Release 5.1 host using the IP address.

- After regenerating Certificate for ASP S8300 5.1 host from SDM Application Management, the 'Offer Type' column in the 'Platforms' tab displays the value as "Customer VE" and the 'Platform Type' column in 'Applications' tab does not display any information.
  Ensure that you remove that ASP S8300 5.1 host from the 'Platforms' tab and again add the same host using the 'Platforms' tab.

- Following are the supported profiles for migrating Communication Manager and Branch Session Manager on Avaya Solutions Platform S8300 Release 5.1:
  - For Communication Manager (LSP): CM Main Max User 1000' and 'CM Survivable Max User 1000'
  - For Branch Session Manager: 'BSM Profile 1 Max Devices 1,000'.

  Do not select any other profile that displays in Flexi Footprint drop-down field on the Pre-upgrade Configuration page and Edit Upgrade Configuration page of SMGR-SDM Upgrade Management page.

## Required artifacts for System Manager Release 10.2.1.3

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| System_Manager_10.2.1.3_r1021317668.bin | SMGR10213GA01 | 1400 | 10.2.1.3.1021317668 | SMGR 10.2.1.3 GA bin |
| Avaya_SDMClient_win64_10.2.1.3.0040592_1.zip | SMGR10213GA02 | 265 | 10.2.1.2.0040592_1 | SDM Client for System Manager 10.2.1.3 |
| System_Manager_Datamigration-10.2.0.0.4-83.bin | SMGR10213GA03 | 7.7 | 10.2.0.0.4-83 | Data Migration utility for System Manager 10.2.X.<br>For more details on Data Migration Utility fixes, see the "Fixes in System Manager 10.2.1.3" section. |

## Required artifacts for System Manager Release 10.2.1.2

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| System_Manager_10.2.1.2_r1021217595.bin | SMGR10212GA01 | 1400 | 10.2.1.2.1021217595 | SMGR 10.2.1.2 GA bin |
| Avaya_SDMClient_win64_10.2.1.2.0040467_1.zip | SMGR10212GA02 | 265 | 10.2.1.2.0040467_1 | SDM Client for System Manager 10.2.1.2 |
| ~~System_Manager_Datamigration-10.2.0.0.4-81.bin~~ | ~~SMGR10212GA03~~ | ~~7.7~~ | ~~10.2.0.0.4-81~~ | ~~Data Migration utility for System Manager 10.2.X.~~<br>~~For more details on Data Migration Utility fixes, see the "Fixes in System Manager 10.2.1.2" section.~~ |

## Required artifacts for System Manager Release 10.2.1.1

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| System_Manager_10.2.1.1_r1021117440.bin | SMGR10211GA01 | 1400 | 10.2.1.1_1021117440 | SMGR 10.2.1.1 GA bin |
| Avaya_SDMClient_win64_10.2.1.1.0040422_5.zip | SMGR10211GA02 | 265 | 10.2.1.1.0040422_5 | SDM Client for System Manager 10.2.1.1 |

| | | | | |
|---|---|---|---|---|
| ~~System_Manager_Datamigration-10.2.0.0.4-81.bin~~ | ~~SMGR10211GA03~~ | ~~7.7~~ | ~~10.2.0.0.4-81~~ | ~~Data Migration utility for System Manager 10.2.X.~~<br>~~For more details on Data Migration Utility fixes, see the "Fixes in System Manager 10.2.1.1" section.~~ |

## Required artifacts for System Manager Release 10.2.1.0

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| System_Manager_10.2.1.0_r1021117280.bin | SMGR1021GA01 | 1400 | 10.2.1.0_1021117280 | SMGR 10.2.1.0 GA bin |
| Avaya_SDMClient_win64_10.2.1.0.0040270_5.zip | SMGR1021GA02 | 265 | 10.2.1.0.0040270_5 | SDM Client for System Manager 10.2.1.0 |
| ~~System_Manager_Datamigration-10.2.0.0.4-80.bin~~ | ~~SMGR1021GA03~~ | ~~7.7~~ | ~~10.2.0.0.4-80~~ | ~~Data Migration utility for System Manager 10.2.X.~~<br>~~For more details on Data Migration Utility fixes, see the "Fixes in System Manager 10.2.1.0" section.~~ |
| AV-SMGR10.2-RHEL8.10-OSUpdate-005.tar.bz2 | SMGR1021GA04 | 715 | RHEL 8.10 | RHEL 8.10 OS |

| | | | | |
|---|---|---|---|---|
| | | | | Bundle for SMGR |
| ~~SMGR-10.2.0.0.439670-KVM-4E.ova~~ | ~~SMGR102GA09~~ | ~~5925~~ | ~~010.2.0.0.43967~~ | ~~SMGR profile 2 KVM OVA~~ |
| ~~SMGR-PROFILE3-10.2.0.0.439670-KVM-4E.ova~~ | ~~SMGR102GA10~~ | ~~5744~~ | ~~010.2.0.0.43967~~ | ~~SMGR profile 3 KVM OVA~~ |
| ~~SMGR-PROFILE4-10.2.0.0.439670~~ | ~~SMGR102GA11~~ | ~~5785~~ | ~~010.2.0.0.43967~~ | ~~SMGR profile 4 KVM OVA~~ |
| SMGR-10.2.0.0.439670-KVM-4E-1.ova | SMGR102GA12 | 5925 | 10.2.0.0.439670 | SMGR profile 2 KVM OVA |
| SMGR-PROFILE3-10.2.0.0.439670-KVM-4E-1.ova | SMGR102GA13 | 5744 | 10.2.0.0.439670 | SMGR profile 3 KVM OVA |
| SMGR-PROFILE4-10.2.0.0.439670-KVM-4E-1.ova | SMGR102GA14 | 5785 | 10.2.0.0.439670 | SMGR profile 4 KVM OVA |

**Note:** Replacing the KVM OVAs to cover the script-based deployment method. The procedure is documented in the deployment guide.

### Required artifacts for System Manager Release 10.2.0.1

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| System_Manager_10.2.0.1_r1020116918.bin | SMGR10201GA1 | 1741 | 10.2.0.1_1020116918.bin | SMGR 10.2.0.1 GA bin |
| Avaya_SDMClient_win64_10.2.0.1.0039809_2.zip | SMGR10201GA2 | 266 | 10.2.0.1.0039809_2 | SDM Client for System Manager 10.2.0.1 |
| ~~System_Manager_Datamigration-10.2.0.0.4-74.bin~~ | ~~SMGR10201GA3~~ | 8 | 10.2.0.0.4-74 | ~~Data Migration utility for System Manager 10.2.X.~~<br>~~For more details on Data Migration Utility fixes, see the "Fixes in System Manager 10.2.0.1" section.~~<br>**Note** - Refer Required artifacts for System |

| | | | | |
|---|---|---|---|---|
| | | | | Manager Release 10.2.1.0 for new DM utility. |

### Required artifacts for System Manager Release 10.2

The following section provides the System Manager downloading information. For deployment and upgrade procedures, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| SMGR-10.2.0.0.439670-e70-46E.ova | SMGR102GA01 | 5100 | 10.2.0.0.439670 | Avaya Aura® System Manager 10.2 (Profile 2) OVA |
| SMGR-PROFILE3-10.2.0.0.439670-e70-46E.ova | SMGR102GA02 | 5000 | 10.2.0.0.439670 | Avaya Aura® System Manager 10.2 High Capacity (Profile 3) OVA |
| SMGR-PROFILE4-10.2.0.0.439670-e70-46E.ova | SMGR102GA03 | 5300 | 10.2.0.0.439670 | Avaya Aura® System Manager 10.2 High Capacity (Profile 4) OVA |
| AvayaAuraSystemManager-10.2.0.0.439670_v46.iso | SMGR102GA04 | 3900 | 10.2.0.0.439670 | Avaya Aura® System Manager 10.2 Software Only ISO |
| System_Manager_R10.2.0.0_S4_102016624.bin | SMGR102GA05 | 683 | 10.2.0.0.0416624 | Avaya Aura® System Manager 10.2 Mandatory Patch bin file Post OVA deployment / Data Migration |
| Avaya_SDMClient_win64_10.2.0.0.0439696_9.zip | SMGR102GA06 | 266 | 10.2.0.0.0439696 | Avaya Aura® SDM client for System Manager 10.2 |

**Note:** The deployment of Avaya Aura® applications as Software-only is available but a restricted offer for net new deployments and requires Avaya Aura® BU approval before proceeding. If you have a business requirement to deploy Avaya Aura® as Software-only, please get in touch with your Avaya Sales team. Existing customers using software only deployments continue to be supported.

### Required patches for System Manager Release 10.2.x.x

For information about patches and product updates, see the Avaya Technical Support Web site https://support.avaya.com.

**Note:** Please ensure that you run any required pre-upgrade patch for other Avaya Aura applications before upgrading System Manager.

**Note:** To preserve full system connectivity, it may be necessary to apply a pre-upgrade patch to each Session Manager in the network BEFORE updating System Manager to release 10.2. This is necessary only if BOTH the following conditions apply:

- Session Manager is on release 8.1.X
- Security Service Pack #12 or #13 have been applied to Session Manger

In this case, you must apply Security Service Pack #14 or later to each Session Manager - prior to initiating the 10.2 upgrade of System Manager.

**Download Data Migration Utility**

This section gives the download information. For deployment and upgrade procedure, see product-specific deployment and upgrade documents on the Avaya Support website.

**Note:** The data migration utility is required only if you are upgrading from System Manager 7.x, 8.x. and 10.1.x Ensure that you run the data migration utility only on release 10.2. For more information, see Upgrading Avaya Aura® System Manager.

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| ~~datamigration-10.2.0.0.4-72.bin~~ | ~~SMGR102GA07~~ | 7.6 | 10.2.0.0.4-72 | Data Migration utility for System Manager 10.2.x.<br>**Note** - Refer Required artifacts for System Manager Release 10.2.1.3 for new DM utility. |

## Must read

1. Customer should either use an 'Alternate Source' or 'Use Avaya Support Site' option available under User Settings page before doing Refresh Families on SMGR SDM.
2. System Manager Web Console will not be launched If System Manager using certificates that have SHA1 or 1024 RSA keys in the certificate chain. Please check workarounds provided by browsers so that System Manager web console is accessible.
3. If System Manager is upgraded to Release 10.2 and AADS is on Release 10.1.1.1 or earlier, Data replication fails between System Manager and AADS. For more information, see PSN006192u.
4. For rebooting System Manager note the following:

   **Important:**

   If you configured a NFS mount on System Manager for Session Manager Performance Data (perfdata) collection, then, if and when you reboot/boot System Manager virtual machine, you need to ensure that you manually re-mount the NFS store once the System Manager VM is up and you are able to log in to the VM through SSH. Failure to re-mount the NFS partition will result in the Session Manager perfdata to go, by default, into a folder which is in the root (/) partition of the System Manager file system. This might cause the partition to get full which in-turn might cause issues with the System Manager application.
5. For Release 10.2 GA Installation:
   - Fresh: Deploy 10.2 GA OVA + Apply 10.2 GA Mandatory Patch bin.
   - Upgrade: Deploy 10.2 GA OVA + Execute Data Migration along with 10.2 GA Mandatory Patch bin.

It is required to apply the latest GA patch, Service Pack, or Feature Pack. For information, see PCN2162S

6. To verify that the System Manager installation is ready for patch deployment, do one of the following:
   - On the web browser, type https://<Fully Qualified Domain Name>/SMGR and ensure that the system displays the System Manager login webpage.

The system displays the message: Installation of the latest System Manager Patch is mandatory.

- On the Command Line Interface, log on to the System Manager console, and verify that the system does 'not' display the message:
  `Maintenance: SMGR Post installation configuration is In-Progress.`

  It should only display the message: `Installation of latest System Manager Patch is mandatory.`

7. Perform the following steps to enable EASG on System Manager 10.2:
   - To enable EASG on System Manager via Command Line Interface via Cust user type the following command:
     `# EASGManage --enableEASG`
   - To disable the EASG on System Manager type the following command:
     `# EASGManage –disableEASG`
8. For VMware to VE System Manager Upgrade, remove all the snapshots from old VMware System Manager; otherwise, rollback operation will fail.
9. The versions*.xml is published on PLDS. To download the latest versions.xml file for SUM, search on PLDS using Download PUB ID "SMGRSUM0001" only. Do not use version or product on PLDS in the search criteria.
10. Breeze Element Manager in System Manager 10.2 is called Breeze 3.9.0.0
11. System Manager no longer supports Profile 1 from Release 8 onwards. If you are upgrading from Profile 1 in Releases 7.x, you will have to select Profile 2 or higher while installing R10.x. Note that Profile 2 will require more VM resources compared to Profile 1.
12. If you need to configure IP Office branches beyond 2000 with a single System Manager, please contact Avaya Technicenter.
13. The Update/Patch operation of Avaya Aura elements on Software Only Platform is not supported through System Manager Solution Deployment Manager considering limited support of System Manager Solution Deployment Manager to Avaya Aura elements on Software Only Platform for update/patch, it is recommended to use element CLI method for the update/patch operation.
14. The features to push, view, and delete syslog server profile on virtual machine is supported only for AVP Utilities, System Manager (through Solution Deployment Manager Client), and Session Manager applications.

### Software information

| Software | Version | Note |
|---|---|---|
| Database | Postgres 13.7 | Used as a System Manager database. |
| OS | RHEL 8.4 64 bit | Used as the operating system for the System Manager OVA.<br>It is required in the case of Software Only deployment. |
| Open JDK | 1.8 update 382 64 bit | For Solution Deployment Manager Client, Open JDK 1.8.0-java-1.8.0-openjdk-1.8.0.382 |
| Application Server | WildFly AS 26.1.0 Final | |
| Supported Browsers | Chrome (minimum version 117.0) | Earlier versions of Chrome are not supported |
| | Edge (minimum version 117.0) | Earlier versions of Edge are not supported |
| | Firefox (minimum version 118.0) | Earlier versions of Firefox are no longer supported. |

| Software | Version | Note |
|---|---|---|
| VMware vCenter Server, ESXi Host | 7.0.X, 8.0, 8.0 Update 2 | Earlier versions of VMware are no longer supported.<br>Avaya Aura® Release 10.2.x supports VMware 8.0 and VMware 8.0 Update 2.<br>Avaya Aura® Release 10.2.x does not support VMware 8.0 Update 1. For information about known issues, see VMware 8.0 Update 1 Release Notes on the VMware website at https://docs.vmware.com/en/VMware-vSphere/8.0/rn/vsphere-6vcenter-server-801-release-notes/index.html. |
| SDM Client Application Server | Tomcat 8.5.39 | |
| SDM Client Supported OS | Windows 7, 8, 10, 11<br>Windows Server 2016, 2019, 2022 | |

Adobe Flash EOL impact:

Starting System Manager release 7.1.1 Adobe Flash is not used in System Manager UI so there is no impact of Adobe Flash going End of Life.

### How to find a License Activation Code (LAC) in PLDS for a product.

- Log in to the PLDS at https://plds.avaya.com.
- From the Assets menu, select View Entitlements.
- In the Application field, select System Manager.
- Do one of the following:
  - To search using group ID, in the Group ID field, enter the appropriate group ID.
    **Note**: All group IDs are numeric without any leading zeros.
  - To search using the SAP order number, click Advanced Search, and in the Sales/Contract # field, enter the SAP order number.
- Click Search Entitlements.
  The system displays the LAC(s) in the search results.

## Installation for System Manager Release 10.2.x.x

### Backing up the software

Refer to the System Manager Backup and Restore section of the *Administering Avaya Aura® System Manager* document at: https://support.avaya.com

### Installing the System Manager software

For detailed information about installing System Manager, see Avaya Aura® System Manager deployment documents at: https://support.avaya.com

### Upgrading the System Manager software

For detailed information about upgrading System Manager, see *Upgrading Avaya Aura® System Manager* at: https://support.avaya.com

**Note 1**: If System Manager is upgraded to Release 10.2 and AADS is on Release 10.1.1. or earlier, Data replication fails between System Manager and AADS. For more information, see PSN006192u.

**Note 2:** To preserve full system connectivity, it may be necessary to apply a pre-upgrade patch to each Session Manager in the network BEFORE updating System Manager to release 10.2. This is necessary only if BOTH the following conditions apply:

1. Session Manager is on release 8.1.X

2. Security Service Pack #12 or #13 have been applied to Session Manager

In this case, you must apply Security Service Pack #14 or later to each Session Manager - prior to initiating the 10.2 upgrade of System Manager.

## Troubleshooting the installation

Execute the following command from System Manager Command Line Interface with customer user credentials to collect logs and contact the Avaya Support team.

```
#collectLogs -Db-Cnd
```

This will create a file (LogsBackup_xx_xx_xx_xxxxxx.tar.gz) at /swlibrary location.

