



# **Migrating from Appliance Virtualization Platform deployed on S8300 Server to Avaya Solutions Platform S8300**

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# Chapter 1: Introduction

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## Purpose

This document contains checklists and procedures for migrating Appliance Virtualization Platform Release 8.1.x deployed on S8300E Server to Avaya Solutions Platform S8300 (Avaya-Supplied ESXi 7.0) Release 5.1.

The primary audience for this document is anyone who migrates data from Appliance Virtualization Platform Release 8.1.x deployed on S8300E Server to Avaya Solutions Platform S8300 Release 5.1 at a customer site.

This document does not provide information about installing, maintaining or troubleshooting Avaya Solutions Platform S8300. For information related to installing, maintaining or troubleshooting, see the Installation, Maintenance and Troubleshooting Avaya Solutions Platform S8300 documentation on the Avaya Support website.

**\* Note:**

Migrations from Appliance Virtualization Platform on S8300 to ASP S8300 always requires a migration to ASP S8300 5.1 as the first step.

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## Change history

Issue	Date	Summary of changes
6	August 2024	Note added to Chapter 4 to reflect AVP S8300 migrations to ASP S8300 have entered A1SC password restricted state. Contact your Avaya sales representative for additional information. Additional updates to reflect unique license key label on HDD/SDD for all new ASP 5.1.x S8300 orders. License key will no longer be posted in PLDS for all new orders.
5	December 2023	Changed 'Avaya Inc.' to 'Avaya LLC' wherever applicable in the document.  Updated the initial steps of the procedure in the “Verifying Avaya Solutions Platform S8300 software release and the ESXi version” section.

*Table continues...*

Issue	Date	Summary of changes
4	January 2023	Updated the “Overview” section to include information about migrating to ASP S8300 Release 5.1.x.x.
3	September 2022	Updated the “What’s New in Avaya Solutions Platform Release 5.1” section to include information about Avaya Aura <sup>®</sup> Release 8.1.3.x support.
2	June 2022	Updated the “Installing ESXi 7.0 License file on the ASP S8300 host” section to include information about the license key.
1	March 2022	Initial release

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## Prerequisites

Before installing or migrating Avaya Solutions Platform S8300, ensure that you have the following knowledge, skills, and tools.

### Knowledge

- Linux<sup>®</sup> Operating System
- VMware ESXi
- Appliance Virtualization Platform (recommended)

### Skills

To administer the System Manager web console, Solution Deployment Manager (SDM) Client, and Avaya Solutions Platform S8300 Release 5.1.x.

# Chapter 2: Overview

With Avaya Aura® Release 10.1, Appliance Virtualization Platform is no longer supported for deploying or upgrading the Avaya Aura® applications. If the applications, such as Communication Manager or Branch Session Manager is deployed on Appliance Virtualization Platform S8300E Server, migrate Appliance Virtualization Platform to Avaya Solutions Platform S8300 (Avaya-Supplied ESXi 7.0) Release 5.1.

## Migration guidelines

- Appliance Virtualization Platform Release 8.1.x must currently be deployed on the S8300E.
- If Appliance Virtualization Platform is on Release 7.x or 8.0.x, first upgrade Appliance Virtualization Platform to Release 8.1.x on the servers that are supported for migration. This results in the S8300 being out of service for the duration of the upgrade.
- Another migration option, which is more catastrophic (fresh install) is covered in the Performing server recovery, software remastering or catastrophic migration section of the *Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300* publication. This results in the S8300 being out of service for the duration of the upgrade.
- Appliance Virtualization Platform license must not be in license error mode.

### \* Note:

AVP 8.1.x S8300E migrations to ASP S8300 R5.1 are supported. This requires that the same application with the same profile is used for the migration. If the end customer needs to increase profile size or add a new application, this will need to take place post migration and will need to be based on available resources as determined by the A1S Configurator. If the final ASP S8300 release is 5.1.x.x, it will be a 2 step process to migrate from AVP to ASP. First migrate to ASP S8300 R5.1, then upgrade from ASP S8300 R5.1. to R 5.1.x.x. See “Chapter 9 Upgrading ASP S8300” in the *Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300* document.

