

Avaya Solutions Platform 130 & S8300 Series

Updating to R6.0.0.2.0 (RHEL 8.10) from R6.0.x (RHEL 8.10)

June 2025

Release 6.0.0.2.0

Rev 3.0

© 2025, Avaya LLC. All Rights Reserved.

Notice

While reasonable efforts have been made to ensure that the information in this document is complete and accurate at the time of printing, Avaya assumes no liability for any errors. Avaya reserves the right to make changes and corrections to the information in this document without the obligation to notify any person or organization of such changes.

Documentation disclaimer

"Documentation" means information published in varying mediums which may include product information, operating instructions and performance specifications that are generally made available to users of products. Documentation does not include marketing materials. Avaya shall not be responsible for any modifications, additions, or deletions to the original published version of Documentation unless such modifications, additions, or deletions were performed by or on the express behalf of Avaya. End User agrees to indemnify and hold harmless Avaya, Avaya's agents, servants and employees against all claims, lawsuits, demands and judgments arising out of, or in connection with, subsequent modifications, additions or deletions to this documentation, to the extent made by End User.

Link Disclaimer

Avaya is not responsible for the contents or reliability of any linked websites referenced within this site or Documentation provided by Avaya. Avaya is not responsible for the accuracy of any information, statement or content provided on these sites and does not necessarily endorse the products, services, or information described or offered within them. Avaya does not guarantee that these links will work all the time and has no control over the availability of the linked pages.

Warranty

Avaya provides a limited warranty on Avaya hardware and software. Refer to your sales agreement to establish the terms of the limited warranty. In addition, Avaya's standard warranty language, as well as information regarding support for this product while under warranty is available to Avaya customers and other parties through the Avaya Support website: https://support.avaya.com/helpcenter/

getGenericDetails?detailId=C20091120112456651010 under the link "Warranty & Product Lifecycle" or such successor site as designated by Avaya. Please note that if You acquired the product(s) from an authorized Avaya Channel Partner outside of the United States and Canada, the warranty is provided to You by said Avaya Channel Partner and not by Avaya. "Hosted Service" means an Avaya hosted service subscription that You acquire from either Avaya or an authorized Avaya Channel Partner (as applicable) and which is described further in Hosted SAS or other service description documentation regarding the applicable hosted service. If You purchase a Hosted Service subscription, the foregoing limited warranty may not apply but You may be entitled to support services description documents for the applicable Hosted Service. Contact Avaya or Avaya Channel Partner (as applicable) for more information.

Hosted Service

THE FOLLOWING APPLIES ONLY IF YOU PURCHASE AN AVAYA HOSTED SERVICE SUBSCRIPTION FROM AVAYA OR AN AVAYA CHANNEL PARTNER (AS APPLICABLE), THE TERMS OF USE FOR HOSTED SERVICES ARE AVAILABLE ON THE AVAYA WEBSITE, HTTPS://SUPPORT.AVAYA.COM/LICENSEINFO UNDER THE LINK "Avava Terms of Use for Hosted Services" OR SUCH SUCCESSOR SITE AS DESIGNATED BY AVAYA AND ARE APPLICABLE TO ANYONE WHO ACCESSES OR USES THE HOSTED SERVICE. BY ACCESSING OR USING THE HOSTED SERVICE, OR AUTHORIZING OTHERS TO DO SO, YOU, ON BEHALF OF YOURSELF AND THE ENTITY FOR WHOM YOU ARE DOING SO (HEREINAFTER REFERRED TO INTERCHANGEABLY AS "YOU" AND "END USER"), AGREE TO THE TERMS OF USE. IF YOU ARE ACCEPTING THE TERMS OF USE ON BEHALF A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT THAT YOU HAVE THE AUTHORITY TO BIND SUCH ENTITY TO THESE TERMS OF USE. IF YOU DO NOT HAVE SUCH AUTHORITY, OR IF YOU DO NOT WISH TO ACCEPT THESE TERMS OF USE, YOU MUST NOT ACCESS OR USE THE HOSTED SERVICE OR AUTHORIZE ANYONE TO ACCESS OR USE THE HOSTED SERVICE.

Licenses

THE SOFTWARE LICENSE TERMS AVAILABLE ON THE AVAYA WEBSITE, HTTPS://SUPPORT.AVAYA.COM/LICENSEINFO, UNDER THE LINK "AVAYA SOFTWARE LICENSE TERMS (Avaya Products)" OR SUCH SUCCESSOR SITE AS DESIGNATED BY AVAYA, ARE APPLICABLE TO ANYONE WHO DOWNLOADS, USES AND/OR INSTALLS AVAYA SOFTWARE, PURCHASED FROM AVAYA INC., ANY AVAYA AFFILIATE, OR AN AVAYA CHANNEL PARTNER (AS APPLICABLE) UNDER A COMMERCIAL AGREEMENT WITH AVAYA OR AN AVAYA CHANNEL PARTNER. UNLESS OTHERWISE AGREED TO BY AVAYA IN WRITING, AVAYA DOES NOT EXTEND THIS LICENSE IF THE SOFTWARE WAS OBTAINED FROM ANYONE OTHER THAN AVAYA, AN AVAYA AFFILIATE OR AN AVAYA CHANNEL PARTNER; AVAYA RESERVES THE RIGHT TO TAKE LEGAL ACTION AGAINST YOU AND ANYONE ELSE USING OR SELLING THE SOFTWARE WITHOUT A LICENSE. BY INSTALLING, DOWNLOADING OR USING THE SOFTWARE, OR AUTHORIZING OTHERS TO DO SO, YOU, ON BEHALF OF YOURSELF AND THE ENTITY FOR WHOM YOU ARE INSTALLING, DOWNLOADING OR USING THE SOFTWARE (HEREINAFTER REFERRED TO INTERCHANGEABLY AS "YOU" AND "END USER"), AGREE TO THESE TERMS AND CONDITIONS AND CREATE A BINDING CONTRACT BETWEEN YOU AND AVAYA INC. OR THE APPLICABLE AVAYA AFFILIATE ("AVAYA"). Avaya grants You a license within the scope of the license types described below, with the exception of Heritage Nortel Software, for which the scope of the license is detailed below. Where the order documentation does not expressly identify a license type, the applicable license will be a Designated System License as set forth below in the Designated System(s) License (DS) section as applicable. The applicable number of licenses and units of capacity for which the license is granted will be one (1), unless a different number of licenses or units of capacity is specified in the documentation or other materials available to You. "Software" means computer programs in object code, provided by Avaya or an Avaya Channel Partner, whether as stand-alone products, preinstalled on hardware products, and any upgrades, updates, patches, bug fixes, or modified versions thereto. "Designated Processor" means a single stand-alone computing device. "Server" means a set of Designated Processors that hosts (physically or virtually) a software application to be accessed by multiple users. "Instance" means a single copy of the Software executing at a particular time: (i) on one physical machine; or (ii) on one deployed software virtual machine ("VM") or similar deployment.