## Fixes in System Manager 10.2.1.3

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-78427 | Data Migration | Virtual FQDN(vFQDN) values is not getting updated properly at all places after upgrade from 10.1.x to 10.2.x | 10.2.1.1.0 |
| SMGR-78694 | Infrastructure | SecurityHardenningOptions --showstate show invalid minimum TLS version on System Manager 10.2.x release | 10.2.0.1.0 |
| SMGR-78612 | User Management | Reset password button is not working in self-provisioning workflow for certificate-based login mode. | 10.2.1.2.0 |
| SMGR-78524 | Communication Manager Management | Editing Scheduled details through "edit report" scenario, doesn't push updated details to scheduler. | 10.2.0.1.0 |
| SMGR-78530 | Communication Manager Management | "Redirect on No Answer (rings)" field on hunt form cannot be reset to blank from System Manager. | 10.1.3.5.0 |
| SMGR-78527 | Communication Manager Management | Provided validation to block Comma(,) in Button labels. | 10.2.0.1.0 |
| SMGR-78593 | Communication Manager Management | Support below basic report commands for media servers.<br>1. list media-server,<br>2. display media-server,<br>3. list measurements ip dsp-resource ms summary yest<br>4. list measurements ip dsp-resource ms summary today | 10.1.3.2.0 |
| SMGR-78646 | Communication Manager Management | Missing "status media-server" command in Basic report | 10.1.3.2.0 |
| SMGR-78596 | Communication Manager Management | Notify Sync Job gets corrupted during upgrades. | 10.2.1.2.0 |
| SMGR-78649 | Communication Manager Management | Endpoint values getting reset to default values when endpoint editor is opened more than once. | 10.2.0.0.0 |

## Fixes in System Manager 10.2.1.2

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-77236 | Geo Redundancy | Geo Redundancy Health goes down intermittently. | 10.1.3.3.0 |
| SMGR-77745 | Administrator | Prevent Auto Population of login password when user ID is provided. | 10.2.0.0.0 |
| SMGR-77927 | Backup and restore | Unable to restore system backup due to multiple requests being processed during restore process. | 10.2.0.1.0 |
| SMGR-78005<br>SMGR-71426 | Administrator | Unable to re-configure UCM service due to “systemctl status” and file clean issues. | 10.2.1.0.0 |
| SMGR-78164 | Licenses Manager | Licensing Manager doesn't handle duplicate license requests from the same application with the same request ID. | 10.1.3.2.0 |
| SMGR-78162 | Infrastructure | Encryption Enabled deployments require 30+ minutes to come up and run after reboot. | 10.2.1.1 |
| SMGR-78253 | Geo Redundancy | Geo Redundancy configuration failed if system is configured with 3rd party certificates. | 10.2.1.0.0 |
| SMGR-78273 | Security Management | Certificate Renewal utility is not working if log level is enabled to Info Level. | 10.2.1.2.0 |
| SMGR-78252 | User Management | User Provisioning Rule, with Messaging Profile enabled, will fail for user subsequent updates. | 10.1.3.4.0 |
| SMGR-78286 | Administrator | A numeric digit is not allowed as the starting character of the host name or domain name for an external authentication server. | 10.2.1.0.0 |
| SMGR-78295 | Schedular Management | Job "PurgeAgedExportUserJobDataRule" execution fails. | 10.2.0.1.0 |
| SMGR-78404 | Geo Redundancy | Geo-redundancy file replication failure observed in cross platform deployments. | 10.2.1.1.0 |
| SMGR-77953 | Communication Management | Blank page intermittently while viewing CM/Network/ARS digit conversion pages. | 10.2.0.1.0 |
| SMGR-78178 | Communication Management | Incremental sync does not execute after installing any patches. | 10.2.1.0.0 |
| SMGR-78249 | Communication Management | Clicking on Migrate Endpoints button does not work properly. | 10.2.1.0.0 |
| SMGR-75082 | Communication Management | Broadcast of announcement from MG to AMS Fails. | 10.1.3.1.0 |

| | | | |
|---|---|---|---|
| SMGR-78311 | Communication Management | Login Name change through LDAP sync OR xml import fails if user is associated with Communication Manager profile. | 10.2.1.1.0 |
| SMGR-78366 | Communication Management | Cannot add announcement from SMGR which includes characters “wav” as part of an announcement name. | 10.2.0.1.0 |
| SMGR-78456 | Communication Management | When creating agent profiles by selecting Agent profile as "Agent" and selecting "Use existing agents", if you display extension ranges the endpoint extension ranges are displayed and not existing Agent login IDs. | 10.1.0.0.0 |

## Fixes in System Manager 10.2.1.1

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-77759 | Infrastructure | changePublicIPFQDN & changeIPFQDN utilities not working properly. | 10.2.0.0.0 |
| SMGR-77747 | Infrastructure | Provide utility to disable “hmac-sha1’ algorithm. | 10.1.3.3.0 |
| SMGR-77524 | Infrastructure | changeIPFQDN utility should abort if etc/hosts file doesn’t have System manager entries. | 10.2.0.0.0 |
| SMGR-77452 | Infrastructure | exportUpmGlobalsettings.sh is not working on 8.1.x and 10.x SMGR. | 10.1.3.1.0 |
| SMGR-77439 | Geo Redundancy | Log Messages dumping every 5 minutes in log viewer even after the GR replication is successfully enabled. | 10.2.0.1.0 |
| SMGR-77261 | Data Migration | check the values of FQDN and public interface FQDN (eth1) while configuring OOBM | 10.2.0.1.0 |
| SMGR-76983 | Data Migration | Upgrade to 10.2.x fails when OOBM is configured. | 10.2.0.1.0 |
| SMGR-77242 | Upgrade Management | Host Refresh fails after vCenter mapping. | 10.2.0.0.0 |
| SMGR-77519 | Upgrade Management | SDM System Manager upgrades hang when network name has a network label with more than 50 characters. | 10.2.0.1.0 |
| SMGR-52765 | Data Replication Management | During initial load JMX connection attempt timeout not logged, and no attempt made to cleanup connection attempt threads | 8.1.0.0.0 |
| SMGR-77042 | User Management | Custom user cannot view/edit/add/delete public contacts. | 10.1.3.2.0 |
| SMGR-77635 | Trust Management | Unable to create Entity Class if Email Configuration Properties under SPM is blank | 10.1.3.1.0 |
| SMGR-70288 | OfficeLinx Management | Officelinx data should not be cleared from SMGR if SMGR is not able to retrieve data from officelinx server. | 8.1.3.4.0 |
| SMGR-77564 | Communicatio n Management | Global Search component does not work after Breeze EM installation. | 10.1.3.3.0 |

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|---|---|---|---|
| SMGR-77771 | Communication Management | Favorites, Labels and profiles data is not sent from SMGR to SM when add user operation is executed with "use existing endpoint" and H323 station is changed from H323 to SIP | 10.1.3.4.0 |
| SMGR-77853 | Communication Management | Converting H323 endpoints (with dual reg flag enabled) to SIP causing issues. | 10.1.2.0.0 |
| SMGR-77678 | Communication Management | Detailed report for VDN doesn't include all VDNs in the report. | 10.1.3.1.0 |
| SMGR-77839 | Communication Management | Detailed report for endpoint fails if building field is included. | 10.1.3.0.1 |
| SMGR-78028, SMGR-77828 | Communication Management | SMGR web API is not working for template change scenarios. | 10.1.3.1.1 |
| SMGR-78024 | Communication Management | Generate alarm for INIT/INCR/NOTIFY sync failures | 10.1.3.1.0 |

## Fixes in System Manager 10.2.1

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-75104 | User Management | "No data" on Manage User page after committing OR canceling removing CM comm profile for user | 10.1.3.1 |
| SMGR-76039 | User Management | Time zone field on user identity page does not get updated post DST change. | 10.1.2.0 |
| SMGR-76901 | User Management | Error when using "Use Existing Endpoints" option for converting H323 endpoint to J179 while user add operation | 10.1.3.1 |
| SMGR-75466 | User Management | Custom user who doesn't have permissions for Alarm page can view and check alarms by clicking Alarm Widget on Home page. | 10.1.3.2 |
| SMGR-75435 | User Management | Custom user with view only permissions to Directory synchronization can edit/delete LDAP configuration and view option is missing from Directory Synchronization page. | 10.1.3.1 |
| SMGR-75085 | User Management | Session Logout Warning message(pop-up) missing from System Manager 8.1.x and 10.x release | 8.1.3.8 |
| SMGR-71870 | User Management | Edge and Chrome browsers give "Leave site?" popup when adding/editing VDNs/Announcements/Endpoint templates | 10.1.0.1 |
| SMGR-61975 | User Management | Unable to login to SMGR CLI using users that are created by User Management after you enabled Command Line access for them. | 8.1.3.1 |
| SMGR-74757 | User Management | "no action" on commit button click during duplicate user operation. | 10.1.3.1 |

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|---|---|---|---|
| SMGR-74296 | User Management | Custom users with view only permissions can add, edit and delete UPRs | 10.1.3.1 |
| SMGR-76860 | Administration | Null Pointer exception while accessing selfprovisioning with bad OOBM configuration. | 10.1.3.3 |
| SMGR-75853 | Administration | Unable to delete announcement from global search options. | 10.1.3.2 |
| SMGR-76857 | Officelinx Element Management | Officelinx communication profile creation issue if mailbox # received with dashes from LDAP during LDAP sync activity. | 10.1.3.1 |
| SMGR-75946 | OfficeLinx Element Management | Officelinx password resets to last (which is set from SMGR) password during AD sync during some rollback scenarios. | 10.1.3.0 |
| SMGR-75086 | Officelinx Element Management | User update through LDAP sync, failure noticed in case user is associated with officelinx communication profile. | 10.1.3.1.1 |
| SMGR-75840 | Backup and Restore Management | Restore backup is failing in case backup was taken from System where sdpdefault service certificate replaced with external CA. | 10.2.0.0 |
| SMGR-75518 | Security Management | Access to internal resources of SMGR via SSRF vulnerability | 10.1.3.0 |
| SMGR-50333 | Security Management | After running changeVFQDN, old vFQDN still appears in CRL Distribution Points & Authority Information Access | 8.0.1.1 |
| SMGR-74194 | Security Management | Administrative User unable to run the command ‘manageEntityClassWhitelist’ when CLI access is enabled through UI. | 10.1.3.3 |
| SMGR-75468 | Software Upgrade Management | CM_Custom_Patch option missing from SDM Sync Files | 10.1.3.0 |
| SMGR-73979 | Infrastructure | After reboot, Encrypted SMGR deployment is taking 30 minutes to enter passphrase code for boot | 10.1.3.0 |
| SMGR-75463 | Infrastructure | ‘status_vm’ showing incorrect information for Software-Only Installation | 10.1.3.0 |
| SMGR-75066 | Infrastructure | Unable to change the Subnet on SMGR 10.x using changeIPFQDN utility. | 10.1.3.1 |
| SMGR-75616 | Self Provisining | No option to reset the communication profile password through self-provisioning if certificate authentication is used | 10.1.3.2 |
| SMGR-76034 | Licensing | Licensing Page is not launching when access via ESAG/administrator user in spite of earlier session is closed. | 10.1.3.3 |
| SMGR-74541 | Geo Redundancy | Geo shows enabled even though database replication is not working. | 10.1.3.1 |

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|---|---|---|---|
| SMGR-76996 | Geo Redundancy | Unable to disable Geo Redundancy from Primary SMGR in spite of secondary was in disabled state. | 10.1.3.2 |
| SMGR-74769 | Fault Management | Server.log shows Unable to retrieve user information. Users file is corrupted | 10.1.3.1 |
| SMGR-75034 | Schedular Management | UserMgmtJob failed to execute with error "Caused by: java.lang.NoClassDefFoundError: com/nortel/ems/mgmt/quantum/userRoleManagement/dto/UserInfo" | 10.1.0.0 |
| SMGR-74267 | Fault Management | Log Retention on SMGR Not working | 10.1.2.0 |
| SMGR-75609 | Data Migration | 8.1.3.6 to 10.1.2.0 upgrade fails because of migration scripts. | 10.1.2.0 |
| SMGR-76076 | Data Migration | Block data migration in case of eth0 value missing. | 10.2.0.0 |
| SMGR-75301 | Data Migration | Cannot edit user after upgrade from 8.1.3.x to 10.2 due to Conferencing stale entries in the database. | 10.2.0.0 |
| SMGR-75437 | Data Migration | Data migration from 7.1.x to 10.2.x fails in some scenarios. | 10.2.0.0 |
| SMGR-75610 | Communication Manager | "Next Path Number" is being auto filled when editing/adding Coverage Path in SMGR | 10.1.3.2 |
| SMGR-76929 | Communication Manager Management | Users not able to add OR edit coverage path from SMGR Native page | 10.2.0.1 |
| SMGR-75357 | Communication Manager | Due to stale entry in database if SIP endpoint is removed from CM directly and SMGR doesn't show it in available extension list. | 10.1.3.1 |
| SMGR-75374 | Communication Manager | Feature button #1 go blank on import and webservice scenarios. | 10.1.2.0 |

### Fixes in System Manager 10.2.0.1

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-75086 | OfficeLinx Element Management | User with officelinx communication profile update failure with LDAP synchronization. | 10.1.3.1.1 |
| SMGR-73984 | Geo Redundancy Management | Database partition size increase in one of the case where GEO is auto disabled. | 10.1.3.0 |
| SMGR-73834 | Geo Redundancy Management | Geo Auto-Disable gets triggered when System Manager hostname includes capitals letters. | 10.1.3.1 |
| SMGR-74457 | Infrastructure Management | CVE-2021-23926 -XMLBeans 3.0.0 upgrade | 10.1.x |

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|---|---|---|---|
| SMGR-74443 | Infrastructure Management | Updating DNS entries using “changeIPFQDN” utility does not work as expected. | 10.1.3.1 |
| SMGR-74282 | Infrastructure Management | System Manager is sending out DNS query to public root hints server list. | 10.1.2.0.1 |
| SMGR-73759 | Inventory Management | Unable to Un-assign CM Cluster from AES Element in Inventory - Manage Elements. | 10.1.0.2 |
| SMGR-72106 | Inventory Management | Unable to disable SNMP from Manage Elements for CM record. | 10.1.0.0, 8.1.3.6 |
| SMGR-75055 | Schedular Management | Disable “sys_ConfRefreshConfig” Job if MX/Meeting Exchange and Conferencing 6.0 device type is not configured on SMGR. | 10.1.3.2 |
| SMGR-75216 | Upgrade Management | IPO branch upgrade to 12.0.0.0 release failure in SMGR 10.2 release. | 10.2.0.0 |
| SMGR-74774 | Upgrade Management | SMGR upgrade failure when upgrade done from 8.1.12 and higher release to 10.1 or 10.2 release. | 8.1.3.5 |
| SMGR-74420 | Administration Management | External Authentication Page is blank after upgrade to 10.1.x or 10.2.x release. | 10.1.3.0 |
| SMGR-70759 | User Interface Management | Cannot resize the pop-up and must use scroll bars to get to the import button. | 8.1.3.3 |
| SMGR-74671 | User Management | OfficeLinx communication profile mailbox number shows wrong value when creating user through UPR on SMGR 10.1.x and 10.2 release | 10.1.3.2 |
| SMGR-74494 | Self-Provisioning Management | Self-Provisioning password reset email contains OOBM FQDN(eth0) instead of Public FQDN(eth1) when OOBM is configured. | 10.1.2.0 |
| SMGR-74891 | User Management | The User's OfficeLinx Communication Profile is disabled after editing & committing on existing user in SMGR 10.1.x and 10.2 release | 10.1.3.2 |
| SMGR-75080 | User Management | Old browser supported version showing on self-provisioning page | 10.1.3.2 |
| SMGR-74476 | User Management | Global Search stopped working for custom users after SMGR upgraded to 10.1.3.1 + hotfix release. | 10.1.3.1 |
| SMGR-74449 | Infrastructure Management | Added pre-check in patch installation to make sure database is connected when super user mode is enabled, if not then abort patch installation. | 10.1.x |

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|---|---|---|---|
| SMGR-72420 | Geo Redundancy Management | File Replication flag is displayed incorrect on Secondary after executing “pairIPFQDNchange” utility. | 8.1.3.7 |
| SMGR-74493 | Licensing Management | Support to install 50 licenses file per SMGR(WebLM) server. | 10.1.3.0 |
| SMGR-74967 | Communication Manager Management | 'Trunk' and 'Off-pbx-telephone extension' missing from basic status reports in 10.1.3.x and later | 10.1.3.0 |
| SMGR-74861 | Communication Manager Management | SMGR doesn't show MWI status for "Status station" command | 10.1.2.0 |
| SMGR-74539 | Communication Manager Management | Broadcast announcements don’t work if AMS is configured with ipv6 address. | 10.1.3.1.0 |
| SMGR-74444 | Communication Manager Management | Appropriate language is not populated in the "Multibyte Language" field through User Management operations | 10.1.3.1.0 |
| SMGR-74409 | Communication Manager Management | "Turn on mute for remote off hook attempt" and few more fields missing from 10.1.x Endpoint template fields | 10.1.3.0 |
| SMGR-74248 | Communication Manager Management | Incremental sync stops working after 10.1.3.x upgrade | 10.1.3.1.0 |
| SMGR-74218 | Communication Manager Management | CM synch radio buttons are grayed out for first attempt on opening Synchronization page. | 10.1.2.0 |
| SMGR-73978 | Communication Manager Management | If a SIP user is added with CM endpoint profile of type Agent, then if we edit the Agent and save it fails with error entity not managed | 10.1.3.1.0 |
| SMGR-72521 | Communication Manager Management | In Report Generation Page, in dropdown of application field, there aren't any CM displayed for the user to choose | 8.1.3.7 |
| SMGR-71870 | User Interface | Edge and Chrome browsers give "Leave site?" popup when adding/editing Announcement and Endpoint templates | 10.1.0.1 |

### Fixes in System Manager 10.2.0.0

The following table lists the fixes in this release:

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-72414 | Geographic Redundancy Management | Secondary System Manager shows licensing error for Geographic Redundancy due to duplicate license | 7.1.3.3 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-73045 | Self-Provisioning Management | "Reset Password" button on self-provisioning no longer works correct | 8.1.3.5.1 |
| SMGR-72574 | Infrastructure Management | Duplicate http headers | 10.1.0.1 |
| SMGR-71854 | Infrastructure Management | Memory leak due to invalid SNMP cloned user data. | 8.1.3.3 |
| SMGR-69122 | User Management | AD-sync wipes all secondary communication profile set values | 10.1.0.0 |
| SMGR-69526 | Administration Management | User Certificate Authentication broken | 8.1.3.3 |
| SMGR-67880 | Installer Management | OVA to OVA upgrade fails if old System Manager's fully qualified domain name is a subset of new System Manager's fully qualified domain name | 8.1.3.1 |
| SMGR-67962 | User Management | Advanced user search filter gives wrong results when both E164 handle, and first name are added to filter | 8.1.3.3 |
| SMGR-69288 | User Management | Group details vanish if you switch to any other tab post entering it. | 8.1.3.3 |
| SMGR-69538 | Console Management | Navigation Menu Shortcuts on the System Manager Dashboard are not intuitive | 8.1.3.3 |
| SMGR-69577 | User Management | Able to export more users that available limit for a particular role | 8.1.3.3 |
| SMGR-69921 | Administration Management | Users created using Graphical User Interface with option "Enable Command Line Access" are not able to login to Command Line Interface post upgrade | 8.1.2.0.1 |
| SMGR-70096 | Infrastructure Management | ChangeIPFQDN is not updating new FQDN value in Database configuration files | 8.1.3.3 |
| SMGR-71421 | Geo Redundancy Management | GEO enabled status shows successful while it has failed when checked in backend logs | 8.1.3.3 |
| SMGR-55507 | Alarming Management | Logs database should be part of audit partition post upgrade. | 8.1.2.0.1 |
| SMGR-72539 | Administration Management | Old User Management menu is shown post migration. | 8.1.3.1 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-71410 | User Management | Clear Text password not sent through email for Self-Provisioning when Password is reset | 10.1.0.1 |
| SMGR-71824 | Geo Redundancy Management | Enable replication fails on secondary System manager | 10.1.0.2.1 |
| SMGR-72515 | Upgrade Management | Data migration fails on 10.1.x release when different IP address/ Fully Qualified Domain Name is used | 10.1.0.0 |
| SMGR-70649 | Console Management | Unable to select more than 500 users | 8.1.3.0 |
| SMGR-72824 | Multi Tenancy Management | Automatic creation of tenant with dummy user import fails | 10.1.0 |
| SMGR-70760 | User Management | "Export User to Excel" operation doesn't export communication Manager profile data | 8.1.3.5 |
| SMGR-69748 | Infrastructure Management | Web console does not come up in case CRL file is expired and CRL check is set to “BEST_EFFORT”. | 10.1.0.1 |
| SMGR-67189 | User Management | Wrong response when calling create user management web service | 8.1.3.1 |
| SMGR-73887 | User Management | Self-provisioning login not possible anymore through reverse proxy | 10.1.3.0 |
| SMGR-73876 | OfficeLinx Management | Officelinx Mailbox is getting created without leading zeros | 10.1.3.0 |
| SMGR-71601 | Communication Manager Management | Issue with "Buttons per Page" value for cs1k set type CS1k-39xx | 10.1.0.1 |
| SMGR-70758 | Communication Manager Management | Disassociate User utility does not work properly | 8.1.3.4 |
| SMGR-72219 | Communication Manager Management | Issue with title/header while editing VDN using Global search component. | 10.1.0.1.1 |
| SMGR-68788 | Communication Manager Management | Invalid handle should not be accepted to sip URI. | 8.1.3.0 |
| SMGR-68244 | Communication Manager Management | Some role permission NOT working properly | 8.1.2.0 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-68448 | Communication Manager Management | Issues with "Calculate Route Pattern" and "SIP Trunk" fields on CM comm profile | 8.1.3.3 |
| SMGR-67518 | Communication Manager Management | Missing options in RBAC configurations | 8.1.3.1 |
| SMGR-68725 | Communication Manager Management | Backup wave files operation fails for Audio Group | 8.1.3.3 |
| SMGR-72825 | Communication Manager Management | Detailed endpoint report generated by custom user doesn't have details of all endpoints for which it has access | 10.1.0.2 |
| SMGR-72204 | Communication Manager Management | Display multifrequency-signaling appears twice in the object list | 10.1.0.2 |
| SMGR-69742 | Communication Manager Management | Cannot upload OR backup announcements having '&' char in the filename | 8.1.3.3 |
| SMGR-67872 | Communication Manager Management | Custom role with CM endpoint edit permission cannot edit/assign buttons after upgrade from 8.1.3.1 to 8.1.3.3 release. | 8.1.3.3 |
| SMGR-71427 | Communication Manager Management | Missing field "Attribute" in the Agent detailed reports | 10.1.0.2 |
| SMGR-67530 | Communication Manager Management | "No data found" for detailed reports for VDN and Endpoints | 8.1.3.3 |
| SMGR-72214 | Communication Manager Management | Location field wrong; reports "1" for every location | 10.1.0.2 |
| SMGR-71726 | Communication Manager Management | Missing Endpoint "site data" fields in detailed reports | 10.1.0.2 |
| SMGR-67158 | Communication Manager Management | Change holiday-table in element cut through does not display two digits | 8.1.3.2 |
| SMGR-70516 | Communication Manager Management | Loading Bulk edit page is very slow from User Management | 8.1.3.3 |
| SMGR-66927 | Communication Manager Management | Announcement Backup fails if it takes more than 5 minutes to complete. | 8.1.3.2 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-70841 | Communication Manager Management | Default values of the fields "Delete on Unassign from User or on Delete User" and "Override Endpoint Name and Localized Name" is lost when creating a new User using UPR. | 8.1.3.3 |
| SMGR-70084 | Communication Manager Management | Reports Generation produced 0 KB File Size if we remove any "Reserve Skill Level" field or "Skill Level" field from detailed Agent report | 10.1.0.1 |
| SMGR-72551 | Communication Manager Management | Cannot add abbr-dial button from SMGR if MLPP feature is enabled on CM system-parameters customer-option form. | 8.1.3.3 |
| SMGR-69763 | Communication Manager Management | .wav files gets stuck on remote servers in announcements backup failure scenarios and leads to error "SCP - Permission denied" on next announcements backup announcements. | 8.1.3.3 |
| SMGR-59936 | Communication Manager Management | CM sync fails at cleaning step while processing "change extension-station xxx" command from CM command history | 8.1.3.1 |
| SMGR-69575 | Communication Manager Management | Notify sync job marked as failed in scheduler with exceptions in logs and Database is updated with incorrect value. | 10.1.0.0 |
| SMGR-72817 | Communication Manager Management | While assigning an additional profile set - "Delete on Unassign from User or on Delete User" and "Override Endpoint Name and Localized Name" are disabled by default | 8.1.3.7 |
| SMGR-69778 | Communication Manager Management | Element Cut Through of abbreviated cmd "li tra sta 8000" stuck/hang, while full cmd "list trace station 8000" fine. | 8.1.3.4 |
| SMGR-69071 | Communication Manager Management | "Away Timer Value" on profile settings tab is only allowed from 5 to 480 but phone accept till 999 | 8.1.3.3 |
| SMGR-70090 | Communication Manager Management | Incremental sync fails if Notify sync is enabled for CM and hunt groups are deleted from CM. | 8.1.2.0 |
| SMGR-71598 | Communication Manager Management | Detailed report generation for Endpoint hangs if Main Buttons, Feature Buttons, Expansion/Module Button and Softkeys Buttons fields are selected. | 10.1.0.2 |
| SMGR-68210 | Communication Manager Management | Notify Sync/Incremental sync fail to process "change extension-station" command if extension value includes "-". | 8.1.3.3 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-71830 | Communication Manager Management | Updated SIP Trunk field is not reflected SMGR when the change is made via Endpoint Cut Through | 8.1.3.5 |
| SMGR-68107 | Communication Manager Management | Cursor moves back initial entry while typing inside CM element cut-through "Command" line. | 8.1.3.3 |
| SMGR-73811 | Communication Manager Management | Import CM endpoint fails for set type 2410 if feature buttons are populated on excel sheet | 10.1.3.0 |
| SMGR-68105 | Communication Manager Management | Element cut-through columns show wrong values for "list station" command | 8.1.3.3 |
| SMGR-67099 | Communication Manager Management | Running an on-demand report from an existing report definition which already has a schedule will alter that existing schedule. | 8.1.3.1.1 |
| SMGR-67947 | Communication Manager Management | IP Network Map entries not showing up in SMGR even though it’s programmed in CM | 10.1.0.0 |
| SMGR-71295 | Communication Manager Management | Data for "System" column is wrong in Report when "list registered-ip-station" report is generated with qualifier. | 10.1.0.1 |
| SMGR-69561 | Communication Manager Management | Changing Set type using Global Endpoint Change operation for H323 station doesn't work. | 8.1.3.4 |
| SMGR-71595 | Communication Manager Management | "Status socket-usage" report shows data for only one CM when multiple CMs are selected. | 10.1.0.2 |
| SMGR-70035 | Communication Manager Management | SMGR not displaying "Select Destination for Broadcasting Announcements" list while broadcast announcement operation initiated. | 8.1.3.3 |
| SMGR-70117 | Communication Manager Management | Adding additional parameters in detailed agent report columns leads to showing wrong values in columns | 10.1.0.1 |
| SMGR-62039 | Communication Manager Management | SMGR opens multiple SAT sessions on duplex CM instead of using existing connections. | 8.1.3.2 |
| SMGR-67010 | Communication Manager Management | “Receive Analog incoming Call ID” field is missing on SMGR for CO trunk. | 8.1.3.1 |
| SMGR-72581 | Communication Manager Management | After INIT sync special German characters like ö and ü disappear from the name. | 8.1.3.5 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-72128 | Communication Manager Management | CM sync is unable to sync all paging group member data after SA9096 is enabled. | 10.1.0.2 |
| SMGR-67361 | Communication Manager Management | Activating "Dual Registration" fails if SIP user is converted from SIP to H323. | 8.1.3.0 |
| SMGR-67654 | Communication Manager Management | Edit Endpoint missing field validation msg/hints/tool-tips after upgrade from 7.1.3.4 to 8.1.3.2 | 8.1.3.2.1 |
| SMGR-72166 | Communication Manager Management | Duplicate/non-functional detailed reports in dropdown ('trunk'; 'off-pbx-telephone'). | 10.1.0.2 |
| SMGR-72200 | Communication Manager Management | Group extension field wrong; reports erroneous data | 10.1.0.2 |
| SMGR-72197 | Communication Manager Management | Location field wrong; reports erroneous data for every location | 10.1.0.2 |
| SMGR-70168 | Communication Manager Management | Default detailed agent report doesn't have correct values in all columns | 10.1.0.1 |
| SMGR-67519 | Communication Manager Management | Broadcast Announcements for a Media server recreated all old Announcements which has been deleted early | 8.1.3.1 |
| SMGR-72123 | Communication Manager Management | Cannot save "isdn" trunk changes using SMGR native pages if SA8983 is enabled | 10.1.0.1 |
| SMGR-72819 | Communication Manager Management | Inconsistent data on "list trunk" reports if multiple reports are scheduled to run at the same time | 10.1.0.1 |
| SMGR-71599 | Communication Manager Management | Detailed report generation for Agent fails if "Agent Template ID Name" field is selected. | 10.1.0.2 |
| SMGR-72363 | Communication Manager Management | Multiple display reports that cannot take qualifier in SAT require a qualifier (blank character) to execute. | 10.1.0.2 |
| SMGR-69743 | Communication Manager Management | “Edit Extension” feature on SMGR does not release the old extension to available pool. | 8.1.3.4 |
| SMGR-67420 | Communication Manager Management | CM-SMGR Sync Status stuck in "SM asset IP changed" | 8.1.3.3 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| SMGR-70154 | Communication Manager Management | Using an alias (J189) cannot enable more than 9 favorite buttons on the SMGR. | 8.1.3.3 |
| SMGR-66880 | Communication Manager Management | When multiple CMs are selected, Element cut-through always defaults to first selected CM. | 8.1.3.2 |

## Known issues and workarounds in System Manager in Release 10.2.1.3

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-70505 | Communication Manager Management | Duplicate station operation from user management creates 3 call-appr always even if original user has only one or two. | Make changes in button assignment for Manage Endpoint Page. |
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language. | Manually change the user preferred language settings. |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have new set type of J1xx phones. | Use Edit station for changing set type. |
| SMGR-77499 | Trust Management | Trust re-establishment is failing for SMGR in DoD mode. | |
| SMGR-75065 | Communication Manager Management | Error message while broadcasting announcement. | Select the board first and then select the announcement |

## Known issues and workarounds in System Manager in Release 10.2.1.2

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-78448 | Communication Manager Management | "Redirect on No Answer (rings)" field on hunt form cannot be reset to blank from SMGR | |
| SMGR-77499 | Trust Management | Trust re-establishment is failing for SMGR in DoD mode | |
| SMGR-70505 | Communication Manager Management | Duplicate station operation from user management creates 3 call-appr always even if original user has only one or two | Make changes in button assignment for Manage Endpoint Page. |

| | | | |
|---|---|---|---|
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language | Manually change the user's preferred language settings. |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have a new set type of J1xx phones. | Use Edit station for changing the set type. |
| SMGR-75065 | Communication Manager Management | Error message while broadcasting an announcement | Select the board first and then select the announcement |
| SMGR-78427 | Data Migration | vFQDN not getting updated properly at all places after DM from 10.1.x to 10.2.x | Manually update the VFQDN value for System Manager entry in the rts_attribute table |

## Known issues and workarounds in System Manager in Release 10.2.1.1

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-77236 | Geo Redundancy | Geo Redundancy Health goes down intermittently. | Restart System Monitor service |
| SMGR-77499 | Trust Management | Trust re-establishment is failing for SMGR in DoD mode | |
| SMGR-70505 | Communication Manager Management | Duplicate station operation from user management creates 3 call-appr always even if original user has only one or two | Make changes in button assignment for Manage Endpoint Page. |
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language | Manually change the user preferred language settings. |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have a new set type of J1xx phones. | Use Edit station for changing set type. |
| SMGR-77953 | Communication Manager Management | Blank page intermittently while viewing CM/Network/ARS digit conversion page | |

## Known issues and workarounds in System Manager in Release 10.2.1.0

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-77025 | Infrastructure | Provide options to disable hmac-sha1 algorithm for ssh communication. | |
| SMGR-77236 | Geo Redundancy | Geo Redundancy Health goes down intermittently. | |

| | | | |
|---|---|---|---|
| SMGR-76983 | Data Migration | Upgrade to 10.2.x fails when OOBM is configured with incorrect parameters in older release. | Disable OOBM on previous release, Take a new backup and then upgrade with new Backup to 10.2.x and configure OOBM again. |
| SMGR-70505 | Communication Manager Management | Duplicate station operation from user management creates 3 call-appr always even if original user has only one or two | Make changes in button assignment for Manage Endpoint Page. |
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language | Manually change the user preferred language settings. |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have new set type of J1xx phones. | Use Edit station for changing set type. |
| SMGR-77499 | Trust Management | Trust re-establishment is failing for SMGR in DoD mode | |
| SMGR-77532 | Backup and Restore | Restore of backup is failing incase backup is taken from System Manager having all Identity Certificates are signed by external CA | Only Replace Container TLS certificate with external CA and then take new backup before next restore attempt. |

## Known issues and workarounds in System Manager in Release 10.2.0.1

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-75294 | Out Of Band Management (OOBM) | SMGR eth0 SSH stops after converting SMGR to OOBM states | Stop firewall service and access eth0 network via SSH |
| SMGR-74406 | Security Updates | systemd security and bug fix update(http://rhsa-2023:3837/) | |
| SMGR-74769 | Infrastructure Management | Server.log shows “Unable to retrieve user information. Users file is corrupted” | |
| SMGR-75066 | Infrastructure Management | Unable to change the Subnet on SMGR 10.x | |
| SMGR-74194 | Infrastructure Management | GUI User unable to run the command “manageEntityClassWhitelist” when CLI is enabled. | |
| SMGR-73980 | Infrastructure Management | Cannot enable ‘Command Line Access’ on secondary SMGR. | |
| SMGR-75034 | Scheduler Management | Job “UserMgmtJob” failed to execute with error "Caused by: java.lang.NoClassDefFoundError: com/Nortel/ems/mgmt/quantum/userRoleManagement/dto/UserInfo" in log file “server.log” | |
| SMGR-74726 | Geo Redundancy Management | GR shows enabled even though Database replication is not working. | Make sure Database Identity Certificate (i.e., psqlSU CN as 'MGMTDB’. |
| SMGR-70505 | Communication Manager Management | Duplicate station operation from user management creates 3 call-appr always even if original user has only one or two | Make changes in button assignment for Manage Endpoint Page. |
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language | Manually change the user’s preferred language settings. |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have a new set type of J1xx phones. | Use Edit station for changing set type. |

### Known issues and workarounds in System Manager in Release 10.2.0.0

The following table lists the known issues, symptoms, and workarounds in this release:

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| SMGR-74218 | Communication Manager Management | CM synch radio buttons are grayed out for first attempt. | Refresh the table. |
| SMGR-72183 | Communication Manager Management | Creating new user using same set type template which already has user with custom language, shows custom language | Manually change the user preferred language settings. |
| SMGR-73676 | Software Deployment Manager | "Commit upgrade" still loading after upgrade SM success. | Remove host manager of SM from Application Management. After that, add that host again and re-establish connection the SM to get latest status |
| SMGR-73962 | Communication Manager Management | Global endpoint change doesn't have new set type of J1xx phones. | Use Edit station for changing set type. |
| SMGR-74406 | Security Updates | systemd security and bug fix update(http://rhsa-2023:3837/) | |
| SMGR-75353 | User Interface | Edge and Chrome browsers give "Leave site?" popup when adding/editing VDNs/Messaging templates | |

## Solution Deployment Manager Adopter Matrix

| **Solution Deployment Manager Adopter Matrix** | **Adopting Product (System Manager Release 10.2)** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System Manager Solution Deployment Manager – Centralized<br>Functionality | Avaya Solutions Platform (ASP 130/S8300) | System Manager | Session Manager | Communication Manager | CM Adjuncts (MM, Gateways) | Branch Session Manager | Breeze | Secure Access Gateway | WebLM | Application Enablement Services | Media Server | |
| OVA Deployment R 10.2 (Configuration and Footprint) | n/a | Y(only through SDM client) | Y | Y | n/a | Y | Y | Y | n/a | Y | Y | Y |
| Patching Deployment (hotfixes) | Y<br>[Other than ASP hosting System Manager] | Y(only through SDM client) | Y | Y | n/a | Y | N | N | Y | Y | N | N |
| Custom Patching Deployment | n/a | n/a | Y | Y | n/a | Y | N | N | Y | Y | N | Y |
| Service/Feature Pack Deployment | Y<br>[Other than ASP hosting System Manager] | Y(only through SDM client) | Y | Y | n/a | Y | N | N | Y | Y | N | N |

| **Solution Deployment Manager Adopter Matrix** | **Adopting Product (System Manager Release 10.2)** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System Manager Solution Deployment Manager – Centralized<br><br>Functionality | Avaya Solutions Platform (ASP 130/S8300) | System Manager | Session Manager | Communication Manager | CM Adjuncts (MM, Gateways) | Branch Session Manager | Breeze | Secure Access Gateway | WebLM | Application Enablement Services | Media Server | |
| Automated Migrations R10.1.x to R10.2/ R8.1.3.8 to R10.2 (analysis and pre-upgrade checks)<br><br>[Target Platform: ASP / customer VMware] | Y<br>[Other than AVP hosting System Manager] | Y<br>[Only using SDM Client] | Y | Y | n/a [ Covered as Firmware Updates] | Y | N (Breeze Upgrade Supported from Breeze 3.3 Onwards) | N | Y | Y | N | N |
| Automated Migrations R10.1.x to R10.2/ R8.1.3.8 to R10.2 (analysis and pre-upgrade checks)<br><br>[customer VMware] | n/a | Y<br>[Only using SDM Client] | Y | Y | n/a [ Covered as Firmware Updates] | Y | N (Breeze Upgrade Supported from Breeze 3.3 Onwards) | N | n/a | Y | N | N |
| Firmware Updates | n/a | n/a | n/a | n/a | Y | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Scheduler (upgrades and patching) | Y | Y | Y | Y | Y | Y | N | N | N | N | N | N |

| **Solution Deployment Manager Adopter Matrix** | **Adopting Product (System Manager Release 10.2)** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| System Manager Solution Deployment Manager – Centralized<br>Functionality | Avaya Solutions Platform (ASP 130/S8300) | System Manager | Session Manager | Communication Manager | CM Adjuncts (MM, Gateways) | Branch Session Manager | Breeze | Secure Access Gateway | WebLM | Application Enablement Services | Media Server | |
| Virtual Machine M4anagement (start, stop, reset, status, dashboard) | Y | N | Y | Y | n/a | Y | Y | Y | Y | Y | Y | N |
| Support for changing VM Flexible Footprint | n/a | Y<br>[Only using SDM Client] | Y | N | n/a | Y | Y | Y | Y | Y | Y | N |
| Change Network Parameters | Y | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Security Service Pack | n/a | n/a | n/a | Y | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |

n/a: Not Applicable Y: Yes N: No

VMware: Virtualized Environment

# Avaya Aura® Presence Services

## What's new in Presence Services Release 10.1.0.2.x

## Presence Services Release 10.1.0.2 Support on Avaya Solution Platform 130 R6.x

Presence Services Release 10.1.0.2 supports installation on Avaya Breeze® Platform 3.9.0.3 on Avaya Solution Platform 130 R6.x (KVM on RHEL 8.10)

Hardware supported –

- ASP 130 R6.x Dell PowerEdge R660xs server (Profile A3 and A31)
- ASP 130 R6.x Dell PowerEdge R640 server (Profile P5 and P51)
    - Profile 5 and 51 will require reconfiguration of the raid array prior to deploying ASP 130 R6.x.