### \* Note:

*Migrate* and *Upgrade* are used interchangeably in the document and refers to migrating from Appliance Virtualization Platform to Avaya Solutions Platform S8300 (ESXi 7.0).

### \* Note:

When an AVP 8.1.x S8300E is migrated to ASP S8300 R5.1, the persistent storage directory name will always remain as “server-local-disk”. For ASP S8300Es shipping preloaded from Avaya’s integrator, the persistent storage directory name will always be “datastore1”. Reinstalling ASP S8300 R5.1 on a blank S8300E or remastering an existing ASP S8300 R5.x (even if it migrated from AVP) will always result in a persistent storage name of “datastore1”.

Upgrades with the ASP S8300 R5.1.0.x release will maintain the existing persistent storage directory name.

Examples:

	Persistent Storage Directory Name
ASP S8300 R5.1 AFTER migration from AVP	<code>/vmfs/volumes/server-local-disk/</code>
ASP S8300 R5.1.0.x – Fresh install, preloaded board, remastered image	<code>/vmfs/volumes/datastore1/</code>

## What's New in Avaya Solutions Platform Release 5.1.x

For details on individual 5.1.0.x releases, reference the *Avaya Solutions Platform S8300 Release Notes*.

- Avaya Aura® Release 10.1 is supported on Avaya Solutions Platform S8300 Release 5.1.x and Avaya Solutions Platform 130 Release 5.0 and Release 5.1.x.

**\* Note:**

After migrating from Avaya Aura® Appliance Virtualization Platform Release 8.1.x on an S8300E to Avaya Solutions Platform S8300 Release 5.1.x, Avaya Aura® Release 8.1.x applications are still running on Avaya Solutions Platform S8300 Release 5.1.x. 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 Avaya Solutions Platform S8300 Release 5.1.x, Avaya will require an upgrade of the Avaya Aura® solution to Release 10.1.

- With the introduction of Avaya Solutions Platform 5.x and Avaya Aura® 10.1, AVP/AVPU goes end of sale. Last supported AVP/AVPU release is Avaya Aura® 8.1.3.x. AVP and AVPU are not supported with Avaya Aura® 10.1.
- EASG is supported starting with Avaya Solutions Platform Release 5.1
- A new directory (`/opt/avaya/etc/`) is created with both the Avaya Solutions Platform S8300 zip upgrade file and the Avaya Solutions Platform S8300 ISO install file. The Avaya Tools VIB will create this directory.
- The Avaya Solutions Platform S8300 Release 5.1.x has the Avaya Tools VIB, which replaces the functionality of `Avaya-Config-v1` script file in the Avaya Solutions Platform 130 Release 4.0 and Release 5.0
  - In Avaya Solutions Platform 130 Release 4.0 and Release 5.0, the `Avaya-Config-v1` script file configured the services port and had to be copied to the shell and manually applied.
  - In Avaya Solutions Platform Release 5.1.x, this is no longer necessary. The Avaya Tools VIB is a part of the Avaya Solutions Platform S8300 Release 5.1.x ISO and zip files.

## Overview

- The Avaya Solutions Platform S8300 Release 5.1.x ISO for fresh install, recovery or catastrophic/forklift migrations includes the Avaya Tools VIB.
  - The Avaya EASG VIB must be downloaded separately from PLDS and copied to the shell, and manually applied after the ISO is installed.
- The Avaya Solutions Platform S8300 Release 5.1.x upgrade zip file contains the Avaya Tools VIB and the Avaya EASG VIB, thus no need to download the Avaya EASG VIB from PLDS.
  - The Avaya Solutions Platform S8300 Release 5.1.x zip file is used for upgrades only.
- From Avaya Solutions Platform Release 5.1 onwards, **Autostart** is enabled and the **Autostart start delay** and **stop delay** fields are set to **0**.
- New shipments of the Avaya Solutions Platform S8300 Release 5.1.x servers will initially ship blank and will need to have the Release 5.1.x software installed and the license key installed. At a future date, new shipments will be preloaded with Release 5.1.x and prelicensed.