License types

Designated System(s) License (DS). End User may install and use each copy or an Instance of the Software only: 1) on a number of Designated Processors up to the number indicated in the order; or 2) up to the number of Instances of the Software as indicated in the order, Documentation, or as authorized by Avaya in writing. Avaya may require the Designated Processor(s) to be identified in the order by type, serial number, feature key, Instance, location or other specific designation, or to be provided by End User to Avaya through electronic means established by Avaya specifically for this purpose.

Heritage Nortel Software

"Heritage Nortel Software" means the software that was acquired by Avaya as part of its purchase of the Nortel Enterprise Solutions Business in December 2009. The Heritage Nortel Software is the software contained within the list of Heritage Nortel Products located at https://support.avaya.com/LicenseInfo under the link "Heritage Nortel Products" or such successor site as designated by Avaya. For Heritage Nortel Software, Avaya grants Customer a license to use Heritage Nortel Software provided hereunder solely to the extent of the authorized activation or authorized usage level, solely for the purpose specified in the Documentation, and solely as embedded in, for execution on, or for communication with Avaya equipment. Charges for Heritage Nortel Software may be based on extent of activation or use authorized as specified in an order or invoice.

Copyright

Except where expressly stated otherwise, no use should be made of materials on this site, the Documentation, Software, Hosted Service, or hardware provided by Avaya. All content on this site, the documentation, Hosted Service, and the product provided by Avaya including the selection, arrangement and design of the content is owned either by Avaya or its licensors and is protected by copyright and other intellectual property laws

including the sui generis rights relating to the protection of databases. You may not modify, copy, reproduce, republish, upload, post, transmit or distribute in any way any content, in whole or in part, including any code and software unless expressly authorized by Avaya. Unauthorized reproduction, transmission, dissemination, storage, and or use without the express written consent of Avaya can be a criminal, as well as a civil offense under the applicable law.

Virtualization

The following applies if the product is deployed on a virtual machine. Each product has its own ordering code and license types. Unless otherwise stated, each Instance of a product must be separately licensed and ordered. For example, if the end user customer or Avaya Channel Partner would like to install two Instances of the same type of products, then two products of that type must be ordered.

Third Party Components

"Third Party Components" mean certain software programs or portions thereof included in the Software or Hosted Service may contain software (including open-source software) distributed under third party agreements ("Third Party Components"), which contain terms regarding the rights to use certain portions of the Software ("Third Party Terms"). As required, information regarding distributed Linux OS source code (for those products that have distributed Linux OS source code) and identifying the copyright holders of the Third Party Components and the Third Party Terms that apply is available in the products, Documentation or on Avaya's website at: https://support.avaya.com/Copyright or such successor site as designated by Avaya. The open-source software license terms provided as Third-Party Terms are consistent with the license rights granted in these Software License Terms, and may contain additional rights benefiting You, such as modification and distribution of the open-source software. The Third-Party Terms shall take precedence over these Software License Terms, solely with respect to the applicable Third-Party Components to the extent that these Software License Terms impose greater restrictions on You than the applicable Third-Party Terms.

The following applies only if the H.264 (AVC) codec is distributed with the product. THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE <u>HTTP://WWW.MPEGLA.COM</u>.

Service Provider

THE FOLLOWING APPLIES TO AVAYA CHANNEL PARTNER'S HOSTING OF AVAYA PRODUCTS OR SERVICES. THE PRODUCT OR HOSTED SERVICE MAY USE THIRD PARTY COMPONENTS SUBJECT TO THIRD-PARTY TERMS AND REQUIRE A SERVICE PROVIDER TO BE INDEPENDENTLY LICENSED DIRECTLY FROM THE THIRD-PARTY SUPPLIER. AN AVAYA CHANNEL PARTNER'S HOSTING OF AVAYA PRODUCTS MUST BE AUTHORIZED IN WRITING BY AVAYA AND IF THOSE HOSTED PRODUCTS USE OR EMBED CERTAIN THIRD-PARTY SOFTWARE, INCLUDING BUT NOT LIMITED TO MICROSOFT SOFTWARE OR CODECS, THE AVAYA CHANNEL PARTNER IS REQUIRED TO INDEPENDENTLY OBTAIN ANY APPLICABLE LICENSE AGREEMENTS, AT THE AVAYA CHANNEL PARTNER'S EXPENSE, DIRECTLY FROM THE APPLICABLE THIRD-PARTY SUPPLIER.

WITH RESPECT TO CODECS, IF THE AVAYA CHANNEL PARTNER IS HOSTING ANY PRODUCTS THAT USE OR EMBED THE H.264 CODEC OR H.265 CODEC, THE AVAYA CHANNEL PARTNER ACKNOWLEDGES AND AGREES THE AVAYA CHANNEL PARTNER IS RESPONSIBLE FOR ANY AND ALL RELATED FEES AND/OR ROYALTIES. THE H.264 (AVC) CODEC IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO: (I) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (II) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION FOR H.264 (AVC) AND H.265 (HEVC) CODECS MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE <u>HTTP://WWW.MPEGLA.COM</u>.

Compliance with Laws

You acknowledge and agree that it is Your responsibility for complying with any applicable laws and regulations, including, but not limited to laws and regulations related to call recording, data privacy, intellectual property, trade secret, fraud, and music performance rights, in the country or territory where the Avaya product is used.

Preventing Toll Fraud

"Toll Fraud" is the unauthorized use of your telecommunications system by an unauthorized party (for example, a person who is not a corporate employee, agent, subcontractor, or is not working on your company's behalf). Be aware that there can be a risk of Toll Fraud associated with your system and that, if Toll Fraud occurs, it can result in substantial additional charges for your telecommunications services.