Please refer to Avaya Breeze® Platform deployment guide on the support site - Deploying Avaya Breeze® platform on Avaya Solutions Platform 130 R6.x (KVM on RHEL 8.10) for installation of Avaya Breeze® Platform on KVM.

Only Avaya Breeze® platform 3.9.0.3 is supported for deployment on Avaya Solution Platform 130 R6.x (KVM on RHEL 8.10) with Presence Services 10.1.0.2.

### Hardware requirements for installation on ASP 130 R6.x

The following table provides information about the memory, disk, and vCPU requirements for the components required to support Presence Services 10.1.0.2 on Avaya Solution Platform 130 R6.x (KVM on RHEL 8.10):

| Component | Platform | Requirement | Avaya Aura® Presence Services 10.1.0.2 |
|---|---|---|---|
| 1000 and 5000 Presence User | | | |
| Avaya Aura® Presence Services 10.1.0.2 | Avaya Breeze® platform 3.9.0.3 | Number of Breeze nodes | 2 |
| | | vCPU's | 12 |
| | | Memory | 34 GB |
| | | Minimum disk size | 300 GB |
| 16000 Presence Users | | | |
| Avaya Aura® Presence Services 10.1.0.2 | Avaya Breeze® platform 3.9.0.3 | Number of Breeze nodes | 3 |
| | | vCPU's | 12 |
| | | Memory | 34 GB |
| | | Minimum disk size | 300 GB |

### Deployment procedure

Please refer to Avaya Breeze® Platform deployment guide on the support site - Deploying Avaya Breeze® platform on Avaya Solutions Platform 130 R6.x (KVM on RHEL 8.10) for installation of Avaya Breeze® Platform 3.9.0.3.

## What's new in Presence Services Release 10.1.x.x

### Required artifacts for Presence Services Release 10.1.0.2.x

The following section provides Presence Services downloading information. For deployment and upgrade procedure, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| PresenceServices-Bundle-10.1.0.2.20082025.zip | PS100102001 | 211 MB | 10.1.0.2.20082025 | Requires the use of Breeze 3.9.0.3 as a platform (minimum release) |

Presence Services 10.1.0.2 supports Breeze 3.9.0.3 Platform.

### Required artifacts for Presence Services Release 10.1.0.1.x

The following section provides Presence Services downloading information. For deployment and upgrade procedure, see product-specific deployment and upgrade documents on the Avaya Support website.

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| PresenceServices-Bundle-10.1.0.1.25.zip | PS100101000 | 180 MB | 10.1.0.1.25 | Requires the use of Breeze 3.9 as a platform (minimum release) |
| PresenceServices-Bundle-10.1.0.1.30.zip | PS100101001 | 179 MB | 10.1.0.1.30 | Requires the use of Breeze 3.9 as a platform (minimum release) |
| PresenceServices-Bundle-10.1.0.1.40.zip | PS100101002 | 184 MB | 10.1.0.1.40 | Requires the use of Breeze 3.9 as a platform (minimum release)<br>Refer PSN006378u for more details. |

Presence Services 10.1.0.1 supports Breeze 3.9 Platform.

### Required patches for Presence Services 10.1

Patches in 10.1.x are cumulative. Only the latest supported cumulative update of a Generally Available release will be available for download from the Avaya Support/PLDS website.

*Be sure to apply any applicable service packs and cumulative updates posted on support.avaya.com to the system. Check support.avaya.com frequently for important software updates as documented in Product Support Notices and Release Notes*.

It is important that any GA patches available at a later date be applied as part of all 10.1.x deployments.

*Be sure to apply any applicable service packs and patches posted on support.avaya.com to the system after applying this release. Check support.avaya.com frequently for important software updates, as documented in Product Support Notices.*

Presence Services 10.X and above uses the following version string syntax:

<major>.<minor>.<feature pack>.<service pack>.<cumulative update>

Cumulative updates only change the fifth digit in the version string. You should only apply cumulative updates that match the same four leading digits of the version currently deployed. There may be special upgrade paths required when deploying releases where any of the four leading digits are incremented. Refer to the release notes for that release for more information.

For more details see PCN2103S on the Avaya Technical Support site.

### Backing up the software

Presence Services software is mastered on the SYSTEM MANAGER. If you wish to back-up presence services configuration data, refer to System Manager Documentation.

### Installing Presence Services Release 10.1.x.x

See the Avaya Aura® Presence Services Snap-in Reference document for instructions related to the deployment of the PS.

**Note:** To install the PS 10.1 SVAR, all previous versions of the PS SVAR will need to be uninstalled and the SVAR file needs to be deleted from the SMGR. This procedure (deleting previous versions of the SVAR from the SMGR) only needs to be performed when upgrading from releases older than 8.0.1. This procedure is not required when upgrading from 8.0.1 or newer versions.

### Troubleshooting the installation

See the Avaya Aura® Presence Services Snap-in Reference document on the Avaya Support website for troubleshooting instructions.

### Restoring software to the previous version

To revert to the previous version of the PS Snap-in refer to the upgrade instructions in the Avaya Aura® Presence Services Snap-in Reference document. The procedure to install the older SNAP-IN software is the same as the procedure for installing the new SNAP-IN software.

### Migrating to the PS 10.1.x release from a PS 6.2.X release

### Changes Affecting Migrations to 10.1

Avaya Aura® Presence Services 6.X loads cannot be migrated directly to PS 10.1.x .

Customers wishing to migrate from PS 6.X loads must first migrate to the latest available PS 7.1.X release. Once a migration has been completed to PS 7.X it will then be possible to upgrade to PS 8.1.X Once in 8.1.x Release Customers could upgrade to 10.1.X release.

For instructions on how to perform the migration from PS 6.2.X to release 7.X, refer to the documentation bundled with the Migration tool found in PLDS and refer to the release notes for the PS 7.X release.

**Note**: At the time of general availability of Presence Services 10.1.X was announced, no patches were available for download from support.avaya.com. It is important that any GA patches available at a later date be applied as part of all 10.1.x deployments.

**Note**: To install the PS 10.1.X SVAR, all previous versions of the PS SVAR will need to be uninstalled, and the SVAR file needs to be deleted from the SMGR. This procedure (deleting previous versions of the SVAR from the SMGR) only needs to be performed when upgrading from releases older than 8.0.1. This procedure is not required when upgrading from 8.0.1 or newer releases.

Migrations to release 10.1.x are supported from the following releases only:

### Minimum required versions by Release

| Release | Minimum Required Version |
|---|---|
| Avaya Aura® Presence Services 7.0 | PresenceServices-7.0.0.0.1395.svar + any additional patch(es) |

| Release | Minimum Required Version |
|---|---|
| Avaya Aura® Presence Services 7.0 Service Pack 1 | PresenceServices-7.0.0.1.1528.svar + any additional patch(es) |
| Avaya Aura® Presence Services 7.0 Feature Pack 1 | PresenceServices-7.0.1.0.872.svar + any additional patch(es) |
| Avaya Aura® Presence Services 7.1 | PresenceServices-7.1.0.0.614.svar + any additional patch(es) |
| Avaya Aura® Presence Services 7.1 Feature Pack 2 | PresenceServices-7.1.2.0.231.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.0 | PresenceServices-8.0.0.0.294.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.0 Feature Pack 1 | PresenceServices-8.0.1.0.301.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.0 Feature Pack 2 | PresenceServices-8.0.2.0.253.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.1 | PresenceServices-8.1.0.0.277.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.1.1 | PresenceServices-8.1.1.0.26.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.1.2 | PresenceServices-8.1.2.0.27.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.1.3 | PresenceServices-8.1.3.0.87.svar + any additional patch(es) |
| Avaya Aura® Presence Services 8.1.4 | PresenceServices-8.1.4.0.69. svar + any additional patch(es) |
| Avaya Aura® Presence Services 10.1.0.0 | PresenceServices-10.1.0.0.66. svar + any additional patch(es) |

### Upgrade References to Presence Services Release 10.1.x

| Upgrade Quick Reference | Download | Prerequisite Downloads |
|---|---|---|
| Presence Services Customer Documentation | PresenceServices-Bundle-10.1.0.1.25.zip<br>(PLDS ID: PS100101000) | Breeze 3.9 or higher Platform OVA –<br>PS 10.1.0.1 is only compatible with Breeze 3.9 and newer platform loads. |

### Interoperability and requirements/Applicability for Release 10.1.x

**Note:** For full Avaya product compatibility information, go to the TOOLS > Product Compatibility Matrix on the Avaya Support website.

### Software Development Kit

In PS Release 8.1.0.0, the Local Presence Service (LPS) SDK (Software Development Kit) will no longer be supported, and an 8.1.0.0 version of the SDK will not be published. Existing applications using the older SDK will still be usable in 8.1.0.0, but users are encouraged to update their applications to use the REST interface or the JAVA API in the PS Connector.

The Local Presence Service (LPS) SDK (Software Development Kit) is available as follows:

| SDK Filename | SDK Version | Presence Services Compatibility |
|---|---|---|
| PresenceServices-LPS-SDK-8.0.2.0.241.zip | 8.0.2 | PS 8.0.2 |
| PresenceServices-LPS-SDK-8.0.1.0.767.zip | 8.0.1 | PS 8.0.1 |
| PresenceServices-LPS-SDK-8.0.0.0.147.zip | 8.0.0 | PS 8.0.0, PS 7.1.2, PS 7.1.0 and PS 7.0.1 |
| PresenceServices-LPS-SDK-7.1.2.0.182.zip | 7.1.2 | PS 7.1.2, PS 7.1.0 and PS 7.0.1 |
| PresenceServices-LPS-SDK-7.1.0.0.556.zip | 7.1.0 | PS 7.1 and PS 7.0.1 |

For more information about the Presence Services SDKs and other Avaya SDKs, refer to Avaya DevConnect at https://www.avaya.com/en/partners/devconnect/program/.

## Functionality not supported in Presence Services 10.1.x.x

### Functionality not supported in Presence Services 10.1

Avaya Multimedia Messaging – federation with AMM (either via XMPP or REST) is no longer supported from PS 8.0.1. It is still possible to deploy PS and AMM in the same solution, but the two applications cannot be federated. From PS 8.1.3 supports all of the AMM feature set and in most cases, the AMM application can be eliminated.

## Fixes in Presence Services Release 10.1.x.x

### Fixes in Presence Services Release 10.1.0.2

The following issues are resolved in cumulative updates to the 10.1 release:

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| PSNG-13142<br>PSNG-13148 | WebSphere corruption | WebSphere corruption introduced when using Presence Services 10.1.0.1.25, 10.1.0.1.30, or 10.1.0.1.40 with Breeze 3.9.0.0 release. | 10.1.0.1 |

### Fixes in Presence Services Release 10.1

The following issues are resolved in cumulative updates to the 10.1 release:

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| PSNG-12234 | | Incorrect response for contact presence | 8.1.4 |
| PSNG-12211 | | Fix for errors found in DCM logs | 8.1.4 |
| PSNG-11833 | | Unread messages count, in gray, searching for messages which are not read at other end gives unread badge | 8.1.4 |
| PSNG-11640 | | Unread messages count, in gray, is shown though the messages are read already | 8.1.4 |
| PSNG-11639 | | Getting error "Your message may not be up to date" after sending the attachment failed | 8.1.4 |
| PSNG-11311 | | InterPS Federation - Could not play audio which was recorded and sent from InterPS federated user | 8.1.4.0 |
| PSNG-11309 | | InterPS Federation - After a user has been re-added to a p2p conversation, it could not receive new messages in that conversation | 8.1.4.0 |

| | | | |
|---|---|---|---|
| PSNG-10915 | | InterPS Federation - After a user has been re-added to a p2p conversation, it could not receive new messages in that conversation | 8.1.3 |
| PSNG-10244 | | The subject is not sent to recipient in first time starting a new conversation between 2 PSs on 2 SMGRs | 8.1.3 |
| PSNG-6502 | | The status note displays incorrectly when the user in a meeting (or OOTO) with 2 PS on the same SMGR | 8.1.2 |
| PSNG-12284 | | After the active node had lost network connection, it took 20 minutes for IM to back to normal | 10.1.0.0 |

## Known issues and workarounds in Presence Services Release 10.1.x.x

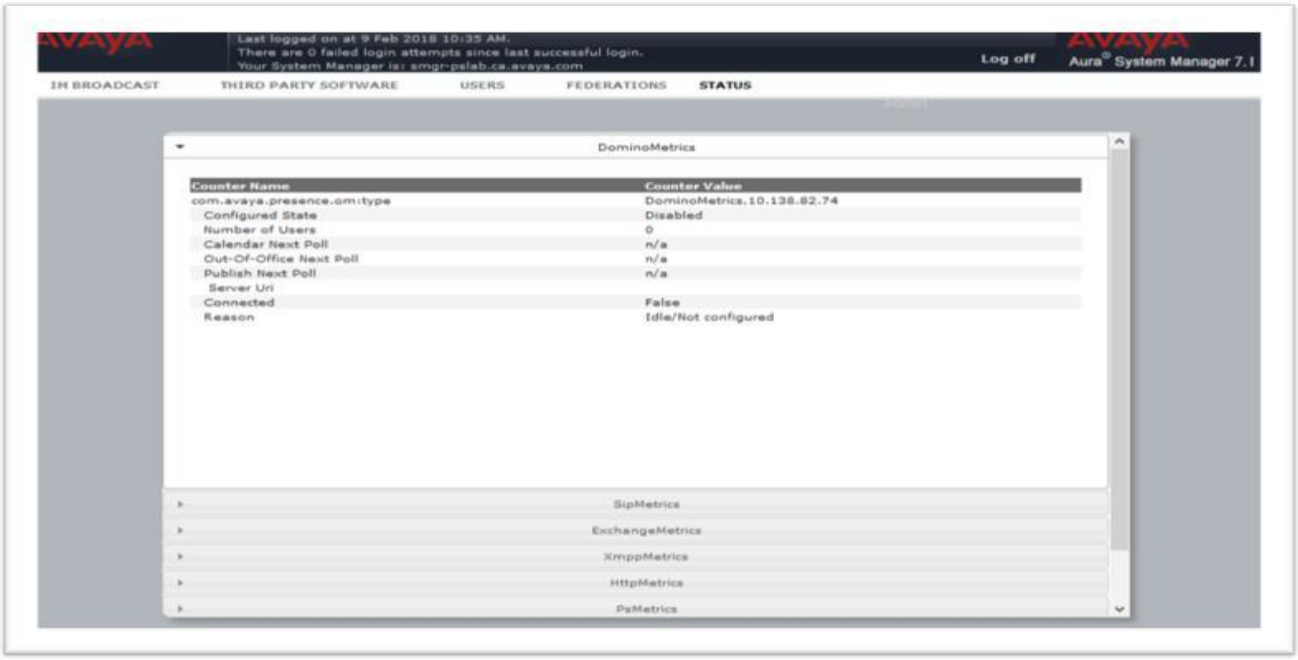
### Known issues and workarounds in Presence Services Release 10.1.0.2

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| PSNG-13156 | | Presence Services - Error when setting "Text Messages Size" to valid value 2048. | Delete ALL Presence Services from System Manager and then re-load them. |
| PSNG-13155 | | Presence Services - Service Attributes allows changing Subscription/Publication Expiry Time beyond allowed limits. | Delete ALL Presence Services from System Manager and then re-load them. |
| PSNG-13170 | | IM service cannot auto-recover in network fluctuation scenario. | Continue exchange IM and presence on clients after logout and login back. |
| PSNG-13146 | | Presence Services cluster node goes into CPU Overload state frequently. | Reconfigure Breeze node to SMGR using the IP address instead of FQDN if Breeze node is added to System Manager using the FQDN address instead of IP address, i.e., Breeze Management hostname using FQDN value rather IP address. |

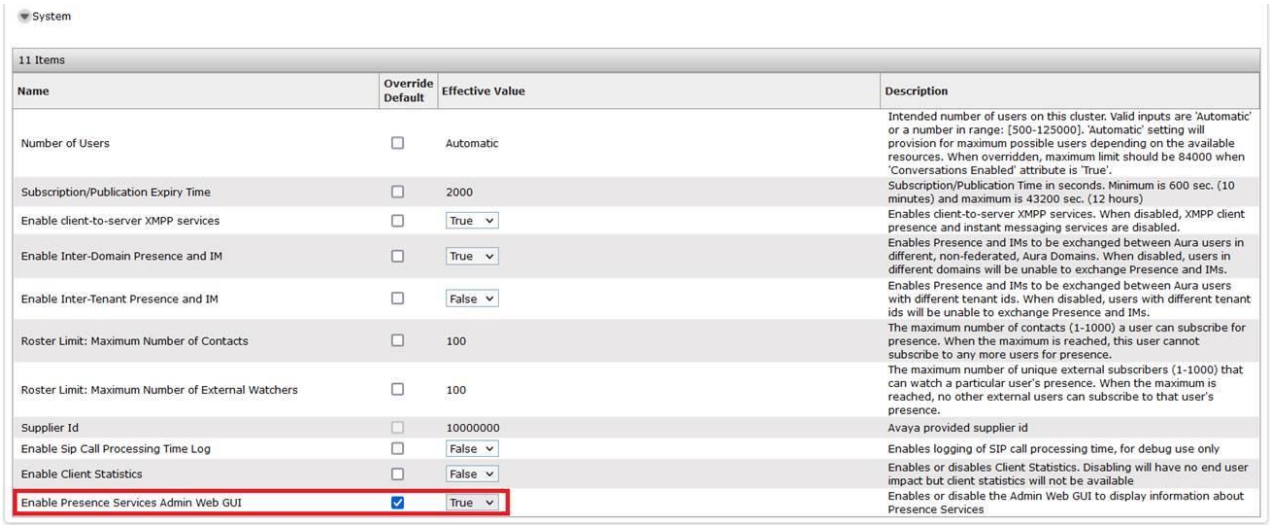
### Known issues and workarounds in Presence Services Release 10.1

| ID | Minimum conditions | Visible symptoms | Workaround |
|---|---|---|---|
| PSNG-12620 | | Equinox For Web not working when samesite is set to lax/ strict. | Disable samesite setting. |
| PSNG-11991 | | Exporting Conversation progress never stops after opening the conversation listed after messages search | NA |

**Note:** The Presence Services Admin Web GUI, as shown below, is disabled by default in PS 8.1.1.0




To enable the Presence Services Admin Web GUI, override the “Enable Presence Services Admin Web GUI” service attribute as shown below:



# Avaya Aura® Application Enablement Services

## What's new in Application Enablement Services Release 10.2.x.x

## What's new in Application Enablement Services 10.2.1.1

- VMware Esi 8.0.3 U3 platform support.