# Chapter 3: Planning for migration

## Migration checklist

No.	Task	Description	✓
1	Get the migration media.	<p>From the Avaya PLDS website (<a href="https://plds.avaya.com/">https://plds.avaya.com/</a>), download the following components that are required to migrate to Avaya Solutions Platform S8300 Release 5.1:</p> <ul style="list-style-type: none"><li>• Avaya Solutions Platform S8300 upgrade bundle, <code>upgrade-asp-s8300-5.1.xx.zip</code></li><li>• For System Manager SDM, use <code>System_Manager_R10.1.0.0_HF_101014254.bin</code> or latest software version.</li><li>• For Solution Deployment Manager client, use <code>Avaya_SDMClient_win64_10.1.0.0.0337789_4.zip</code> or latest software version.</li><li>• Patch files for other Avaya Aura® applications, if required</li></ul>	
2	Ensure that Appliance Virtualization Platform Release 8.1.x is installed on S8300E for migration.	This step is to verify if you have Appliance Virtualization Platform Release 8.1.x installed on S8300E as migration can only occur from AVP 8.1.x. to ASP S8300.	
3	Create a remote backup of all the applications.	Create a backup of each application. For more information, see the application specific documentation.	
4	Migrate using the upgrade bundle.	<a href="#">Migrating from Appliance Virtualization Platform 8.1.x to Avaya Solutions Platform S8300 Release 5.1</a> on page 14	

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In addition to PLDS, you can download the product software from <https://support.avaya.com> using the **Downloads and Documents** tab at the top of the page.

 **Note:**

Only the latest service pack for each release is posted on the support site. Previous service packs are available only through PLDS.

**Procedure**

1. On your web browser, type <https://plds.avaya.com> to access the Avaya PLDS website.
2. Enter your login ID and password.
3. On the PLDS Home page, select **Assets**.
4. Click **View Downloads**.
5. Click the search icon  for Company Name.
6. In the Search Companies dialog box, do the following:
  - a. In the **%Name** field, type `Avaya` or the Partner company name.
  - b. Click **Search Companies**.
  - c. Locate the correct entry and click the **Select** link.
7. Search for the available downloads by using one of the following:
  - In **Download Pub ID**, type the download pub ID.
  - In the **Application** field, click the application name.
8. Click **Search Downloads**.
9. In the **Download Manager** box, click the appropriate **Download** link.

 **Note:**

The first link, **Click to download your file now**, uses the Download Manager to download the file. The Download Manager provides features to manage the download (stop, resume, auto checksum). The **click here** link uses your standard browser download and does not provide the download integrity features.

10. If you use the Download Manager, click **Details** to view the download progress.
11. Select a location to save the file, and click **Save**.
12. **(Optional)** When the system displays the security warning, click **Install**.

When the installation is complete, PLDS displays the downloads again with a check mark next to the downloads that have completed successfully.

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## Latest software updates and patch information

Before you start the deployment or upgrade of an Avaya product or solution, download the latest software updates or patches for the product or solution. For more information, see the latest release notes, Product Support Notices (PSNs), and Product Correction Notices (PCNs) for the product or solution on the Avaya Support web site at <https://support.avaya.com/>.

After deploying or upgrading a product or solution, use the instructions in the release notes, PSNs, or PCNs to install any required software updates or patches.

# Chapter 4: Migrating from Appliance Virtualization Platform 8.1.x to Avaya Solutions Platform S8300

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## Migrating from Appliance Virtualization Platform 8.1.x to Avaya Solutions Platform S8300 Release 5.1

### Before you begin

- Take a remote backup of the applications as there is no rollback method available or supported by VMware after AVP host is migrated to ASP S8300E R5.1 (ESXi 7.0). For backing up applications-related information, see application-specific documentation.