Avaya Toll Fraud intervention

If You suspect that You are being victimized by Toll Fraud and You need technical assistance or support, call Technical Service Center Toll Fraud Intervention Hotline at +1-800-643-2353 for the United States and Canada. For additional support telephone numbers, see the Avaya Support website: https://support.avaya.com or such successor site as designated by Avaya.

Security Vulnerabilities

Information about Avaya's security support policies can be found in the Security Policies and Support section of https://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).

Downloading Documentation

For the most current versions of Documentation, see the Avaya Support website: <u>https://support.avaya.com</u>, or such successor site as designated by Avaya.

Contact Avaya Support

See the Avaya Support website: <u>https://support.avaya.com</u> for product or Hosted Service notices and articles, or to report a problem with your Avaya product or Hosted Service. For a list of support telephone numbers and contact addresses, go to the Avaya Support website: <u>https://support.avaya.com</u> (or such successor site as designated by Avaya), scroll to the bottom of the page, and select Contact Avaya Support.

Trademarks

The trademarks, logos and service marks ("Marks") displayed in this site, the Documentation, Hosted Service(s), and product(s) provided by Avaya are the registered or unregistered Marks of Avaya, its affiliates, its licensors, its suppliers, or other third parties. Users are not permitted to use such Marks without prior written consent from Avaya or such third party which may own the Mark. Nothing contained in this site, the Documentation, Hosted Service(s) and product(s) should be construed as granting, by implication, estoppel, or otherwise, any license or right in and to the Marks without the express written permission of Avaya or the applicable third party. Avaya is a registered trademark of Avaya Inc.

All non-Avaya trademarks are the property of their respective owners. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

Contents

Abo	out thi	s task	. 5
Pre	requis	ites	. 5
1.	Supp	orted Upgrade Path	.6
2.	Avay	a Solutions Platform 130/S8300 certified images	.6
3.	ESXi	Host Upgrade to R6.x (KVM on RHEL 8.10)	.7
4.	Upda	ating to R6.0.0.2.0 (KVM on RHEL 8.10) from R6.0.x (KVM on RHEL 8.10)	.7
4	.1	Transferring R6.x Update Files to The Host	.7
4	.2	Checking Update File integrity	.8
4	.3	Conducting the KVM on RHEL Host Update	10
4	.4	Validating the KVM on RHEL Host Update	15
5	Licen	ising Procedure	15
Fin	ding do	ocuments on the Avaya Support website	16
Ava	iya Do	cumentation Center navigation	16
Sup	port		17

Version Control Table

Version	Author	Purpose/Change	Date
Number			
Rev 1.0	R&D Engineering Team.	Initial revision.	February 2025
Rev 2.0	R&D Engineering Team.	Release of ASP 6.0.0.1.1	April 2025
Rev 3.0	R&D Engineering Team.	Release of ASP 6.0.0.2.0	June 2025

About this task

Follow the steps outlined in this document when planning and conducting updates to KVM on RHEL 8.10 hosts running on ASP 130 & S8300E servers using the Avaya certified and approved files.

The content in this documented is specifically intended to Avaya Solutions Platform 130 and S8300 (ASP 130/ASP S8300) servers. It is not applicable to other ASP server models or series, such us ASP 110, ASP 120 or ASP 4200.

Avaya will provide a custom update bundle applicable for R660xs, R640 & S8300E servers. This ensures that all updates are fully compatible with the underlying hardware, firmware and drivers running on supported ASP servers.

Warning

To ensure the ongoing support, performance, security and reliability of the ASP130/S8300 servers, it is crucial to only use files and software that have been specifically approved by Avaya. The use of unauthorized files can expose the servers and applications to potential risks and will result in an unsupported configuration.

Refrain from:

- Downloading software directly from external sites such as those posted in the Red Hat or Dell web
 portals.
- Obtaining software from any source other than Avaya-approved channels, to ensure proper functionality, security, and support.

Prerequisites

- Access to the ASP server over the customer network (MGMT interface) or by directly connecting a service laptop to the server's services port.
- Download the following Avaya approved files from PLDS:
 - > ASP 130 download ids:
 - ASP000000041 av-asp-tools-1.5-3.el8.x86_64.rpm (only required if updating from R6.0 GA).
 - ASP00000045 update-asp-all-6.0.0.2.0-02.zip

> ASP 8300 download ids:

- ASP000000131 av-asp-tools-1.5-3.el8.x86_64.rpm (only required if updating from R6.0 GA).
- ASP000000134 update-asp-all-6.0.0.2.0-02.zip
- Ensure proper application backups have been taken prior to conducting the update activity.
- It is considered best practice to document all hypervisor networking configuration values, including IP address, subnet mask, default gateway, DNS, NTP, hostname, and FQDN.

- Before proceeding with the KVM on RHEL 8.10 update activity, ensure that all existing virtual machines (VMs) running on the server are gracefully shut down and powered off. This step will help optimize the overall update process. For detailed prerequisites, guidelines, and procedures, refer to the relevant application documentation.
- custadm credentials. Avaya services account (sroot) via EASG authentication can also be used.

1. Supported Upgrade Path

Customers are allowed to update from previous Avaya Solutions Platform 130 releases **6.0** to release **6.0.0.1** <u>or</u> <u>later **6.0.x releases**</u>.



Reference to the latest **Avaya Solutions Platform 130 Release Notes** available in <u>https://support.avaya.com</u> for detailed supported update paths. If determined that one or multiple step-up updates are required before a server can be updated to **ASP 6.0.0.1 or later**, reference to previously released ASP 130 update documents respectively.

2. Avaya Solutions Platform 130/S8300 certified images

<u>Note</u>: Image information for <u>5.1.x and earlier</u> releases reference to previously released ASP 130 upgrade documents.