The December 23 updated Aura 10.2 KVM OVAs now support the following:

- The KVM OVAs include an *install_vm.py* script to simplify deployment of the KVM OVA
- The *install_vm.py* script now supports the creation of a root login/password
- The CM and AES updated 10.2 KVM OVAs also include support for disk encryption.

## What's new in Application Enablement Services 10.2.1.0

AE Services supports RHEL 8.10 from 10.2.1 onwards. For more information, please refer ***Upgrading Avaya Aura® Application Enablement Services*** guide.

### What's new in Application Enablement Services 10.2

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Security Service Packs

### Security Service Packs

AE Services releases Security Service Packs (SSPs) aligned with the application release cycle.
SSP contents for AE Services 10.2.x will be part of PCN2165S and installation procedure will be documented in the upgrade guide. PCN and installation procedure will be provided once the first SSP is generated.

**SSPs cannot be installed on "software-only" deployments.**

## Required artifacts for Application Enablement Services Release 10.2.x.x

### Required artifacts for Application Enablement Services Release 10.2.1.3

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| aesvcs-10.2.1.3.0.19-servicepack.bin | AES00001075 | 324.65 MB (332448.90 KB) | 10.2.1.3.0 | Avaya Aura® Application Enablement Services 10.2.1 Service Pack #3<br>MD5 Checksum: 1b66a1cefd89a3546fae3a505b984b77 |

### Required artifacts for Application Enablement Services Release 10.2.1.2

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| aesvcs-10.2.1.2.0.29-servicepack.bin | AES00001067 | 324.54 MB | 10.2.1.2.0 | Avaya Aura® Application Enablement Services 10.2.1 Service Pack #2<br>MD5 Checksum: 8ade2693188a11a3285ce297eefc2919 |

| | | | | |
|---|---|---|---|---|
| | | (332,335 KB) | | |

**Required artifacts for Application Enablement Services Release 10.2.1.1**

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| aesvcs-10.2.1.1.0.161-servicepack.bin | AES00001055 | 324.43 MB (332,215 KB) | 10.2.1.1.0 | Avaya Aura® Application Enablement Services 10.2.1 Service Pack #1<br>MD5 Checksum: 4807d89beb371c43b3629613a8b17f1b |

**Required artifacts for Application Enablement Services Release 10.2.1.0**

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| aesvcs-10.2.1.0.0.441-featurepack.bin | AES00001039 | 338.362962 MB (338362.962 KB) | 10.2.1.0.0 | Avaya Aura® Application Enablement Services 10.2 Feature Pack #1<br>MD5 Checksum: 09a6fe2e01b9bbf5cfbdfef010da6e08 |
| ~~AES-10.2.0.0.0.198.20231107-e70-00-kvm.ova~~ | ~~AES00001038~~ | ~~3,185.12 MB (3,185,121 KB)~~ | ~~10.2~~ | ~~Avaya Aura® Application Enablement Services 10.2 KVM OVA Media<br>MD5 Checksum: 9196849dfbef04cb10af60cccba4b9d0e54a4c0d2ed50f6fccc1fe4acf53253f~~ |
| AV-AES10.2-RHEL8.10-OSUpdate-006.tar.bz2 | AES00001041 | 753.499663 MB<br>753499.663 (KB) | RHEL 8.10 | Avaya Aura® Application Enablement Services RHEL 8.10 OS Bundle<br>MD5 Checksum: 2c67ef13c7efb790fafaf192a8fcd5a7 |
| AES-10.2.0.0.0.198.20231107-e70-01-kvm.ova | AES00001045 | 3022.32 MB (3094860 KB) | 10.2 | Avaya Aura® Application Enablement Services 10.2 KVM OVA Media<br>MD5 Checksum: a823dbfb6a975c8a69979c7785e9240b |

**Note:** Replacing the KVM OVA to cover the script-based deployment method. The procedure is documented in deployment guide. This also enables the Disk Encryption capability.

### Required artifacts for Application Enablement Services Release 10.2.0.1

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| ~~aesvcs-10.2.0.1.0.46-servicepack.bin~~ | ~~AES00001023~~ | ~~318 MB (316,545 KB)~~ | ~~10.2.0.1.0~~ | ~~Avaya Aura® Application Enablement Services 10.2 Service Pack #1~~<br>~~**MD5 Checksum:**~~<br>~~76858ca9f53f0d97df89960d1bba9246~~ |
| aesvcs-10.2.0.1.1.3-servicepack.bin | AES00001027 | 333.45 MB (333,452 KB) | 10.2.0.1.1 | Avaya Aura® Application Enablement Services 10.2 Service Pack #1<br>MD5 Checksum: 23cceca9e167dde8c2526f9b9fda82f6 |

**Note:** The original AES 10.2.0.1.0 (aesvcs-10.2.0.1.0.46-servicepack.bin ) has been removed from PLDS and replaced with an updated Service Pack 1 (aesvcs-10.2.0.1.1.3-servicepack.bin) that updates the postgresql rpm to version 13.11-2. Customers who have deployed the original 10.2.0.1.0 should plan to update to 10.2.0.1.1.

### Required artifacts for Application Enablement Services Release 10.2

| Filename | PLDS ID | File size | Version number | Comments |
|---|---|---|---|---|
| AES-10.2.0.0.0.198.20231107-e70-00.ova | AES00000990 | 2,844.18 MB (2,912,440.5 KB) | 10.2.0.0.0 | Avaya Aura® Application Enablement Services 10.2 OVA Media<br>**MD5 Checksum:**<br>653d2755768fe6008c84685db9c4c1a1 |
| AES-10.2.0.0.0.198-20231107.iso | AES00000991 | 370.44 MB (379,338 KB) | 10.2.0.0.0 | Avaya Aura® Application Enablement Services 10.2 Software Only ISO<br>**MD5 Checksum:**<br>2c46ee5664a63a24302a852b8d46c707 |

**Note**: The deployment of Avaya Aura® applications as Software-only is available but a restricted offer for net new deployments and requires Avaya Aura® BU approval before proceeding. If you have a business requirement to deploy Avaya Aura® as Software-only, please get in touch with your Avaya Sales team. Existing customers using software only deployments continue to be supported.

### Software information for 10.2.x.x

| Software | Version | Note |
|---|---|---|
| OS | Red Hat Linux Release 8.4 (Ootpa) / Red Hat Linux Release 8.10 (Ootpa) | RHEL8.10 is supported from 10.2.1 onwards through OS upgrade bundle |
| Web Server | Apache Server 2.4.37 | |
| Application Server | Apache Tomcat 9.0.94<br>Apache Tomcat 9.0.102 in AES version 10.2.1.1. | |

| Software | Version | Note |
|---|---|---|
| Database | PostgreSQL 13.11 | |
| Java | Open JDK 1.8.0.432.b06-2 | |
| VMware vCenter Server, ESXi Host | 7.0.X, 8.0, 8.0 Update 2 | Avaya Aura® Release 10.2.x supports VMware 8.0 and VMware 8.0 Update 2.<br>Avaya Aura® Release 10.2.x does not support VMware 8.0 Update 1. For information about known issues, see VMware 8.0 Update 1 Release Notes on the VMware website at https://docs.vmware.com/en/VMware-vSphere/8.0/rn/vsphere-6vcenter-server-801-release-notes/index.html. |

## Installation for Avaya Aura® Application Enablement Services Release 10.2.x.x

### Installation for Avaya Aura® Application Enablement Services Release 10.2

### Backing up the AE Services software

Follow these steps to back up the AE Services server data:

1. Log in to the AE Services Management Console using a browser.
2. From the main menu, select Maintenance | Server Data | Backup. AE Services backs up the database and displays the Database Backup screen, that displays the following message: The backup file can be downloaded from here.
3. Click the “Here” link. A file download dialog box is displayed that allows you to either open or save the backup file (named as serverName_rSoftwareVersion_mvapdbddmmyyyy.tar.gz, where ddmmyyyy is a date stamp).
4. Click Save and download the backup file to a safe location that the upgrade will not affect. For example, save the file to your local computer or another computer used for storing backups.

### Interoperability and requirements

**Note:** For full Avaya product compatibility information, go to the TOOLS > Product Compatibility Matrix on the Avaya Support website.

### Installation for Avaya Aura® Application Enablement Services Release 10.2.x.x

Refer to the Deploying Avaya Aura® Application Enablement Services in Virtualized Environment or Deploying Avaya Aura® Application Enablement Services in a Software-Only Environment document for deployment instructions.

Additional references for Virtualized deployments:

- Deploying Avaya Aura® Application Enablement Services in Virtualized Environment Release 10.2.x
- Deploying Avaya Aura® Application Enablement Services in a Software-Only and Infrastructure as a Service Environments Release 10.2.x
- Upgrading Avaya Aura® Application Enablement Services Release 10.2.x

**Note**:

1. With Release 10.2, by default, TSAPI Unencrypted Services Port (450) is disabled and TSAPI - Encrypted Services Port (453) is enabled.
2. From AE Services 10.1, only the Transport Layer Security (TLS) 1.3 and 1.2 protocol is enabled by default. The lower-level TLS protocols 1.0 and 1.1 are disabled by default. Note, according to the National Institute of Standards and Technology (NIST) Special Publication 800-52, TLS version 1.2 is required, at a minimum, to mitigate various attacks on the TLS 1.0,1.1 protocol. The use of TLS 1.3 is strongly recommended.

## Upgrading to AE Services 10.2.x.x

### Upgrading to AE Services 10.2.1.3

An upgrade to AES 10.2.1.3 can be achieved by upgrading existing 10.2.0.0 or 10.2.0.1 or 10.2.1.0 or 10.2.1.1 or 10.2.1.2 systems to AES 10.2.1.3 using the service pack installer aesvcs-10.2.1.3.0.19-servicepack.bin.

### Upgrading to AE Services 10.2.1.2

An upgrade to AES 10.2.1.2 can be achieved by upgrading existing 10.2.0.0 or 10.2.0.1 or 10.2.1.0 or 10.2.1.1 systems to AES 10.2.1.2 using the service pack installer aesvcs-10.2.1.2.0.29-servicepack.bin.

\

### Upgrading to AE Services 10.2.1.1

An upgrade to AES 10.2.1.1 can be achieved by upgrading existing 10.2.0.0 or 10.2.0.1 or 10.2.1.0 systems to AES 10.2.1.1 using the service pack installer aesvcs-10.2.1.1.0.161-servicepack.bin.

### Upgrading to AE Services 10.2.1.0

An upgrade to AES 10.2.1.0 can be achieved by upgrading existing 10.2.0.0 systems to AES 10.2.1.0 using the feature pack installer aesvcs-10.2.1.0.0.441-featurepack.bin.

### Upgrading to AE Services 10.2.0.1

An upgrade to AES 10.2.0.1 can be achieved by upgrading existing 10.2.0.0 systems to AES 10.2.0.1 using the service pack installer aesvcs-10.2.0.1.0.46-servicepack.bin.

### Upgrading to AE Services 10.2

### AE Services Server Upgrade Instructions

Refer to the *Upgrading Avaya Aura® Application Enablement Services* document at:
https://support.avaya.com

### RHEL 8.4 Support for AE Services 10.2

AE Services 10.2 is supported on RHEL 8.4. Upgrading AE Services 10.2 to any RHEL release greater than 8.4 is not supported and may cause the system to enter an unstable state.

### Installation for Avaya Aura® Application Enablement Services Software Only 10.2.x.x

Refer to the *Deploying Avaya Aura® Application Enablement Services in Software-Only and Infrastructure as a Service Environments Release 10.2.x* and *Upgrading Avaya Aura® Application Enablement Services Release 10.2.x* at: https://support.avaya.com

**Important Note:**

The required upgrade order as documented in the Product Compatibility Matrix and in the application specific upgrade documentation must be followed.

## Functionality not supported

### Functionality not supported for Release 10.2.x.x

- Certificates become invalid after migrating to Avaya Aura® Application Enablement 10.1, for more details, see PSN020555u.
- When Avaya Aura® Communication Manager is upgraded to 10.2 and Avaya Aura® Application Enablement is lower than 8.1.3.1 then the ASAI link using minimum TLS version 1.2 will not be established. As per product compatibility matrix, the Avaya Aura® Application Enablement must always be greater than or equal to the release/version of the Avaya Aura® Communication Manager

## Changes and Issues

### WebLM server compatibility

The WebLM server supports N-1 backward compatibility with its client component. AE Services 10.2.x WebLM client is compatible with WebLM 10.1.3.1 server and later versions.

### VM Foot Print Size and capacity

**Note:** Hard Drive has been increased to 55 GB from 30 GB in AE Services server 10.1 for all foot prints

| | | DMCC (Third-party call control: Avaya Aura Contact Center) | | DMCC (First Party call control) | | TSAPI/DLG/CVLAN |
|---|---|---|---|---|---|---|
| **Footprint** | **Resources** | **Maximum # of users or agents** | **Maximum BHCC** | **Maximum # of users or agents** | **Maximum BHCC** | **Maximum Messages per second (MPS) Rate** |
| Small | 1 CPU, 4 GB RAM 55 GB HDD | 1K | 20K BHCC | 1K | 9K BHCC | 1K MPS |
| | | 10K | 6K BHCC | | | |
| Medium | 2 CPU 4 GB RAM 55 GB HDD | 2.5K | 50K BHCC | 2.4K | 18K BHCC | 1K MPS |
| | | 12K | 12K BHCC | | | |
| Large | 4 CPU 6 GB RAM 55 GB HDD | 5K | 100K BHCC | 8K | 36K BHCC | 2K MPS |
| | | 20K | 24K BHCC | | | |

## Fixes in Application Enablement Services in Release 10.2.x.x

### Fixes in Application Enablement Services in Release 10.2.1.3

| ID | Minimum conditions | Visible Symptoms |
|---|---|---|
| AES-35315 | Network disconnection and DMCC session recovery after > 5 mins | CTI bases recorder application may get dis-connected hampering the recordings. |
| AES-35287 | TTS enabled DMCC recorders and their respective Q931 connections with CM are not up | AES may not put DMCC recorder station on “On-Hook“ correctly and cause SSC failure for the next call on same recorder station. |
| AES-35270 | AES 10.1.x Installed | No Visible symptoms.<br>Tomcat version update to 9.0.111 |
| AES-35269 | AES 10.2.x Installed | No Visible symptoms.<br>Postgres version update to postgresql-13.22.x |
| AES-35251 | RONA trigger on the call | Unexpected drop for the party in the call |
| AES-35189 | Activate/De-activate call forward feature on ASAI monitored extension. | ***“Call-Forward”*** or other similar activation/de-activation events may not be visible to CTI application. |

### Fixes in Application Enablement Services in Release 10.2.1.2

There are no bug fixes in the AES 10.2.1.2 Service Pack. Version information has been updated to ensure compatibility with all Avaya applications.

### Fixes in Application Enablement Services in Release 10.2.1.1

| ID | Minimum conditions | Visible Symptoms |
|---|---|---|
| AES-35047 | AES 10.2.x Installed | No Visible symptoms.<br>Tomcat version update to 9.0.102 |
| AES-34481 | AES 10.1 release with embedded WebLM configured. | Tomcat may throw Out-Of-Memory exception. |
| AES-34402 | Initiate a call from ASAI monitored station. | JTAPI application going in hung state or restart. |
| AES-33956 | JTAPI application with SDB enabled, and having large number of devices in a single deviceGroup. | If SDB is enabled with JTAPI application, then getaddress() API call may take longer time to process. |
| AES-33811 | login to system from multiple different instances | Login is allowed more than configured PAM limits |
| AES-33956 | JTAPI 10.1.0.2 client with restricted permission in SDB for CTI user. | JTAPI getaddress() API call may take longer time to process if there are large number of devices in SDB deviceGroup. |
| AES-33816 | Third party make call from station monitored by to AESs with JTAPI client connected. One AES triggers the make call request. | JTAPI service provider crash because of NULL pointer access |
| AES-33217 | JTAPI SDK invokes getloggedonAgents() or ACD.addaddresslistener API call | Event Q Size may breach threshold and causes provider to restart. |
| AES-32823 | Generate an alarm from AES which will be received by the trap receiver. | The trap receiver at the customer might not interpret AES traps well. |
| AES-32824 | JTAPI SDK with debug level set to zero in TSAPI.PRO file. | Debugs logs were generated for JTAPI even if debug level was set to zero. |
| AES-28240 | JTAPI 10.1.0.2 with device monitor added. | When the JTAPI Client receives an event (e.g. Established event) it makes many CSTAQueryDeviceInfo requests to AES. It may cause the delay in processing of JTAPI event Q Size, and could result in provider shutdown. |

### Fixes in Application Enablement Services in Release 10.2.1.0

| ID | Minimum conditions | Visible Symptoms |
|---|---|---|
| AES-34024 | AES Server 10.1.x or 10.2.x | mDNS service is enabled on AES system on port 5353 |
| AES-33995 | AES 10.1.3 with JTAPI clients | JTAPI connection may receive invalid number of connections in getConnections response. |
| AES-33884 | AES 10.1.3 with SOSM feature enabled on CM. | ATTSingleStepTransfer request will fail. |
| AES-33213 | AES swonly offer deployed on AWS | DBService may not be running after reboot. |
| AES-31149 | Mediamonitor with Tonedetection events enabled for a device | DMCC may not send tone detected events in case MediaMonitor is placed after device is registered. |