 **Note:**

Back up applications but do not perform any other action such as upgrading applications.

- *Best Practice:* Have a copy of your AVP IP addresses and Naming information. Back up the applications on the S8300E to a remote storage device.

 **Note:**

- After Appliance Virtualization Platform migrates to Avaya Solutions Platform S8300, the services port IP - 192.168.13.6 in Appliance Virtualization Platform changes to 192.11.13.6. To use services port IP - 192.11.13.6, connect your LAN cable to the **SERVICES** port of the Avaya Solutions Platform S8300.
- A password is required to place an AVP S8300 migration order to ASP S8300. Please contact your Avaya sales representative for additional information.

 **Important:**

Perform migration using the AVP Management IP. If you use services port IP - 192.168.13.6, the migration of Appliance Virtualization Platform to Avaya Solutions Platform S8300 will fail.

### Procedure

1. Log in to the AVP Utilities (AVPU) CLI and to enable SSH use the **AVP\_SSH enable** command.
2. Using an SSH client, connect to the host through AVP Management IP and copy the upgrade bundle (<upgrade-asp-s8300-5.1.xx.zip>) to the AVP filesystem at the /vmfs/volumes/server-local-disk directory.

3. In the `/vmfs/volumes/server-local-disk` directory, to unzip the upgrade bundle, type the following command and press **enter**:

```
unzip <upgrade-asp-s8300-5.1.xx.zip>
```

**\* Note:**

Remove angle brackets and replace **xx** with the correct version number of the upgrade bundle.

**Output:**

```
[admin@avpS8300e1:/vmfs/volumes/5fb5a1e7-82c764b0-439a-b0adaa3bd942] unzip
upgrade-asp-s8300-5.1.09.zip
Archive:  upgrade-asp-s8300-5.1.09.zip
  inflating: avaya-asp-5.1.09.zip
  inflating: aspupgrade.sh
```

4. Type the following command and press **enter**:

```
/vmfs/volumes/server-local-disk/aspupgrade.sh /vmfs/volumes/server-
local-disk/avaya-asp-5.1.XX.zip
```

If Appliance Virtualization Platform is installed on the supported hardware, the command displays the following message and proceeds to the next step:

```
admin@avpS8300e1:/vmfs/volumes/5fb5a1e7-82c764b0-439a-b0adaa3bd942] /vm
fs/volumes/server-local-disk/aspupgrade.sh /vmfs/volumes/server-local-di
sk/avaya-asp-5.1.09.zip
Thu Feb 17 22:15:45 UTC 2022
Hardware Supported for ASP Migration
```

5. Type **Y** if application backups are taken and proceed to create a root password.

It is recommended to take backup of all applications before migration. Back up all the trap listener configuration from AVPU, as AVPU is removed during migration. For more information on backing up the trap listener configuration from AVPU, see *Administering Avaya Aura® AVP Utilities* documentation.

```
Have you taken backup of all applications? [Y/N] : Y
```

Output is displayed after you type **Y** and press **enter**:

```
watchdog-hostd: Terminating watchdog process with PID 66806
hostd stopped.
hostd started.
Connection failed
Connection failed
Connection failed
  Product: VMware ESXi
  Version: 6.5.0
Build: Releasebuild-17167537
  Update: 3
  Patch: 149
Updated System defaults.
Enabled AutoStart
Creating user 'root'...adduser: user 'root' in use
User 'root' already exists
Changing password for root
You can now choose the new password.
```

A valid password should be a mix of upper and lower case letters, digits, and other characters. You can use an 8 character long password with characters from all of these classes. An upper case letter that begins the password and a digit that ends it do not count towards the number of character classes used.

Alternatively, if no one else can see your terminal now, you can pick this as your password: "kill&Sherry7Vessel".

**\* Note:**

The suggested password "kill&Sherry7Vessel" is an example. This password is randomly generated and is always different every time you create the root account using the upgrade script at step 3.