ASP Release	Latest Avaya Certified Image	Based on RHEL version	Notes
ASP 130/S8300 R6.0	ASP_R6_all_4.6-4.8.iso	RHEL 8.10	Avaya customized KVM on RHEL 8.10 includes Avaya av-asp-tools- 1.2- 1 .el8.x86_64 & EASG rpms.
ASP 130/S8300 R6.0.0.1.0	av-asp-tools-1.5-3.el8.x86_64.rpm update-asp-all-6.0.0.1.0-04.zip	RHEL 8.10	Avaya customized update bundle for KVM on RHEL 8.10. Avaya av-asp-tools rpm installs separately.
ASP 130/S8300 R6.0.0.1.1	update-asp-all-6.0.0.1.1-02.zip	RHEL 8.10	Avaya customized update bundle for KVM on RHEL 8.10 includes Avaya av-asp- tools-1.6-2.el8.x86_64.rpm.
ASP 130/S8300 R6.0.0.2.0	update-asp-all-6.0.0.2.0-02.zip	RHEL 8.10	Avaya customized update bundle for KVM on RHEL 8.10 includes Avaya av-asp- tools-1.7-1.el8.x86_64

3. ESXi Host Upgrade to R6.x (KVM on RHEL 8.10)



This upgrade path <u>is not supported</u>. A complete system re-installation is required. Reference to the latest **Avaya Solutions Platform 130 Release Notes** available in <u>https://support.avaya.com</u> for supported upgrade paths.

4. Updating to R6.0.0.2.0 (KVM on RHEL 8.10) from R6.0.x (KVM on RHEL 8.10)

<u>Warning:</u> Direct upgrades to **R6.x** from <u>5.x or earlier releases are not supported</u>. Reference to the latest *Avaya Solutions Platform 130 Release Notes* available in <u>https://support.avaya.com</u> for supported upgrade paths.

Important : The steps documented in this section are only applicable to hosts running the GA version of ASP R6.0.0.0 or later.

Prerequisite

• ASP 130 server must be running R6.0 (KVM on RHEL 8.10) software or later prior to continuing.

Note: If a step-up upgrade is required, reference to previously released ASP 130 Upgrade documents.

New with this image

 Reference to the latest *Avaya Solutions Platform 130 Release Notes* available in <u>https://support.avaya.com</u> for detailed information about fixes, enhancements and known issues.

4.1 Transferring R6.x Update Files to The Host

Prerequisites

- Ensure there is sufficient space in the system to transfer update files.
- If applicable, remove older images, unnecessary files from previous installations, including those in staging folder used for VM deployment.

Warning: carefully review the files to be removed, especially those with a QCOW2 extension, to ensure they are not currently being used by a virtual machine in production.

Procedure

- 4.1.1 Transfer the previously downloaded update files to the local PC that will be used to access the hypervisor management interface during the maintenance activity. For detailed file information, please refer to the <u>Prerequisites</u> section.
- 4.1.2 **ASP R6.0 ONLY** Using a tool such as WinSCP (not provided by Avaya) transfer the previously downloaded **av-asp-tools** & **ASP Update bundle files** e.g. av-asp-tools-1.5-3.el8.x86_64.rpm, update-asp-all-6.0.0.1.1-02.zip to the KVM on RHEL 8.10 /home/custadm directory.

Note: Authenticate using the existing custadm credentials.

<u>Note:</u> Upon updating the av-asp-tools RPM for the first time, <u>a staging directory</u> will be automatically created at "/var/lib/libvirt/staging". This will facilitate the direct transfer of the update bundle "updates-asp-all-6.x.x.x.zip" to the staging folder directly in future ASP R6.x releases.

The following figures are just a representation and should only be used as an example.

ASP R6.0 example



ASP R6.0.0.1.0 and later ONLY - Using a tool such as WinSCP (not provided by Avaya) transfer the previously downloaded **ASP Update bundle files** e.g., update-asp-all-6.0.0.1.1-02.zip to the KVM on RHEL 8.10 /var/lib/libvirt/staging directory.

ASP R6.0.0.1.0 and later example

and the second					
🤶 🔀 Synchronize 🗾 🥐 🖉	😳 👘 Queue 👻 Transfer Settings Default	• 🧝	•		
custadm@1 3.40 × 🗳 New T	ab 👻				
C: • 🚰 • 🝸 • +- • 👋 🔁 '	Local Mark Files Commands Tabs Options Rem	note Help			
Upload - 🛛 Edit - 🗙 👋 🖬 🕂	• 💼 staging 🔹 • 🚰 • 🝸 • 🛛 🖛 • → • 🛛 🔁	🔀 🏫 🖸 🔍 F	ind Files		
	🛙 🚔 Download 👻 📝 Edit 🍷 🗙 🛃 🔂 Properties	- 📔 New - 🛛 🗗	. 🖂 🔽		
	/var/lib/libvirt/staging/				
	Name	Size	Changed	Rights	Owner
	E .		4/2/2025 12:20:33 PM	rwxr-xr-x	root
	update-asp-all-6.0.0.1.1-02.zip	112,930 KB	4/2/2025 9:38:29 AM	rw-r	custadr

4.2 Checking Update File integrity

4.2.1 Log in to the corresponding KVM on RHEL 8.10 host by using a *Secure Shell (SSH)* client e.g., Putty (Not provided by Avaya).

June 2025 Updating to R6.0.0.2.0 (RHEL 8.10) from R6.0.x (RHEL 8.10) Rev 3.0 pg. 8

- 4.2.2 Authenticate using the existing *custadm* credentials.
- 4.2.3 Run the following command to ensure files have been transferred to the corresponding location:

ASP R6.0

• ls -l /home/custadm

Note: The following output is just a representation and should only be used as an example.



ASP R6.0.0.1.0 and later

• ls -l /var/lib/libvirt/staging/

Note: The following output is just a representation and should only be used as an example.



4.2.4 Perform sha256 checksums by executing the following cli commands:

Note: If the checksum values do not match those provided on the PLDS and Avaya Support website, **STOP!** .The files may have been corrupted during transfer. Attempt to re-download and transfer the files again. If the issue persists, contact Avaya Support for further assistance.