### Fixes in Application Enablement Services in Release 10.2.0.1

| ID | Minimum conditions | Visible Symptoms |
|---|---|---|
| AES-33213 | AES 10.1 deployed on AWS cloud. | After AES reboot on AWS, Postgresql service may not start. |
| AES-32938 | AES 10.1.2 without TSAPI reserved licensing configured. | TSAPI service may crash while trying to acquire TSAPI license from WebLM. |
| AES-32922 | 10.1 AES with default as well as other required certificates | CA Trusted and Server Certificates Default certificates added back after FP/SP Installation even if they were deleted from system before update of SP/FP |
| AES-32910 | AES 10.1.3.1 | TSAPI Test in OAM diagnostics not working. |
| AES-32901 | Agent transferring call to VDN/Vector/hunt and call been queued to skill as agents are not available. | CTI side doesn't get correct state for the connected party in the call. |
| AES-32814 | TSAPI link with switch connection name with 13 characters or more. | TSAPI link status will be down. |
| AES-32616 | AES 10.1 with TLSv1.3 enabled system. | The weak ciphers in JDK 8 gets enabled on the AES with TLSv1.3 enabled. |
| AES-32532 | AES 10.1 with local DNS not working or misconfigured DNS server. | AES sends the DNS requests to public root servers every day at specified time. |
| AES-32455 | AES 10.1.2. A newly created Security user. | When admin try to login through the newly created user on OAM, it does not ask to change password and neither take the current password to login. |
| AES-31149 | DMCC station with Out-of-Band DTMF config, and a tone detection listener added. | DTMF tone events are not sent to clients if DMCC station re-registers after monitor is placed. |
| AES-29726 | TSAPI CLIENT/SDK 10.1 | Due to missing dependency, TSAPI client application shows error message as msvcr100.dll missing. |
| AES-23159 | JTAPI client with device monitor. | JTAPI crashes with null pointer exception while processing CSTA FAILED event having empty failing Device. |

### Fixes in Application Enablement Services in Release 10.2

| | | |
|---|---|---|
| AES-23401 | DMCC client application written using DMCC Java SDK. | If ServiceProvider.getServiceProvider() fails, two threads are left running |
| AES-29726 | TSAPI CLIENT/SDK 10.1 | Due to missing dependency, TSAPI client application shows error message as msvcr100.dll missing. |
| AES-29836 | TSAPI CLIENT/SDK 10.1.0.2 | French characters in the EULA are not shown properly during installation on InstallShield Wizard. |
| AES-30249 | AES 8.1.3 | Caught "Index was outside the bounds of the array." exception while performing an API call through NICE recorder. |
| AES-31054 | AES connected to WebLM with expired license. | DMCC Service License mode showing as LICENSE_EXPIRED on OAM even after installing new valid License on WebLM. |
| AES-31510 | JTAPI SDK 10.1.0.2 | Customer saw logging been stopped due to existing Log4J configuration settings been overwritten after |

| | | |
|---|---|---|
| | | instantiating the JTAPI application in case of customer doing dynamic Log4J logging configuration. |
| AES-31529 | 10.1.0.0.0.13 versions of the DMCC .NET library | Unable to use it in an environment that requires all assemblies to be strongly named. |
| AES-31568 | AES 10.1,<br>8.x TSAPI Client | Client Application is unable to connect with TSAPI service securely using TLSv1.0/1.1. |
| AES-31776 | AES 10.1 rebooted. | If AES is rebooted, then it is possible false high memory usage is generated. |
| AES-31777 | AES 10.1.0.1 | Enabled ports in backup do not retain values after restoration. |
| AES-31935 | DMCC services are getting used and dmcc-logging.properties file is modified through CLI or DMCC logging level is changed from AES OAM. | DMCC services get restarted after 4-5 days if dmcc-logging.properties file is modified through CLI or DMCC logging level is changed from AES OAM. |
| AES-32028 | AES 10.1.x, JTAPI 10.1.3 | Agent shown as logged into a station even though some other agent is already logged into the same station. |
| AES-32296 | AES 10.1.3.1 | If ToneDetection monitor is placed, then AES may send same tone detected event twice. |
| AES-32299 | AES Release 8.1.x or 10.1.x with high volume of kernel logs. | AES servers have been alarmed due to the /var/log partition hitting 90%. /var/log/avaya/aes/kernel.log are not getting rotated. |
| AES-32305 | JTAPI SDK 10.1.0.2<br>AES 10.1.0.2 | JTAPI application going into hung state while trying to stop monitors. |
| AES-32495 | AES 10.1.0.2, DMCC Java Client 10.1.0.2 | characterSet in GetDisplayResponse gives unexpected value. |
| AES-32561 | AES 10.2 | The customer sees an error message as "This site can't provide a secure connection" while accessing OAM Web page. |
| AES-32563 | TSAPI CLIENT/SDK 10.1.0.2 | French characters in the EULA are not shown properly during installation on Windows command prompt. |
| AES-32582 | AES 8.1.2 with JITC and TSAPI client authentication enabled.<br>AES 8.1.2 TSAPI Client with OCSP and Verify Sever FQDN parameter enabled. | Unable to see T-Link information to connect to AES. |
| AES-32603 | AES 10.1.0.2, DMCC .NET Client 10.1.0.2 | characterSet in GetDisplayResponse gives unexpected value. |

## Known issues and workarounds in Application Enablement Services 10.2.x.x

### Known issues and workarounds Application Enablement Services in Release 10.2.1.3

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-34129 | AES 10.2 | Open Stream Request fails on OAM | Login to AES and edit /usr/lib64/tslibrc file to point to correct AES. |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-33750 | AES 10.1, CM 10.1 | Public Unknown Numbering displays another position on CM. | No Workaround |
| AES-33610 | AES 10.1 without default server certificate. | AES will not be able connect to local embedded WebLM. | Use port 443 as weblm port with local embedded weblm. |
| AES-33461 | DMCC Java Client 10.x | Not able to receive a ServiceLinkStatusEvent from AES. | No Workaround |
| AES-33335 | AES 10.1 | SMS response may contain invalid special characters. | Do not use special characters in trunk name on CM. |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No Workaround |

### Known issues and workarounds Application Enablement Services in Release 10.2.1.2

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-34129 | AES 10.2 | Open Stream Request fails on OAM | Login to AES and edit /usr/lib64/tslibrc file to point to correct AES. |
| AES-33750 | AES 10.1, CM 10.1 | Public Unknown Numbering displays another position on CM. | No Workaround |
| AES-33610 | AES 10.1 without default server certificate. | AES will not be able connect to local embedded WebLM. | Use port 443 as WebLM port with local embedded WebLM. |
| AES-33461 | DMCC Java Client 10.x | Not able to receive a ServiceLinkStatusEvent from AES. | No Workaround |
| AES-33335 | AES 10.1 | SMS response may contain invalid special characters. | Do not use special characters in trunk name on CM. |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No Workaround |

### Known issues and workarounds Application Enablement Services in Release 10.2.1.1

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-34129 | AES 10.2 | Open Stream Request fails on OAM | Login to AES and edit /usr/lib64/tslibrc file to point to correct AES. |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-33750 | AES 10.1, CM 10.1 | Public Unknown Numbering displays another position on CM. | No Workaround |
| AES-33610 | AES 10.1 without default server certificate. | AES will not be able connect to local embedded WebLM. | Use port 443 as WebLM port with local embedded WebLM. |
| AES-33461 | DMCC Java Client 10.x | Not able to receive a ServiceLinkStatusEvent from AES. | No Workaround |
| AES-33335 | AES 10.1 | SMS response may contain invalid special characters. | Do not use special characters in trunk name on CM. |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No Workaround |

### Known issues and workarounds Application Enablement Services in Release 10.2.1.0

**Note**: The new KVM OVA published on 23rd Dec has the disk encryption capability

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| ~~AES-34695~~ | ~~AES 10.2.1, KVM SW Only~~ | ~~Switch connection shows garbage characters~~ | ~~Apply RHEL 8.10 upgrade on AES 10.2 SW Only, before applying Feature Pack 10.2.1~~ |
| AES-34604 | AES Deployed on ASP R6.0 Host | AES Disk Encryption is not available | No |
| AES-34402 | JTAPI 10.2.0 with device monitor | JTAPI provider may shut down while processing CstaInitiated event. | No Workaround |
| AES-34129 | AES 10.2 | Open Stream Request fails on OAM | Login to AES and edit /usr/lib64/tslibrc file to point to correct AES. |
| AES-33956 | JTAPI 10.1.0.2 client with restricted permission in SDB for CTI user. | JTAPI getaddress() API call may take longer time to process if there are large number of devices in SDB deviceGroup. | No Workaround |
| AES-33811 | AES 10.1 or 10.2 with OAM with set Limit of PAM e.g 4 | Multiple and parallel Login on OAM exceeds 4. | No Workaround |
| AES-33750 | AES 10.1, CM 10.1 | Public Unknown Numbering displays another position on CM. | No Workaround |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-33610 | AES 10.1 without default server certificate. | AES will not be able connect to local embedded WebLM. | Use port 443 as weblm port with local embedded WebLM. |
| AES-33461 | DMCC Java Client 10.x | Not able to receive a ServiceLinkStatusEvent from AES. | No Workaround |
| AES-33335 | AES 10.1 | SMS response may contain invalid special characters. | Do not use special characters in trunk name on CM. |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No Workaround |

### Known issues and workarounds Application Enablement Services in Release 10.2.0.1

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-33217 | JTAPI SDK invokes getloggedonAgents() or ACD.addaddresslistener API call | Event Q Size may breach threshold and cause provider to restart. | No |
| AES-32823 | Generate an alarm from AES which will be received by trap receiver. | The trap receiver at the customer didn't interpret AES traps well. The TYPE was wrong for *sysObjectID*. | No |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No |
| AES-32308 | AES 10.1 | Logs in /var/log/messages and network sniffers reports unauthorized connection request. | Modify the below file:-<br>/opt/spirit/config/agent/SPIRITAgent_1_0_BaseAgentConfig_orig.xml<br><entry key="SPIRIT.heartbeat.on">true</entry> -> Change this to “false”. |
| AES-32193 | Any DB update on primary AES server. | Customer saw DB Service restart alarms on trap receiver and couldn't sort out if the alarms are from primary AES or secondary. | No |
| AES-30029 | GRHA Configured | GRHA shows running on CLI and OAM with different versions of AES. | No |
| AES-29742 | JTAPI 8.1.3 AES 8.1 | JTAPI make call using tac shows incorrect number of parties in getConnections() | No |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-28813 | Select ALL to add ALL device when the New Device Groups has been created | Bad gateway error seen on OAM when trying to add all devices in a device group. | No |
| AES-28496 | AES 10.1 | AES Services are not running properly so system is unresponsive to CTI applications. | Either reboot aes or restart aes SNMP subagent. |
| AES-28240 | JTAPI 10.1.0.2 with device monitor added. | When the JTAPI Client receives an event (e.g. Established event) it makes many CSTAQueryDeviceInfo requests to AES. It may cause the delay in processing of JTAPI event Q Size, and could result in provider shutdown. | No |
| AES-28193 | One or more Service is stopped. | CTI link status for all services is shown as talking even if respective service is stopped | No |
| AES-28171 | AES 8.1.2 | An error "Cannot access the reference link" is generated on web browsers when URL "Comments on this documents?" is accessed on any help page of AES OAM | No |
| AES-27844 | Invalid configuration of "WebLM IP Address/FQDN", "WebLM Port" and valid configuration of "Secondary WebLM IP Address/FQDN" and "Secondary WebLM Port" on "Licensing \| WebLM Server Address" (OAM). | AE Services page showed License Information in red text as "Application Enablement Service is not licensed in the license file." | No |
| AES-26653 | snmp traps configured. | snmptrapd linux cli utility doesn't give any output when invoked from command line for debugging purposes. | No |
| AES-22385 | AES 8.1 | On OAM page Security -> certificate management -> server certificates -> add Keeping enrollment method as Automatic gives error "Auto Enrollment failed, did not receive certificate from CA." | Select manual enrollment instead of Auto Enrollment on same page. |
| AES-21856 | AES 8.1.2, CM 8.1.2 | Calls didn't get drop properly and call recordings were missing on AWFOS | No |
| AES-19610 | AES 7.1.3 | LDAP configuration option for TSAPI user (cus_ldap) is not set following errors get printed in alarm.log, every time the cti user is logged in to AES pam_ldap(tsapi_service:account) : unknown option: config=/etc/cus-ldap.conf | No |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| | | pam_ldap(tsapi_service:auth): unknown option: config=/etc/cus-ldap.conf | |
| AES-19215 | AES 8.1 | Possible race condition in request and response and application not receiving the response. | No |
| AES-18144 | AES 8.1 | If the SNMP device is configured to use SNMP version 1 or 2c then the community name of length more than 128 characters is not allowed in the Security Name field on OAM -> Utilities -> SNMP -> SNMP trap receivers -> Add. | No |

### Known issues and workarounds Application Enablement Services in Release 10.2

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| AES-32814 | TSAPI link with switch connection name with 13 characters or more. | TSAPI link status will be down. | No |
| AES-32616 | AES 10.1 with TLSv1.3 enabled system. | The unsupported weak ciphers in JDK 8 get enabled on the AES with TLSv1.3 enabled. | Use the setCipherSuite utility to remove the weak ciphers. |
| AES-32532 | AES 10.1 | AES sends the DNS requests to public root servers every day at specified time. | remove -R option from command "/usr/sbin/unbound-anchor -a /var/lib/unbound/root.key -c /etc/unbound/icannbundle.pem -f /etc/resolv.conf -R" present in file "/lib/systemd/system/unbound-anchor.service" |
| AES-32455 | AES 10.1.2. A newly created Security user. | When admin try to login through the newly created user on OAM, it does not ask to change password and neither take the current password to login | Choose option "Allow Linux Shell Access" while creating the new user, and do first login through CLI, it will ask to change the password and then login with new password through OAM. |
| AES-32403 | AES GRHA System | Reconnection of DMCC Sessions fails on fallback to primary AES in GRHA configuration. | No |
| AES-32308 | AES 10.1 | Logs in /var/log/messages and network sniffers reports unauthorized connection request. | Modify the below file:- /opt/spirit/config/agent/SPIRITAgent_1_0_BaseAgentConfig_orig.xml |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| | | | <entry key="SPIRIT.heartbeat.on">true</entry> -> Change this to “false”. |
| AES-32193 | Any DB update on primary AES server. | Customer saw DB Service restart alarms on trap receiver and couldn't sort out if the alarms are from primary AES or secondary. | No |
| AES-31149 | AES 8.1.3.6 | DTMF tone events are not sent to clients if DMCC station re-registers after monitor is placed. | Re-start the Media Monitor after DMCC station re-registers. |
| AES-31143 | AES 10.1.2 | An error occurred on AES OAM while editing the default user | Use "/opt/mvap/bin/ctiUser" utility to edit the default users from CLI. |
| AES-31132 | AES TSAPI 64 bits client & SDK used. | The wrong acshandle is returned to the application. | No |
| AES-30029 | GRHA Configured | GRHA shows running on CLI and OAM with different versions of AES. | No |
| AES-29742 | JTAPI 8.1.3 AES 8.1 | JTAPI make call using tac shows incorrect number of parties in getConnections() | No |
| AES-28813 | Select ALL to add ALL device when the New Device Groups has been created | Bad gateway error seen on OAM when trying to add all devices in a device group. | No |
| AES-28496 | AES 10.1 | AES Services are not running properly so system is unresponsive to CTI applications. | Either reboot aes or restart aes SNMP subagent. |
| AES-28193 | One or more Service is stopped. | CTI link status for all services is shown as talking even if respective service is stopped | No |
| AES-28171 | AES 8.1.2 | An error "Cannot access the reference link" is generated on web browsers when URL "Comments on this documents?" is accessed on any help page of AES OAM | No |
| AES-27844 | Invalid configuration of "WebLM IP Address/FQDN", "WebLM Port" and valid configuration of "Secondary WebLM IP Address/FQDN" and "Secondary WebLM Port" on "Licensing \| WebLM Server Address" (OAM). | AE Services page showed License Information in red text as "Application Enablement Service is not licensed in the license file." | No |
| AES-26653 | snmp traps configured. | snmptrapd linux cli utility doesn't give any output when invoked from command line for debugging purposes. | No |
| AES-22385 | AES 8.1 | On OAM page Security -> certificate management -> server certificates -> add Keeping | Select manual enrollment instead of Auto Enrollment on same page. |

| ID | Minimum conditions | Visible Symptoms | Workaround |
|---|---|---|---|
| | | enrollment method as Automatic gives error "Auto Enrollment failed, did not receive certificate from CA." | |
| AES-21856 | AES 8.1.2, CM 8.1.2 | Calls didn't get drop properly and call recordings were missing on AWFOS | No |
| AES-19610 | AES 7.1.3 | LDAP configuration option for TSAPI user (cus_ldap) is not set following errors get printed in alarm.log, every time the cti user is logged in to AES pam_ldap(tsapi_service:account) : unknown option: config=/etc/cus-ldap.conf pam_ldap(tsapi_service:auth): unknown option: config=/etc/cus-ldap.conf | No |
| AES-19365 | AES 8.1.1 | Tomcat partially sends logs bypassing the rsyslog utility. Hence, separate Catalina log files are generated under /var/log/tomcat directory. | No |
| AES-19215 | AES 8.1 | Possible race conditions in request and response and application not receiving the response. | No |
| AES-18144 | AES 8.1 | If the SNMP device is configured to use SNMP version 1 or 2c then the community name of length more than 128 characters is not allowed in the Security Name field on OAM -> Utilities -> SNMP -> SNMP trap receivers -> Add. | No |
| AES-34604 | AES 10.2 KVM | The customer will not be able to enable encryption for 10.2 OVAs deployed on KVM (AES-10.2.0.0.0.198.20231107-e70-00-kvm.ova; **PLDS ID** AES00001038) | No |

# Avaya Solutions Platform

## Avaya Solutions Platform S8300

For latest information, refer to the following Avaya solutions Platform Release Notes:

- Avaya Solutions Platform S8300 R6.x Release Notes
- Avaya Solutions Platform S8300 R5.1.x Release Notes

## Avaya Solutions Platform 130

For latest information, refer to the following Avaya solutions Platform Release Notes:

- Avaya Solutions Platform 130 R6.x Release Notes
- Avaya Solutions Platform 130 R5.1.x Release Notes

# Avaya Aura® G430 and G450 Media Gateways

## What's new in Avaya Aura® G430 and G450 Media Gateways Release 10.2.x.x

### What's new in G430 and G450 Media Gateways Release 10.2.1 (Builds 43.22.00 and 43.22.30)

The following new commands have been added for SSH Public Key Authentication:
copy authorized-keys usb

- copy https authorized-keys
- copy scp authorized-keys
- copy usb authorized-keys

These new Commands have been added under the ssh-server configuration command:

- show authorized-keys
- erase authorized-keys
- set pubkey-authentication
- show pubkey-authentication

**Note**: Admin users can modify keys for all users. Read-Write users can modify their own keys but no others. Read-Only users can view configuration but cannot modify any keys.