Output is displayed after you type **N** and press **enter**. The script stops execution after displaying the following message:

```
Have you taken backup of all applications? [Y/N] : n
Please take backup of all applications and then rerun the script
```

6. In **Enter new password**, type `ACP130_pw` as the new root account password.

**\* Note:**

`ACP130_pw` is an example password that is used for Avaya pre-staged servers. Avaya recommends that the customer change the password to a unique, secure password.

7. In **Re-type new password**, type the new root account password again.

The script displays the following message:

```
passwd: password updated successfully
SSH login disabled
SSH login enabled
'root' has been successfully created. We are ready to lock out
'admin' account.
Please make sure you can log onto the system using 'root' before
continue.
```

8. Open a second PuTTY session to AVP Management IP while keeping the previous session up. Log in to Appliance Virtualization Platform using the root account credentials created during the upgrade. If successful, close the second PuTTY session and return to the original PuTTY Session.
9. After successfully logging in to Appliance Virtualization Platform with the root password, the Appliance Virtualization Platform displays **Can you log onto this system using 'root' account** prompt.

- Output is displayed after you type `y` and press **enter**:

```
Can you log onto this system using 'root' account? [Y/n] : y
admin account lockout complete
```

After the admin account is locked, the system shuts down applications.

- Output is displayed after you type **N** and press **enter**. The script stops execution after displaying the following message:

```
Can you log onto this system using 'root' account? [Y/n] : n
admin account isn't locked out because you couldn't log onto the
system using 'root' account. Please rerun to lock out 'admin'
account
```

10. After applications are shut down, the Appliance Virtualization Platform enters maintenance mode.

The script starts the Avaya Solutions Platform S8300 patch installation and performs a dry run for the upgrade.

- If a dry run for the upgrade is successful, the script proceeds to patch installation.

The script cleans up AVP code, configures the services port for ASP S8300, and configures SSH.

After the patch installation is complete, the script displays the following message:

```
ASP patch installation complete
```

The script exits from the maintenance mode and reboots.

If the AVP Utilities application is installed on Appliance Virtualization Platform, the script deletes it.

- If the dry run for upgrade fails, the script exits maintenance mode and patch installation.

```
Shutting down Serverid 1
Waiting for 20 seconds for serverid 1 to shutdown, attempt 0
Shutting down Serverid 3
Waiting for 20 seconds for serverid 3 to shutdown, attempt 0
Waiting for 20 seconds for serverid 3 to shutdown, attempt 0
All guest VMs shut down
Enter Maintenance Mode
Starting ASP patch installation
Conducting dry run for the upgrade
Installation Result
  Message: Dryrun only, host not changed. The following installers will be
applied: [BootBankInstaller]
  Reboot Required: true
```

After the dry run for the ESXi upgrade is successful, the script displays the following message:

```
Dry run for upgrade successful. Proceeding for actual upgrade ...
Installation Result
  Message: The update completed successfully, but the system needs to be
rebooted for the changes to be effective.
  Reboot Required: true
```

The script displays the following message after a successful upgrade:

```
ASP patch installation complete
Cleaning up some AVP code
Setting up Services Technician Laptop port for ASP130/ASP S8300 Server
Generating Certificates with current hostname [avpS8300el.dr.avaya.com]
Services port configured
New vmk1 for Services Port
Name IPv4 Address IPv4 Netmask IPv4 Broadcast Address Type Gateway DHCP
DNS
-----
vmk1 192.11.13.6 255.255.255.252 192.11.13.7 STATIC 0.0.0.0
```

```
false
Setting up an Idle time of 10 minutes before an interactive shell session is
automatically logged out
Setting up an Idle time of 10 minutes before an interactive Host Client session
is automatically logged out
Enabling and starting SSH on host
Exit Maintenance Mode
Deleting AVPU VM
Going for Reboot ....
```

11. To check if the Avaya Solutions Platform S8300 host is ready to use after migration, run a ping test to the Management IP of the host using the following command: `ping <management IP>`

After a successful ping test, log in with your credentials and proceed to the next step.