ASP R6.0

- sha256sum /home/custadm/update-asp-all-6.x.x.x.zip
- sha256sum /home/custadm/av-asp-tools-1.5-3.el8.x86 64.rpm

Note: The following output is just a representation and should only be used as an example.

```
[custadm@asp130~]$ sha256sum /home/custadm/update-asp-all-6.0.0.2.0-02.zip
865da1983cc58e797f3234f228593790019dc43531196399fb80c336c7af6088
/home/custadm/update-asp-all-6.0.0.2.0-02.zip
[custadm@asp130-r660xs~]$sha256sum /home/custadm/av-asp-tools-1.5-3.el8.x86_64.rpm
87784b61d39cf6ce35e2dfd83fdbb29a291f7858523965c2f12bc29ced410647
/home/custadm/av-asp-tools-1.5-3.el8.x86_64.rpm
```

ASP R6.0.0.1.0 and later

sha256sum /var/lib/libvirt/staging/update-asp-all-6.0.0.1.1-02.zip

Note: The following output is just a representation and should only be used as an example.

```
[custadm@asp130-r660xs~]$sha256sum /home/custadm/av-asp-tools-1.5-3.el8.x86_64.rpm
87784b61d39cf6ce35e2dfd83fdbb29a291f7858523965c2f12bc29ced410647
/home/custadm/av-asp-tools-1.5-3.el8.x86 64.rpm
```

June 2025 Updating to R6.0.0.2.0 (RHEL 8.10) from R6.0.x (RHEL 8.10) Rev 3.0 pg. 9

4.2.5 Verify the current system software version by executing the following command: swversion

Note: The following output is just a representation and should only be used as an example.

4.3 Conducting the KVM on RHEL Host Update

ASP R6.0.0.0 ONLY – Important Consideration:

The update script is not included in the **R6.0.0.0** GA software baseline. Therefore, the av-asp-tools RPM must be updated first before attempting to update the KVM on RHEL host.

- 4.3.1 If not already, log in to the corresponding KVM on RHEL 8.10 host by using a *Secure Shell (SSH)* client e.g., Putty (Not provided by Avaya).
- 4.3.2 Authenticate using the existing *custadm* credentials.
- 4.3.3 ASP R6.0 ONLY Execute the following command to update the Avaya av-asp-tools rpm:
 - > sudo yum **update** /home/custadm/av-asp-tools-1.5-3.el8.x86 64.rpm
 - > [sudo] password for custadm: <Type current password for custadm account>
 - > Type: Y to continue with asp tool installation.

Output Example

Note: The following images are provided for illustrative purposes only. Versions, package labels,

Transaction Summary pprade 1 Package Potal size: 78 k total size: 78 k t	Package	Architecture	Version	Repository	Size
Apprade 1 Package Dornlading Packages: Juming transaction check transaction check succeeded. Juming transaction test Transaction test succeeded. Juming transaction test Preparing : Proparing : Auming transaction Preparing : Auming transaction Preparing : Auming transp-tools-1.5-3.el8.x86_64 : : : : : :		x86_64		@commandline	
Verifying : av-asp-tools-1.5-3.el8.x86_64 Werifying : av-asp-tools-1.5-3.el8.x86_64 Werifying : av-asp-tools-1.5-3.el8.x86_64 Werifying : av-asp-tools-1.5-3.el8.x86_64 Werifying : av-asp-tools-1.2-3.el8.x86_64 Werifying : av-asp-tools-3.el8.x86_64 Werifying : av-asp-tools-3.el8.x86	ransaction Summary				
<pre>statia ok [y/M]: yw</pre>	Jpgrade 1 Package				
<pre>https://www.intermatchinguestimation.com/station/</pre>		, туре у			
ransaction check succeeded. unning transaction test ransaction test succeeded. muning transaction Preparing Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 Muning scriptlet: av-asp-tools-1.5-3.el8.x86_64 Muning scriptlet: av-asp-tools-1.5-3.el8.x86_64 Muning scriptlet: av-asp-tools-1.5-3.el8.x86_64 Muning scriptlet: av-asp-tools-1.2-1.el8.x86_64					
Yansaction test succeeded. uning transaction Preparing i Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 2/ Running scriptlet: av-asp-tools-1.2-1.el8.x86_64 2/ Running scriptlet: av-asp-tools-1.2-1.el8.x86_64 2/ Verifying : av-asp-tools-1.5-3.el8.x86_64 2/ Verifying : av-asp-tools-1.2-1.el8.x86_64					
unning transaction 1 Preparing : Running scripthet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scripthet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scripthet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scripthet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scripthet: av-asp-tools-1.2-1.el8.x86_64 2/ Cleanup : av-asp-tools-1.2-1.el8.x86_64 2/ Qualing rpm : av-asp-tools-1.2-1.el8.x86_64 2/ Verifying : av-asp-tools-1.5-3.el8.x86_64 2/ verifying : av-asp-tools-1.2-1.el8.x86_64 2/ yerifying : av-asp-tools-1.5-3.el8.x86_64 2/ yerifying : av-asp-tools-1.2-1.el8.x86_64					
Preparing : Running scriptlet: av-asp-tools-1.5-3.el8.x86_64 Cleanup : av-asp-tools-1.2-1.el8.x86_64 Qating rgm Verifying <td: av-asp-tools-1.5-3.el8.x86_64<="" td=""> Verifying <td: av-asp-tools-1.5-3.el8.x86_64<="" td=""> pgraded: </td:></td:>		ded.			
Running scriptlet: av-asp-tools-1.5-3.el8.x86 64 // Upgrading : av-asp-tools-1.5-3.el8.x86 64 // Running scriptlet: av-asp-tools-1.5-3.el8.x86 64 // Qcleanup 2/ Qtaring scriptlet: av-asp-tools-1.2-1.el8.x86 64 2/ Qtaring scriptlet: av-asp-tools-1.2-1.el8.x86 64 2/ Verifying : av-asp-tools-1.2-1.el8.x86 64 2/ Verifying : av-asp-tools-1.5-3.el8.x86 64 2/ Verifying : av-asp-tools-1.2-1.el8.x86 64 2/ pgraded: 2/	Preparing :				
upgrading : av-asp-tools-1.5-3.el8.x86 64 1/ Running scriptle: : av-asp-tools-1.5-3.el8.x86 64 1/ Running scriptle: : av-asp-tools-1.2-1.el8.x86 64 2/ Cleanup : av-asp-tools-1.2-1.el8.x86 64 2/ Quating rpm : av-asp-tools-1.2-1.el8.x86 64 2/ Verifying : av-asp-tools-1.2-1.el8.x86 64 verifying : av-asp-tools-1.5-3.el8.x86 64 jograded:					1/1
Pumning scriptlet: av-asp-tools-1.5-3.el8.x86_64 1/ Running scriptlet: av-asp-tools-1.2-1.el8.x86_64 2/ Qleanup :av-asp-tools-1.2-1.el8.x86_64 2/ Pumning scriptlet: av-asp-tools-1.2-1.el8.x86_64 2/ Verifying :av-asp-tools-1.5-3.el8.x86_64 2/ Verifying :av-asp-tools-1.5-3.el8.x86_64 1/ Verifying :av-asp-tools-1.5-3.el8.x86_64 2/ paraded: pgraded: 1/					1/2
Cleanup : av-asp-tools-1.2-1.el8.x86_64 2/ Running scriptlet: av-asp-tools-1.2-1.el8.x86_64 2/ ypdating rpm 2/ Verifying <td::av-asp-tools-1.2-1.el8.x86_64< td=""> 1/ verifying <td::av-asp-tools-1.2-1.el8.x86_64< td=""> 2/ nstalled products 2/ /pgraded: 2/</td::av-asp-tools-1.2-1.el8.x86_64<></td::av-asp-tools-1.2-1.el8.x86_64<>					1/2
Running scriptlet: av-asp-tools-1.2-1.el0.x86_64 2/ pdating rpm Verifying : av-asp-tools-1.5-3.el0.x86_64 1/ Verifying : av-asp-tools-1.2-1.el0.x86_64 2/ Installed products updated. pgraded:					
<pre>pdating rpm Verifying : av-asp-tools-1.5-3.el8.x86_64 1/ Verifying : av-asp-tools-1.2-1.el8.x86_64 2/ nstalled products updated. /pgraded:</pre>					2/2
Verifying : av-asp-tools-1.2-1.el8.x86_64 2/ Installed products updated.		-asp-coors-1.2-1.018.x86_6	4		
nstalled products updated. pgraded:					
pgraded:			4		
	installed products upda				
av-asp-tools-1.5-3.el8.x86_64					
		8.x86_64			
	omplete!				