Finally, these commands have been modified:

- The "show ssh-server-configuration" was modified to display whether PKA is enabled and how much space is used.
- The "show ip ssh" was modified to also show whether PKA is enabled.

### What's new in G430 and G450 Media Gateways Release 10.2 (Builds 43.09.00 and 43.09.30)

- TLS 1.3 support.
- wolfSSL Cryptographic Library replaces OpenSSL library used in previous G430 and G450 releases
- VxWorks OS updated to Release 6.9 in older gateways.
- New SNMP-server test trap CLI command.
- New Server Blade CLI commands (G450 only)
- Removed support for licensing of CM 5.2.1 and earlier CM releases.

For more information see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Installation for Avaya Aura® G430 and G450 Media Gateways Release 10.2.x.x

### Required patches

The following version of firmware is only applicable for G430 and G450 Media Gateways. Find patch information for other Avaya Aura® Media Branch Gateway products at https://support.avaya.com.
Customer impacting gateway issues will be addressed in new firmware versions within each supported gateway firmware series (e.g., 38.xx.xx is considered a firmware series). This ensures customer impacting fixes will be delivered and available within each supported gateway firmware series until designated as "End of Manufacturer Support". The latest gateway firmware version within a given firmware series should be used since it will have all the latest fixes. New gateway features and functionality will not be supported in configurations running newer series of gateway firmware with older Communication Manager Releases. To help ensure the highest quality solutions for our customers, Avaya recommends the use of like gateway firmware series and Communication Manager releases. This means the latest version within the GW Firmware Series is recommended with the following Communication Manager software releases:

| Gateway Firmware Series | Communication Manager Release |
|---|---|
| 41.xx.xx | 8.1.x |

| | |
|---|---|
| 42.xx.xx | 10.1.x |
| 43.xx.xx | 10.2.x |

Newer gateway firmware versions running with older Communication Manager software releases are still supported. For example, running gateway firmware version series 42.xx.xx with Communication Manager 8.1.x is still supported. However, prolonged running in this type of mixed configuration is not recommended. Avaya recommends running in a mixed configuration only if necessary, to support gateway upgrades before upgrading Communication Manager software. Newer Communication Manager software releases running with older gateway firmware versions are not supported.
Gateway firmware support follows the Communication Manager software “End of Manufacturer Support” model (EoMS). This means that as soon as a Communication Manager release has gone End of Manufacturer Support, new gateway firmware will no longer be supported with that Communication Manager release.

For example, when Communication Manager 8.1.x goes End of Manufacturer Support, gateway firmware series 41.xx.xx will no longer be supported.

### Pre-Install Instructions

The following is required for installation:

- Avaya Communication Manager Release 8.x.y or later should be used since earlier versions are no longer supported.
- Browser access to the Customer Support Web site (http://support.avaya.com), or another way to get the Target File.
- SCP, FTP, or TFTP applications on your PC or Local Computer or a USB drive formatted FAT32 file system.
- G430 or G450 Media Gateways hardware version 1 or greater.
- An EASG service login or a customer administrator login is required for gateway configuration.

### File Download Instructions

Before attempting to download the latest firmware, read the "Upgrading the Branch Gateway Firmware” section in the following documents:

- Deploying and Upgrading Avaya G430 Branch Gateway
- Deploying and Upgrading Avaya G450 Branch Gateway

.**Note:** To ensure a successful download when upgrading media modules, from the system access terminal (SAT) or ASA, issue the command 'busyout board v#' before issuing 'copy tftp' command. Upon completion, from the SAT or ASA issue the command 'release board v#'.

### Backing up the software

For information about G430 and G450 Gateway backup and restore, refer to the “Backup and Restore” section in the following documents:

- Deploying and Upgrading Avaya G430 Branch Gateway
- Deploying and Upgrading Avaya G450 Branch Gateway

### Installing the release

**IMPORTANT!**

- **G430 Gateways running a release prior to Release 7.1.2 Build 39.5.0** MUST first install Release 7.1.0.4 (Build 38.21.02 or Build 38.21.32) or newer 38.xx.yy release before installing Release 10.1.x.y.

- **G450 Gateways running a release prior to Release 7.1.2 Build 39.5.0** MUST first install Release 7.1.0.5 (Build 38.21.03 or Build 38.21.33) or newer 38.xx.yy release before installing Release 10.1.x.y.

If you attempt to download Release 10.1.x.y prior to having installed Release 7.1.0.4 or Release 7.1.0.5 and execute the "`show download software status 10`" command, the system will display the following error message:

Incompatible software image for this type of device.

After installing Release 7.1.0.4 or Release 7.1.0.5, you must enable or disable Avaya Logins before downloading Release 10.1.x.y via CLI or SNMP. You can enable or disable Avaya Logins by using one of the following CLI commands:

- `login authentication services` – To enable Avaya Logins.
- `no login authentication services` – To disable Avaya Logins.

If you neglect to enable or disable Avaya Logins by using one of the above commands, you will be prompted to do so when any of the following CLI commands are used to perform a firmware download:

- `copy ftp SW_imageA`
- `copy ftp SW_imageB`
- `copy scp SW_imageA`
- `copy scp SW_imageB`
- `copy tftp SW_imageA`
- `copy tftp SW_imageB`
- `copy usb SW_imageA`
- `copy usb SW_imageB`
- `copy https SW_imageA`
- `copy https SW_ImageB`

Beginning with the 10.2 release, the SSH client is now more restrictive in its support of key exchange (KEX) algorithms, and only provides support for diffie-hellman-group14-sha1.
With 10.2, the SSH client "kex" configuration must be set only to diffie-hellman-group14-sha1:

```
G450-120(super)# ssh-client-configuration
G450-120(super-ssh-client-configuration)# set kex diffie-hellman-
group14-sha1
KexAlgorithms: diffie-hellman-group14-sha1
Done!
G450-120(super-ssh-client-configuration)# exit
```

Failure to restrict the client kex configuration in this way may result in failed gateway to SSH-server connections (e.g. "copy scp" CLI commands).

**Notes:**

- The special "dadmin" login account previously associated with ASG in releases earlier than Release 7.1.2 is no longer available.
- The gateway defaults to using TLS 1.2, PTLS, and unencrypted H.248 communication with CM. Refer to the "set link-encryption" command to adjust these settings.
- The G430 will only download the G430 firmware specific to its vintage. Firmware for G430 Vintage 3 must only use firmware having "g430v3_" indicated in the firmware image's filename. All other G430 vintages must only use firmware having "g430_" indicated in the firmware image's filename.
- The G450 will only download G450 firmware specific to its hardware vintage. Firmware for G450 Vintage 4 must only use firmware having "g450v4_" indicated in the firmware image's filename. All other G450 vintages must only use firmware having "g450_" indicated in the firmware image's filename.

For information about installing G430 and G450 Gateway firmware, refer to the "Installing the Branch Gateway" section in the following documents:

- Deploying and Upgrading Avaya G430 Branch Gateway.
- Deploying and Upgrading Avaya G450 Branch Gateway.

### Troubleshooting the installation

For information about troubleshooting G430 and G450 Gateway issues, Refer to the “Troubleshooting” section in the following documents:

- Deploying and Upgrading Avaya G430 Branch Gateway.
- Deploying and Upgrading Avaya G450 Branch Gateway.

### Restoring software to the previous version

For information about G430 and G450 Gateway backup and restore, refer to the “Backup and Restore” section in the following documents:

- Deploying and Upgrading Avaya G430 Branch Gateway.
- Deploying and Upgrading Avaya G450 Branch Gateway.

### Software Information

| Software | Version | Note |
|---|---|---|
| OS | G430 hardware vintage 1 and 2: VxWorks 6.9<br>G430 hardware vintage 3: VxWorks 7<br>G450 hardware vintage 1 thru vintage 3: VxWorks 6.9<br>G450 hardware vintage 4 VxWorks 7 | |
| Crypto Libraries | wolfSSL 5.6.3 | The wolfSSL library replaces the OpenSSL library used in previous G430 and G450 releases.<br>Client and server key exchange (kex) algorithms restricted to diffie-hellman-group14-sha1. |

## Fixes in G430 and G450 Media Gateways Release 10.2.x.x

### Fixes in G430 and G450 Media Gateways Release 10.2.1.3 (Builds 43.28.00 and 43.28.30)

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4657 | "test voip” CLI | The "test voip" CLI command reported incorrect DSP Test results on a fully functioning DSP immediately after a gateway was rebooted and prior to any VoIP calls being made (i.e. it would indicate ABORT Error Codes and loopback test failures). | 10.2.1.2 |

### Fixes in G430 and G450 Media Gateways Release 10.2.1.2 (Builds 43.26.00 and 43.26.30)

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4590 | Analog Ring Ping duration | Communication Manager provides the ability to program a station so that a button can remotely unlock a door using a relay connected to an analog port. The duration of the analog Ring-Ping signal used by the gateway to support this feature has been changed to 600ms when using Communication Manager (CM) Release 10.1.3.6 or later.<br>A duration of 200ms will continue to be used when an earlier CM Release is used. | 7.0 |
| CMG4XX-4616 | Service Port access after upgrade | Fixed an issue where gateways that upgraded from firmware versions 41.38.xx through 43.24.xx could not be accessed via the services port after a nvram init was performed. | 10.1.0.2 |
| CMG4XX-4625 | Fast ethernet and Services port | The "show interface" command for the FastEthernet and Services ports has been updated to also display speed of 1 Gigabit for new gateways that support this speed (i.e. G430v3, G450v4). | 10.1 |
| CMG4XX-4627 | HTTP Client download | Fixed an issue with the gateway's HTTP client being unable to successfully download files when TLS 1.3 is configured. | 10.2 |
| CMG4XX-4628 | OSPF | Fixed an issue where a gateway that had OSPF enabled could not be accessed after upgrading to firmware version 42.32.0 and later. | 10.1.2 |
| CMG4XX-4633 | SCP upload | Fixed issue where some SCP upload errors were not being reported by the CLI 'show upload status' command. | 10.1 |

### Fixes in G430 and G450 Media Gateways Release 10.2.1.1 (Builds 43.24.00 and 43.24.30)

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4606 | SSH | Fixed a small memory leak that was discovered to occur after SSH sessions using public key authentication are closed. | 10.2.1 |
| CMG4XX-4610 | EASG | Fixed the EASGProductCert command to correctly display the product certificate's start and expiration dates. | 10.2.1 |

### Fixes in G430 and G450 Media Gateways Release 10.2.1.0 (Builds 43.22.00 and 43.22.30)

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4508 | G450v4 Compact Flash | On the G450v4, a reset could occur when an idle Compact Flash was inserted or removed. This behavior has been improved so that resets no longer occur on insertion or removal of idle Compact Flash. | 10.2 |
| CMG4XX-4523 | G450v4 ASB Button | After pressing the ASB button the G450v4 gateway booted from the alternate bank as it should. However, subsequent CLI resets did not clear the ASB indicator, and the boot code continued to boot from the alternate bank. | 10.1 |
| CMG4XX-4575 | QoS Traps | Fixed issue where the QoS Trap status was not saved correctly in the startup config. | 10.1 |
| CMG4XX-4582 | SNMPv3 DES | DES is now allowed for SNMPv3 login authentication when not in FIPS mode in older G430s and G450s. This was added for backward compatibility. | 10.2 |
| CMG4XX-4586 | FTP | Fixed a memory leak that was present in the gateway's FTP server. | 8.1.3 |

### Fixes in G430 and G450 Media Gateways Release 10.2.0.1 (Builds 43.13.00 and 43.13.30)

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4450 | Analog Lines | DTMF detection improved in analog lines having a very long length that experience a symptom known as "reverse twist". | 8.1.3 |
| CMG4XX-4466, CMG4XX-4467 | VPN | Fixed an issue where a VPN session would fail due to an issue calculating the shared secret. | 10.2 |
| CMG4XX-4457 | MM721 BRI Module | Fixed a sanity timeout issue that prevented an MM721 from properly coming into service immediately after its firmware has been updated. | 10.1.3 |
| CMG4XX-4471 | SSH, “show crypto key” CLI command | Fixed the "show crypto key" CLI command so that gateway will not reset when invoked from an SSH session. | 10.2 |

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| CMG4XX-4476 | TLS 1.3, “set link-encryption” CLI command | Fixed the "set link-encryption" CLI command so selecting TLS1.3 for H.248 will remain enabled after a reboot. | 10.2 |
| CMG4XX-4487 | “copy https” CLI command | Fixed an issue where the ‘copy https’ commands did not use customer provided certificates and failed to download the startup-configuration. | 10.2 |

### Fixes in G430 and G450 Media Gateways Release 10.2 (Builds 43.09.00 and 43.09.30)

N/A

## Known issues and workarounds in G430 and G450 Media Gateways Release 10.2.x.x

### Known issues and workarounds in G430 and G450 Media Gateways Release 10.2

The following table lists the known issues, symptoms, and workarounds in this release:

| ID | Visible symptoms | Workaround |
|---|---|---|
| N/A | This BG version doesn't support multiple IPv6 VLAN interfaces. | Use single VLAN interface with IPv6. |
| N/A | In Edge Mode, the gateway may fail to register with CM after a gateway reboot if the registration source port range was configured to use a very small range of ports (e.g. "set registration source-port-range 1024 1025"). | Use as wide a range as possible when using the "set registration source-port-range" command or use the "set registration default source-port-range" command. |

## Languages supported

- English

## Documentation errata

- None

## Avaya Aura® Media Server

For latest information, see the following Avaya Aura® Media Server Release Notes on the Avaya Support website:

- Release 10.1 Release Notes at: https://support.avaya.com/css/public/documents/101081316
- Release 10.2 Release Notes at: https://support.avaya.com/css/public/documents/101092135

# Avaya WebLM

**Note**: WebLM did not require an update in the Aura 10.2 release and therefore Standalone WebLM 10.1.3.1 and higher release should continue to be used.

10.1.3.1 and higher standalone WebLM release supported version with Aura 10.2

For more information, see:

- ***Avaya Aura® Release Notes Release 10.1.x*** at: https://support.avaya.com/css/public/documents/101078965
- ***What's New in Avaya Aura® Release 10.2.x*** at: https://download.avaya.com/css/public/documents/101087359

# Avaya Aura® Device Services

## Required artifacts for Avaya Aura® Device Services Release 10.2.1.3

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| aads-10.2.1.3.13.bin | AADS000000209 | 940 | 10.2.1.3 | AADS 10.2.1.3 GA load |

## Installation for Avaya Aura® Device Services Release 10.2.1.3

### Upgrading the Avaya Aura® Device Services software Release 10.2.1.3

**IMPORTANT**:

**It would be recommended to take a snapshot of the existing load before the upgrade.**

### Upgrade from 10.2.1.2.7 to 10.2.1.3.13

- Upgrade SMGR to the latest 8.1.3.x/10.1/10.2.x GA load if needed.
- Upgrade SM(s) to the latest 8.1.3.x/10.1/10.2.x GA load if needed.
- Update to SSP15 (If not already updated)
    - Download SSP15 to admin user's home directory.
        - svc aads stop
        - av-update-os AV-AADS10.2-RHEL8.x-SSP-015-01.tar.bz2
        - SSP15 installation reboots the server at the end. After reboot, verify Security Service Pack 15 version
            - *av-version*
            - It shows the output as below

              ---
              OS_VERSION: Red Hat Enterprise Linux release 8.4 (Ootpa)
              AV_SSP_VERSION : 015
              AV_BUILD_NUMBER : 01
              ---

              **Note**:
              If cluster setup, please update SSP15 on all nodes before running "app upgrade"
        - svc aads start
- Download AADS 10.2.1.3 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.3.13 binary.
    - *chmod 750 /home/admin/aads-10.2.1.3.13.bin*
- Remove inactive versions (if any) using command "*app removeinactive*"
- Use terminal multiplexer command "tmux" (useful in case if ssh connection drops during install/upgrade)
    - Start the install/upgrade on a tmux session.
    - To start tmux session, run
        - *tmux*
        - Run install/upgrade as usual
        - app upgrade ./aads-10.2.1.3.13.bin
    - If the ssh terminal hangs or disconnects, login to vCenter VM console
        - First list all tmux sessions
        - *tmux ls* # output as shown below, the circled integer is session_id that will be used to re-attach in next step


- To reattach to the running tmux session, shown in above step
  - tmux attach-session -t 0
  - the screen should re-attach to earlier screen created using tmux

**Note:** If cluster setup, please install "aads-10.2.1.3.13.bin" first on seed node, later repeat this step for backup node

- Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
  - *svc aads restart*

### Software only deployment: Upgrade from 10.2.1.2.7 to 10.2.1.3.13

- Upgrade SMGR to the latest 8.1.3.x/10.1/10.2 GA load if needed.
- Upgrade SM(s) to the latest 8.1.3.x/10.1/10.2 GA load if needed.
- Download AADS 10.2.1.3.13 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.3.13 binary.
  - *chmod 750 /home/admin/aads-10.2.1.3.13.bin*
- Install AADS 10.2.1.3.13 binary
  - *app upgrade /home/admin/aads-10.2.1.3.13.bin*
- **Note:** If cluster setup, please install "aads-10.2.1.3.13.bin" first on seed node, later repeat this step for backup node
  - Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
    - *svc aads restart*
- **Note for AADS software only deployment on Fresh RHEL 8.10 system:** If want to install AADS 10.2.1 on fresh RHEL 8.10 system, please use "*aads-swonly-10.2.1.0.41.tgz*"

For detailed information about upgrading Avaya Aura® Device Services, please refer Avaya Aura® Device Services Administration Guide at: https://support.avaya.com

### Additional supported upgrade paths

- AADS 10.2 GA => AADS 10.2.1.3
- AADS 10.2.x => AADS 10.2.1.3

## Fixes in Avaya Aura® Device Services 10.2.1.3

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ACS-30525 | All AADS services are up and running on all nodes | CFD: PEA - 1-AGBDAJU \| AADS nginx:could not allocate new session in SSL | 10.2.x |
| ACS-30591 | All AADS services are up and running on all nodes | PCI Vuln - On-prem - 249644 - Red Hat Update for keepalived (RHSA-2025:0743) | 10.2.x |
| ACS-30630 | All AADS services are up and running on all nodes | Automated backup process removes only the current snapshot but does not | 10.2.x |

| | | | |
|---|---|---|---|
| | | delete old ones if the backup fails or there is a disk space issue | |
| ACS-30632 | All AADS services are up and running on all nodes | PEA 1-APH3GGV After successfully upgrade to 10.2.1.2.7 on backup node, unable to start httpd(utilserv) service | 10.2.1.2.7 |
| ACS-30633 | All AADS services are up and running on all nodes | Update the java-17-openjdk package to address the security vulnerabilities covered under RHSA-2025:10867 for RHEL 8 x86_64 | 10.2.x |
| ACS-30640 | All AADS services are up and running on all nodes | Upgrade Apache Tomcat 9 to version 9.0.111 patch CVE-2025-55752 | 10.2.x |
| ACS-30641 | All AADS services are up and running on all nodes | PEA# 1-AMQ92VW: Configurations url does not work when iView Server is unreachable or disabled | 10.2.x |

## Required artifacts for Avaya Aura® Device Services Release 10.2.1.2

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| aads-10.2.1.2.7.bin | AADS000000200 | 938 | 10.2.1.2 | AADS 10.2.1.2 GA load |

## Installation for Avaya Aura® Device Services Release 10.2.1.2

### Upgrading the Avaya Aura® Device Services software Release 10.2.1.2

**IMPORTANT**:

**It would be recommended to take a snapshot of the existing load before the upgrade.**

### Upgrade from 10.2.1.1.22 to 10.2.1.2.7

- Upgrade SMGR to the latest 8.1.3.x/10.1/10.2.x GA load if needed.
- Upgrade SM(s) to the latest 8.1.3.x/10.1/10.2.x GA load if needed.
- Update to SSP14
    - Download SSP14 to admin user's home directory.
        - svc aads stop
        - av-update-os AV-AADS10.2-RHEL8.x-SSP-014-01.tar.bz2
        - SSP14 installation reboots the server at the end. After reboot, verify Security Service Pack 14 version

- *av-version*
- It shows the output as below

  ---
  OS_VERSION: Red Hat Enterprise Linux release 8.4 (Ootpa)
  AV_SSP_VERSION : 014
  AV_BUILD_NUMBER : 01
  ---

  **Note**:
  If cluster setup, please update SSP14 on all nodes before running "app upgrade"
- svc aads start

- Download AADS 10.2.1.2 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.2.7 binary.
  - *chmod 750 /home/admin/aads-10.2.1.2.7.bin*
- Remove inactive versions (if any) using command "*app removeinactive*"
- Use terminal multiplexer command "tmux" (useful in case if ssh connection drops during install/upgrade)
  - Start the install/upgrade on a tmux session.
  - To start tmux session, run
    - *tmux*
    - Run install/upgrade as usual
    - app upgrade ./aads-10.2.1.2.7.bin
  - If the ssh terminal hangs or disconnects, login to vCenter VM console
    - First list all tmux sessions
    - *tmux ls* # output as shown below, the circled integer is session_id that will be used to re-attach in next step
    - 
      
  - To reattach to the running tmux session, shown in above step
    - tmux attach-session -t 0
    - the screen should re-attach to earlier screen created using tmux

**Note:** If cluster setup, please install "aads-10.2.1.2.7.bin" first on seed node, later repeat this step for backup node

- Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
  - *svc aads restart*

### Software only deployment: Upgrade from 10.2.1.1.2 to 10.2.1.2.7

- Upgrade SMGR to the latest 8.1.3.x/10.1/10.2 GA load if needed.
- Upgrade SM(s) to the latest 8.1.3.x/10.1/10.2 GA load if needed.
- Download AADS 10.2.1.2.7 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.2.7 binary.
  - *chmod 750 /home/admin/aads-10.2.1.2.7.bin*
- Install AADS 10.2.1.2.7 binary
  - *app upgrade /home/admin/aads-10.2.1.2.7.bin*
- **Note:** If cluster setup, please install "aads-10.2.1.2.7.bin" first on seed node, later repeat this step for backup node
  - Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
    - *svc aads restart*
- **Note for AADS software only deployment on Fresh RHEL 8.10 system:** If want to install

AADS 10.2.1 on fresh RHEL 8.10 system, please use "*aads-swonly-10.2.1.0.41.tgz*"

For detailed information about upgrading Avaya Aura® Device Services, please refer Avaya Aura® Device Services Administration Guide at: https://support.avaya.com

### Additional supported upgrade paths

- AADS 10.2 GA => AADS 10.2.1.2
- AADS 10.2.x => AADS 10.2.1.2

## Fixes in Avaya Aura® Device Services 10.2.1.2

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ACS-22214 | All AADS services are up and running on all nodes | Utility server logs under location /var/log/Avaya/httpd_log/ do not rotate | 10.2.x |
| ACS-30388 | All AADS services are up and running on all nodes | CFD: PEA - 1-AF1M8J6 \| NESSUS SCAN showing no HSTS Header on Port 9443 for AADS | 10.1.1.x |
| ACS-30480 | All AADS services are up and running on all nodes | CFD: PEA - 1-AFIM3IN \| Customer is using the SMGR GUI to send test alarm for AADS it's failing | 10.1.1.x |
| ACS-30622 | All AADS services are up and running on all nodes | Can't delete Appcast Item in AADS | 10.2.1.1 |
| ACS-30623 | All AADS services are up and running on all nodes | cron logs getting logs messages about older AADS versions | 10.2.1.0 |
| ACS-30624 | All AADS services are up and running on all nodes | CFD: PEA - 1-AJF44R9 \| AADS and SMGR replication is getting failed | 10.2.1.0 |

## What's new in Avaya Aura® Device Services Release 10.2.1.1

The following table lists the enhancements in Avaya Aura® Device Services 10.2.1.1

| Enhancement | Description |
|---|---|
| ACS-30548 | Updated the oauth client code to use http proxy |
| ACS-30575 | Upgraded the tomcat Version to 9.0.102 |
| ACS-30488 | Filter SMGR contacts from search contacts. |

- VMware ESXi 8.0.3 U3 platform support.

## Required artifacts for Avaya Aura® Device Services Release 10.2.1.1

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| aads-10.2.1.1.22.bin | AADS000000188 | 938 | 10.2.1.1 | AADS 10.2.1.1 GA load |

## Installation for Avaya Aura® Device Services Release 10.2.x.x

### Upgrading the Avaya Aura® Device Services software Release 10.2.1.1

**IMPORTANT**:

**It would be recommended to take a snapshot of existing load before the upgrade.**

### Upgrade from 10.2.1.0.41 to 10.2.1.1.22

- Upgrade SMGR to the latest 8.1/10.1/10.2.x GA load if needed.
- Upgrade SM(s) to the latest 8.1/10.1/10.2.x GA load if needed.
- Update to at least SSP11 (not required if already on SSP11)
    - Download SSP11 to admin user's home directory.
        - svc aads stop
        - av-update-os AV-AADS10.2-RHEL8.x-SSP-011-03.tar.bz2
        - SSP11 installation reboots the server at the end. After reboot, verify Security Service Pack 11 version
            - *av-version*
            - It shows the output as below

              ---
              OS_VERSION: Red Hat Enterprise Linux release 8.4 (Ootpa)
              AV_SSP_VERSION : 011
              AV_BUILD_NUMBER : 03
              ---

              **Note**:
              If cluster setup, please update SSP11 on all nodes before running "app upgrade"
        - svc aads start
- Download AADS 10.2.1.1 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.1.22 binary.
    - chmod 750 /home/admin/aads-10.2.1.1.22.bin
- Remove inactive versions (if any) using command "*app removeinactive*"
- Use terminal multiplexer command "tmux" (useful in case if ssh connection drops during install/upgrade)
    - Start the install/upgrade on a tmux session.
    - To start tmux session, run
        - *tmux*
        - Run install/upgrade as usual
        - app upgrade ./aads-10.2.1.1.22.bin
    - If the ssh terminal hangs or disconnects, login to vCenter VM console
        - First list all tmux sessions
        - *tmux ls* # output as shown below, the circled integer is session_id that will be used to re-attach in next step
        - 
          
    - To reattach to the running tmux session, shown in above step

- tmux attach-session -t 0
- the screen should re-attach to earlier screen created using tmux

**Note:** If cluster setup, please install "aads-10.2.1.1.22.bin" first on seed node, later repeat this step for backup node

- On Seed node, cassandra rebuild may take 15-20 minutes during upgrade depending on the data.
- Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
  - svc aads restart

### Software only deployment: Upgrade from 10.2.1.0.41 to 10.2.1.1.22

- Upgrade SMGR to the latest 8.1/10.1/10.2 GA load if needed.
- Upgrade SM(s) to the latest 8.1/10.1/10.2 GA load if needed.
- Download AADS 10.2.1.1.22 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.1.22 binary.

*chmod 750 /home/admin/aads-10.2.1.1.22.bin*

- Install AADS 10.2.1.1.22 binary

*app upgrade /home/admin/aads-10.2.1.1.22.bin*

- **Note:** If cluster setup, please install "aads-10.2.1.1.22.bin" first on seed node, later repeat this step for backup node
  - On Seed node, cassandra rebuild may take 15-20 minutes during upgrade depending on the data.
  - Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
- **Note for AADS software only deployment on Fresh RHEL 8.10 system:** If want to install AADS 10.2.1 on fresh RHEL 8.10 system, please use "*aads-swonly-10.2.1.0.41.tgz"*

For detailed information about upgrading Avaya Aura® Device Services, please refer Avaya Aura® Device Services Administration Guide at: https://support.avaya.com

### Additional supported upgrade paths

- AADS 10.1.1.x => AADS 10.2.1.1
- AADS 10.2 GA => AADS 10.2.1.1
- AADS 10.2.x => AADS 10.2.1.1

## Fixes in Avaya Aura® Device Services 10.2.1.1

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ACS-30516 | All AADS services are up and running on all nodes | "app status" command returns nftables error. Port 24010.2.1.0 (tcp) not found in nftables | 10.2.x |
| ACS-29780 | All AADS services are up and running on all nodes | SRV record does not switch when primary LDAP server is down | 10.1.1.x |

| | | | |
|---|---|---|---|
| ACS-30522 | All AADS services are up and running on all nodes | Alarm reported on Jan 16th is not cleared (SMGR/DRS) | 10.2.0.1 |

## What's new in Avaya Aura® Device Services Release 10.2.1.0

The following table lists the enhancements in Avaya Aura® Device Services 10.2.1.0

| Enhancement | Description |
|---|---|
| ACS-29852 | Keycloak logging improvement |
| ACS-29761 | Keycloak with FIPS support |
| ACS-29959 | RHEL 8.10 Support |

For more information, see ***What's New in Avaya Aura® Release 10.2.x*** document on the Avaya Support site: https://download.avaya.com/css/public/documents/101087359

## Security Service Pack

### Security Service Pack

For further information on SSP contents and installation procedures for AADS 10.2.x, please see PSN document for SSP on https://support.avaya.com.

**SSPs cannot be installed on "software-only" deployments.**

## Required artifacts for Avaya Aura® Device Services Release 10.2.1.0

| Filename | PLDS ID | File size (MB) | S/W Version number | Comments |
|---|---|---|---|---|
| aads-10.2.1.0.41.bin | AADS000000183 | 960 | 10.2.1.0 | AADS 10.2.1.0 GA load |
| aads-swonly-10.2.1.0.41.tgz | AADS000000184 | 969 | 10.2.1.0 | AADS 10.2.1.0 software only bundle |
| AV-AADS10.2-RHEL8.10-OSUpdate-001.tar.bz2 | AADS000000185 | 734 | 10.2.x | AADS RHEL 8.10 OS upgrade patch |

### Software information

| Software | Version | Note |
|---|---|---|
| Database | Cassandra 4.1.3<br>Postgres 13.3 | Avaya Aura Device Services databases.<br>Cassandra: Application database<br>Postgres: SMGR Replication and keycloak database |
| OS | RHEL 8.4 64 bit | Used as the operating system for the AADS OVA. |

| | | |
|---|---|---|
| | | It is required in the case of Software Only deployment. |
| Open JDK | 1.8 update 382 64 bit<br><br>java-17-openjdk-17.0.14.0.7-3.el8.x86_64 | For AADS application, Open JDK 1.8.0- java-1.8.0-openjdk-1.8.0.382<br><br>For keycloak, java-17-openjdk- 17.0.14.0.7-3.el8.x86_64 |
| Application Server | nginx-1.20.2-1<br><br>Tomcat- 9.0.102-1 | Nginx: Reverse proxy server<br>Tomcat: Application server |
| Supported Browsers | Chrome (minimum version 117.0) | Earlier versions of Chrome are not supported |
| | Edge (minimum version 117.0) | Earlier versions of Edge are not supported |
| | Firefox (minimum version 118.0) | Earlier versions of Firefox are no longer supported. |
| VMware vCenter Server, ESXi Host | 7.0.X, 8.0, 8.0 Update 2 | Earlier versions of VMware are no longer supported.<br>Avaya Aura® Release 10.2.x supports VMware 8.0 and VMware 8.0 Update 2.<br>Avaya Aura® Release 10.2.x does not support VMware 8.0 Update 1. For information about known issues, see VMware 8.0 Update 1 Release Notes on the VMware website at https://docs.vmware.com/en/VMware-vSphere/8.0/rn/vsphere-6vcenter-server-801-release-notes/index.html. |

## Installation for Avaya Aura® Device Services Release 10.2.x.x

### Upgrading the Avaya Aura® Device Services software Release 10.2.1.0

**IMPORTANT**:

**It would be recommended to take a snapshot of existing load before the upgrade.**

### Upgrade from 10.2.0.1.16 to 10.2.1.0.41

- Upgrade SMGR to the latest 8.1/10.1/10.2.x GA load if needed.
- Upgrade SM(s) to the latest 8.1/10.1/10.2.x GA load if needed.
- Update to at least SSP8 (not required if already on SSP8 or any latest)
    - Download SSP8 to admin user's home directory.
        - svc aads stop
        - av-update-os AV-AADS10.1-RHEL8.4-SSP-008-02.tar.bz2
        - SSP8 installation reboots the server at the end. After reboot, verify Security Service Pack 8 version
            - *av-version*
            - It shows the output as below

              ---

              OS_VERSION: Red Hat Enterprise Linux release 8.4 (Ootpa)

AV_SSP_VERSION : 008
AV_BUILD_NUMBER : 02
---

**Note**:
If cluster setup, please update SSP8 on all nodes before running "app upgrade"

- svc aads start

- Download AADS 10.2.1.0 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.0.41 binary.
  - chmod 750 /home/admin/aads-10.2.1.0.41.bin
- Remove inactive versions (if any) using command "*app removeinactive*"
- Use terminal multiplexer command "tmux" (useful in case if ssh connection drops during install/upgrade)
  - Start the install/upgrade on a tmux session.
  - To start tmux session, run
    - *tmux*
    - Run install/upgrade as usual
    - app upgrade ./aads-10.2.1.0.41.bin
  - If the ssh terminal hangs or disconnects, login to vCenter VM console
    - First list all tmux sessions
    - *tmux ls* # output as shown below, the circled integer is session_id that will be used to re-attach in next step
    - 

  - To reattach to the running tmux session, shown in above step
    - tmux attach-session -t 0
    - the screen should re-attach to earlier screen created using tmux

**Note:** If cluster setup, please install "aads-10.2.1.0.41.bin" first on seed node, later repeat this step for backup node

- On Seed node, cassandra rebuild may take 15-20 minutes during upgrade depending on the data.
- Once installation/upgrade is done with all nodes, restart AADS services on seed node first. Once services on seed node are up and running, restart aads services on other nodes in cluster.
  - svc aads restart

## Software only deployment: Upgrade from 10.2.0.1.16 to 10.2.1.0.41

- Upgrade SMGR to the latest 8.1/10.1/10.2 GA load if needed.
- Upgrade SM(s) to the latest 8.1/10.1/10.2 GA load if needed.
- Download AADS 10.2.1.0.41 binary to admin user's home directory.
- Set executable permissions to AADS 10.2.1.0.41 binary.

  *chmod 750 /home/admin/aads-10.2.1.0.41.bin*

- Install AADS 10.2.1.0.41 binary

  *app upgrade /home/admin/aads-10.2.1.0.41.bin*

- **Note:** If cluster setup, please install "aads-10.2.1.0.41.bin" first on seed node, later repeat this step for backup node
  - On Seed node, cassandra rebuild may take 15-20 minutes during upgrade depending on the data.
  - Once installation/upgrade is done with all nodes, restart AADS services on seed node

first. Once services on seed node are up and running, restart aads services on other nodes in cluster.

- **Note for AADS software only deployment on Fresh RHEL 8.10 system:** If want to install AADS 10.2.1 on fresh RHEL 8.10 system, please use "*aads-swonly-10.2.1.0.41.tgz*"

For detailed information about upgrading Avaya Aura® Device Services, please refer Avaya Aura® Device Services Administration Guide at: https://support.avaya.com

## Fixes in Avaya Aura® Device Services 10.2.1.0

| ID | Minimum conditions | Visible symptoms | Issue found in Release |
|---|---|---|---|
| ACS-29755 | All AADS services are up and running on all nodes | AutoConfiguration Failure if SMGRLoginName is null for a given | 10.2.x |
| ACS-30088 | All AADS services are up and running on all nodes | CFD: PEA - 1-AB164LM \| httpd process will not start on the SEED node after restarting aads services. (AVAYA - APS) | 10.2.0.1 |
| ACS-30052 | All AADS services are up and running on all nodes | CFD: PEA - 1-AAGODRY \| setSNMPTrapDestination.sh script does not work. (Daiwa Institute of Research) | 10.2.x |
| ACS-30187 | All AADS services are up and running on all nodes | Cassandra LOCAL_QUORUM issue for 2 Node Cluster. | 10.2.0.1 |
| ACS-30098 | All AADS services are up and running on all (minimum 2 nodes) | AADS 10.2 needs at least 2 nodes in cluster up to function | 10.2.0.1 |
| ACS-30052 | All AADS services are up and running on all nodes and any third-party SNMP server is configured | CFD: PEA - 1-AAGODRY \| setSNMPTrapDestination.sh script does not work. (Daiwa Institute of Research) | 10.2.x |
| ACS-30243 | AADS software only system with RHEL 8.4 OS installed | swonly installer of system layer has RPM failures | 10.2.x |

## Known issues and workarounds in Avaya Aura® Device Services in Release 10.2.1.0

| ID | Summary | Affect versions | Workaround |
|---|---|---|---|
| ACS-29487 | keepalived-config.properties and aads-rules.nft files updating don't get updated | 10.1 | Update AADS_NODE_IP in /etc/nftables/aads-rules.nft manually if switched from |

| | | | |
|---|---|---|---|
| | as part of GUI change when switching to LB | | internal LB to external LB, o.w. not required<br>ip daddr <AADS_NODE_IP> tcp dport 443 counter packets 0 bytes 0 redirect to :8443 |
| ACS-29461 | Not able to login keyclaok admin GUI after rollback | 10.2.x | Use Vmware snapshot feature before upgrading to 10.2 |