June 2025 Updating to R6.0.0.2.0 (RHEL 8.10) from R6.0.x (RHEL 8.10) Rev 3.0 pg. 10

ASP 6.0.x Output Example

A similar output will be displayed if the Avaya av-asp-tools RPM has already been updated on the host.



4.3.4 Execute the following command to update the KVM on RHEL 8.10 Host:

ASP R6.0 ONLY

> mv /home/custadm/update-asp-all-6.X.X.X.zip /var/lib/libvirt/staging/

Note: Moving the update bundle ensures there are no duplicate files left on the system.

ASP R6.0 and later

- cd /var/lib/libvirt/staging/
- > pwd > (Optional) This step helps ensure that the user is in the correct folder location.
- ▶ ls -l

ASP R6.0 Output Example



ASP R6.0.0.1.0 and later Output Example



asp-update-os update-asp-all-6.X.X.X.zip

> To proceed type: yes

Output Example



Warning: During the update process, the script will check for running virtual machines (VMs) and will attempt to power them down gracefully. If the script is unable to power off all VMs within the allotted time frame of <u>300 seconds per VM</u>, the process will be halted, and manual intervention will be required. **Do not attempt to forcibly shut down VMs unless explicitly instructed by Avaya**, as this could result in data corruption. If the issue persists, we recommend halting the process and contacting Avaya Support for further assistance.

The example below illustrates an update that was halted due to VMs being unable to power off.



System starts updating.

The example below illustrates an update where the script successfully powered off any running VMs on the host.

Note: The following images are provided for illustrative purposes only. Versions, package labels, sizes, and dependencies may vary with each update.

Ready to proceed [yes OR r	iol ? ves			
Updating MOTD messages to	reflect	ongoing update		
Disabling SIGHUP SIGINT SI				
Executing Common OS preins				
Pruning packages not meant				
		ement based on Size field of RPMs		
Installation size of packa	ages to-b	e-installed from the update bundle	: 235460302 b	vtes
		removable installed packages		
		te bundle packages installation		
Available space in root(/)				
Currently running VMs need	to be s	hut down to apply the update. 🛶	_	
		09.57 (max wait time 300 seconds)		
10			—	
	tester3-2	09.57 (max wait time 300 seconds)		
Shutting down RHEL810-fiot	tester2-2	09.57 (max wait time 300 seconds)	←	
Updating the system packad	ges. Plea	se wait. 🛶		
		25:08 ago on Mon 27 Jan 2025 06:50	:24 AM MST.	
Package av-asp-tools-1.5-1				
Dependencies resolved.				
Dependencies resolved.				
Dependencies resolved. Package	Arch		Repository	Size
Package	Arch		Repository	Size
Package Installing:		Version		
Package Installing: audispd-plugins	x86_64	Version 3.1.2-1.el8	@commandline	54 k
Package Installing: audispd-plugins fapolicyd	x86_64 x86_64		ecommandline @commandline	54 k 141 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux	x86_64 x86_64 noarch	- Version 3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8	@commandline @commandline @commandline	54 k 141 k 28 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel	x86_64 x86_64 noarch x86_64	Version 3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10	@commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core	x86_64 x86_64 noarch x86_64 x86_64 x86_64	Version 3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10	@commandline @commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M 43 M
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core kernel-modules	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64	Version 3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10	@commandline @commandline @commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M 43 M 36 M
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core kernel-modules libgb	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7	@commandline @commandline @commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-core kernel-modules libqb mailx	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	Version 3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 1.8.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 1.0.3-13.el8_7 12.5-29.el8	¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core kernel-modules libqb mailx opensc	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 1.1.el8 1.1.el8 0.1.0.3-13.el8_7 12.5-29.el8 0.20.0-8.el8_9	¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core kernel-modules libqb mailx opensc pcsc-lite	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7 12.5-29.e18 0.20.0-8.e18_9 1.9.5-1.e18	Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M 110 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-core kernel-modules libgb mailx opensc pcsc-lite pcsc-lite	x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7 12.5-29.e18 0.20.0-8.e18_9 1.9.5-1.e18_4	¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline ¢commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M 110 k 316 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-core kernel-modules libqb mailx opensc pcsc-lite pcsc-lite-ccid pcsc-lite-libs	x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 0.313.el8_7 12.5-29.el8 0.20.0-8.el8_9 1.4.29-5.1.el8_4 1.9.5-1.el8	Commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 K 257 k 1.3 M 110 k 316 k 43 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-modules libqb mailx opensc pcsc-lite pcsc-lite-cid pcsc-lite-libs perccli	x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 noarch	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7 12.5-29.e18 0.20.0-8.e18_9 1.9.5-1.e18 1.9.5-1.e18 0.7.2616.0000.0000-1	Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline Commandline	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M 110 k 316 k 43 k 2.1 M
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-core kernel-modules libgb mailx opensc pcsc-lite pcsc-lite-ccid pcsc-lite-libs perccli postfix	x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7 12.5-29.e18_7 0.20.0-8.e18_9 1.4.29-5.1.e18_4 1.9.5-1.e18_6 2.3.5.8-7.e18	<pre>@commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline</pre>	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M 110 k 316 k 316 k 43 k 2.1 M
Package Tinstalling: audispd-plugins fapolicyd fapolicyd-selinux kernel- kernel-core kernel-modules libqb mailx opensc pcsc-lite pcsc-lite-ccid pcsc-lite-cid pcsc-lite-libs perccli postfix protobuf	x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 1.0.3-13.el8_7 12.5-29.el8 0.20.0-8.el8_9 1.9.5-1.el8_1 1.4.29-5.1.el8_4 1.9.5-1.el8_0 007.2616.0000.0000-1 2:3.5.8-7.el8 3.5.0-15.el8	Commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline	54 k 141 k 28 k 10 M 43 M 43 M 113 k 257 k 1.3 M 110 k 316 k 43 k 2.1 M 1.5 M 892 k
Package Installing: audispd-plugins fapolicyd fapolicyd-selinux kernel-core kernel-core kernel-modules libgb mailx opensc pcsc-lite pcsc-lite-ccid pcsc-lite-libs perccli postfix	x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7 12.5-29.e18_7 0.20.0-8.e18_9 1.4.29-5.1.e18_4 1.9.5-1.e18_6 2.3.5.8-7.e18	<pre>@commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline @commandline</pre>	54 k 141 k 28 k 10 M 43 M 36 M 113 k 257 k 1.3 M 110 k 316 k 43 k 2.1 M 1.5 M 892 k 80 k

The example below illustrates an update where the script did not detect any running VMs on the host.

eady to proceed [yes	OR nol ? ves	5			
C THE DOOF 14-04-47-					
16-Jan-2025 14:04:47: Updating MOTD messages to reflect ongoing update 16-Jan-2025 14:04:47: Disabling SIGHUP SIGINT SIGOUIT SIGTERM SIGTSTP during update					
16-Jan-2025 14:04:47: Disabling SIGHOP SIGINT SIGQUIT SIGTERM SIGTSTP during update 16-Jan-2025 14:04:47: Executing Common OS preinstall script					
		ages not meant for Dell Syste	70		
		stallation space requirement b		of DDA	
0-0411-2025 14.04.47.	checking ins	stallation space requirement b	ased on Size lield	OI REP	
nstallation size of n	ackages in t	the update bundle: 234855095 b	vtes		
		installed packages: 20848151			
		ite bundle packages installati			
vailable space in roo			OII. 23730 K		
variable space in 100	c(/) partiti	1011. 7071452 K			
6-Tan-2025 14.04.57.	Currently ru	unning VMs need to be shut dow	n to apply the unda	to	
6-Jan-2025 14.04.57.	Undating the	system nackages Please wait			
		system packages. Please wait			
ackage av-asp-tools-1	.4-11.el8.x8	e system packages. Please wait 86_64 is already installed.			
	.4-11.el8.x8				
ackage av-asp-tools-1	.4-11.el8.x8	86_64 is already installed.	Repository	====== Size	
ackage av-asp-tools-1 ependencies resolved. Package	.4-11.e18.x8	86_64 is already installed.		Size	
ackage av-asp-tools-1 ependencies resolved. Package nstalling:	.4-11.e18.x8 Arch	06_64 is already installed. Version	Repository		
ackage av-asp-tools-1 ependencies resolved. Package nstalling: audispd-plugins	.4-11.e18.x8 Arch x86_64	36_64 is already installed. Version 3.1.2-1.e18	Repository	54 }	
ackage av-asp-tools-1 lependencies resolved. 	.4-11.e18.x8 Arch x86_64 x86_64	664 is already installed. Version 3.1.2-1.e18 1.3.2-1.e18	Repository ecommandline @commandline	54 } 141 }	
ackage av-asp-tools-1 ependencies resolved. Package mstalling: audispd-plugins fapolicyd fapolicyd-selinux	.4-11.e18.x8 Arch x86_64 x86_64 noarch	<pre>66 64 is already installed. Version 3.1.2-1.el8 1.3.2-1.el8</pre>	Repository @commandline @commandline @commandline	54 } 141 } 28 }	
ackage av-asp-tools-1 ependencies resolved. Package nstalling: audispd-plugins fapolicyd fapolicyd-selinux kernel	.4-11.e18.x8 Arch x86_64 x86_64 noarch x86_64	664 is already installed. Version 3.1.2-1.el8 1.3.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10	Repository @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M	
ackage av-asp-tools-1 ependencies resolved. ====================================	.4-11.e18.x8 Arch x86_64 x86_64 noarch x86_64 x86_64	6664 is already installed. Version 3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10	Repository @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M 43 M	
ackage av-asp-tools-1 ependencies resolved. ====================================	.4-11.e18.x8 Arch x86_64 x86_64 noarch x86_64 x86_64 x86_64 x86_64 x86_64	664 is already installed. Version 3.1.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10	Repository @commandline @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M 43 M 36 M	
ackage av-asp-tools-1 ependencies resolved. ====================================	.4-11.e18.x8 Arch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	6664 is already installed. Version 3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7	Repository @commandline @commandline @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M 43 M 36 M 113 1	
ackage av-asp-tools-1 ependencies resolved. Package mstalling: audispd-plugins fapolicyd fapolicyd-selinux kernel kernel-core kernel-modules libgb mailx	.4-11.e18.x8 Arch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	6664 is already installed. Version 3.1.2-1.el8 1.3.2-1.el8 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 4.18.0-553.34.1.el8_10 1.0.3-13.el8_7 12.5-29.el8	Repository @commandline @commandline @commandline @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M 43 M 36 M 113 1 257 1	
ackage av-asp-tools-1 ependencies resolved. ====================================	.4-11.e18.x8 Arch x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64 x86_64	6664 is already installed. Version 3.1.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 1.3.2-1.e18 4.18.0-553.34.1.e18_10 4.18.0-553.34.1.e18_10 1.0.3-13.e18_7	Repository @commandline @commandline @commandline @commandline @commandline @commandline	54 1 141 1 28 1 10 M 43 M 36 M 113 1 257 1 1.3 M	

> Once completed, the system will automatically reboot.

The example below illustrates a complete update where no VMs were running on the host during the activity.



The example below illustrates an update where VMs were gracefully powered off by the script during the activity.

Complete! Updated applied bundle information in '/etc/opt/avaya/avaya-asp.upd'.
SUCCESS: Update bundle version 6.0.0.1.0 has been applied successfully.
Following VMs were shut down earlier to apply the update bundle.
Please ensure that these are started after system reboot.
RHEL810-fiotester4-209.57
RHEL810-fiotester3-209.57
RHEL810-fiotester2-209.57
Rebooting system now 🛶

<u>Note</u>: Virtual machines (VMs) that are listed must be started manually. The ASP update script does not preserve the VM's state prior to the host update. Avaya strongly suggest configuring the auto-start feature to reduce application down time.

<u>Note</u>: Virtual machines (VMs) that were shut down manually by the user, rather than by the update script, will not be listed and will not automatically power on unless auto-start has been configured for them. Avaya strongly suggest configuring the auto-start feature to reduce application down time.

Warning!

Avaya follows Red Hat's recommended practice of retaining the two latest kernel versions after applying a kernel update. Upon reboot, the latest kernel becomes the default and is used to automatically boot Red Hat Enterprise Linux.

Avaya strongly advises against modifying the boot menu or selecting a previous kernel version during boot, as doing so may result in an unsupported configuration and could expose the system to security vulnerabilities associated with the older kernel version.



4.4 Validating the KVM on RHEL Host Update

<u>Note</u>: Allow ~5 mins for ASP Server to fully reboot and be reachable over the network before attempting to reconnect.

- 4.4.1 Log in to the corresponding KVM on RHEL 8.10 host by using a *Secure Shell (SSH)* client e.g., Putty (Not provided by Avaya). Authenticate using custadm credentials.
- 4.4.2 Execute the following command to validate system version: swversion
- <u>Note:</u> At this stage it is expected to have the KVM on RHEL host updated to the corresponding build number. If the version on the updated host does not match the intended version **STOP!** and restart the update process from the beginning prior to continuing with the next server.

Note: The following output is just a representation and should only be used as an example.

- 4.4.3 Execute the following command to validate the Avaya av-asp-tools running on the system:
 - rpm -qa | grep av-asp

Note: The following output is just a representation and should only be used as an example.

```
[custadm@asp130-r660xs ~]$ rpm -qa | grep av-asp
av-asp-tools-1.7-1.el8.x86 64
```

- 4.4.4 <u>As a good practice</u>, remove any previous and current ASP update bundle files, including av-asp-tools from the host before disconnecting.
- 4.4.5 When applicable, repeat entire procedure to the next KVM on RHEL 8.10 host. To minimize service impact always conduct system updates with one server at a time.

5 Licensing Procedure

With the introduction of KVM on RHEL 8.10, a specific license key is no longer required, unlike ASP R5.1.x and earlier versions running ESXi. However, it is crucial for customers to maintain a record in PLDS for every server, as both customers and Avaya will be subject to audits to ensure that right-to-use royalties have been paid.

Finding documents on the Avaya Support website

Procedure

- 1. Go to https://support.avaya.com.
- 2. At the top of the screen, type your username and password and click Login.
- 3. Click **Support by Product > Documents**.
- 4. In Enter your Product Here, type the product name and then select the product from the list.
- 5. In **Choose Release**, select the appropriate release number. The **Choose Release** field is not available if there is only one release for the product.
- 6. In the **Content Type** filter, click a document type, or click **Select All** to see a list of all available documents.

For example, for user guides, click **User Guides** in the **Content Type** filter. The list only displays the documents for the selected category.

7. Click Enter.

Avaya Documentation Center navigation

For some programs, the latest customer documentation is now available on the Avaya Documentation Center website at <u>https://documentation.avaya.com</u>.

IMPORTANT: For documents that are not available on Avaya Documentation Center, click More Sites > Support on the top menu to open <u>https://support.avaya.com</u>.

Using the Avaya Documentation Center, you can:

- Search for keywords. To filter by product, click **Filters** and select a product.
- Search for documents.
 From Products & Solutions, select a solution category and product, and then select the appropriate document from the list.
- Sort documents on the search results page.
- Click Languages to change the display language and view localized documents.
- Publish a PDF of the current section in a document, the section and its subsections, or the entire document.
- Add content to your collection using My Docs (☆).
 Navigate to the Manage Content > My Docs menu, and do any of the following:
 - Create, rename, and delete a collection.
 - Add topics from various documents to a collection.
 - Save a PDF of the selected content in a collection and download it to your computer.
 - Share content in a collection with others through email.
 - Receive collection that others have shared with you.
- Add yourself as a watcher using the Watch icon (^(O)).

Navigate to the Manage Content > Watchlist menu, and do the following:

- Enable Include in email notification to receive email alerts.

June 2025 Updating to R6.0.0.2.0 (RHEL 8.10) from R6.0.x (RHEL 8.10) Rev 3.0 pg. 16

- Unwatched selected content, all content in a document, or all content on the **Watch list** page.

As a watcher, you are notified when content is updated or deleted from a document, or the document is removed from the website.

- Share a section on social media platforms, such as Facebook, LinkedIn, and X.
- Send feedback on a section and rate the content.

NOTE: Some functionality is only available when you log in to the website. The available functionality depends on your role.

Support

Go to the Avaya Support website at <u>http://support.avaya.com</u> for the most up-to-date documentation, product notices, and knowledge articles. You can also search for release notes, downloads, and resolutions to issues. Use the online service request system to create a service request. Chat with live agents to get answers to questions or request an agent to connect you to a support team if an issue requires additional expertise.