**\* Note:**

If the ASP S8300 does not respond, troubleshoot the issue. Some issues resolve with a reset of the server, some issues require a reimage and redeploy of all software and restoration of application backups. Other issues require a replacement of the Avaya Solutions Platform S8300 physical server.

12. Connect to Avaya Solutions Platform S8300 remotely or through the services port.
  - If connecting remotely, open a web browser and connect to the Management IP (`https://<hostIP>/ui`).
  - If connecting through a services port, use an SSH client and connect to the server through the eth1 services port using the following network parameters on your local PC:
    - IP address: 192.11.13.5
    - Netmask: 255.255.255.252
    - Gateway: 192.11.13.6

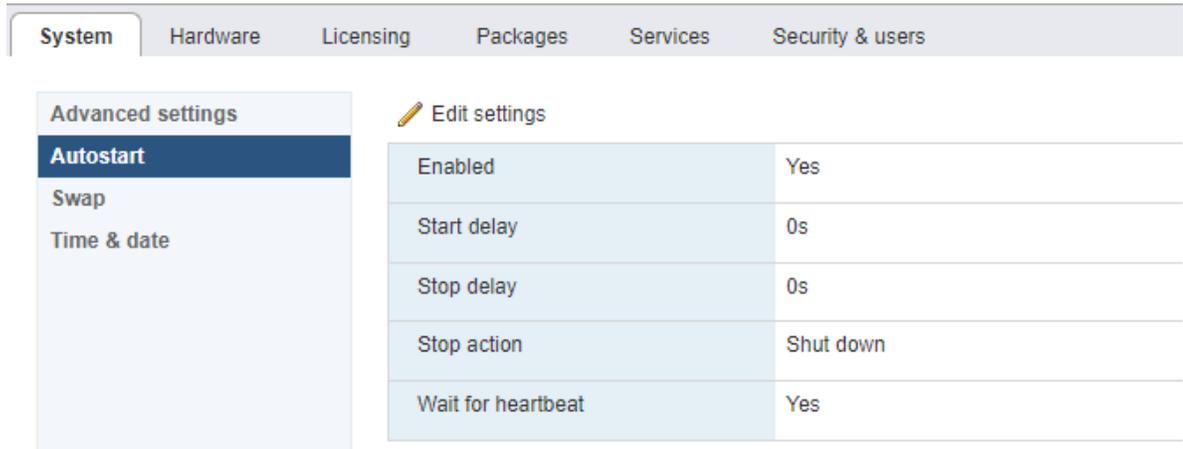
The SSH client must use UTF-8 and TLS 1.2.

You can access the ASP S8300 host with the following IP address: 192.11.13.6

Open a web browser and connect to the ESXi host - `https://192.11.13.6/ui`

To log in to the ESXi and gain access to the Avaya Solutions Platform S8300 host, the user name is `root`, and the password is the one you created during the migration at step 6.

- Navigate to **Host > Manage > System** and verify if **Autostart** is enabled. If it is not, enable **Autostart**.

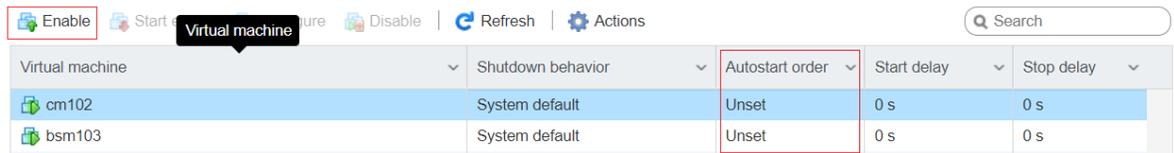


- Check if **Autostart order** is enabled for virtual machines. To enable autostart priority for a VM, select the VM and click **Enable**.

**Note:**

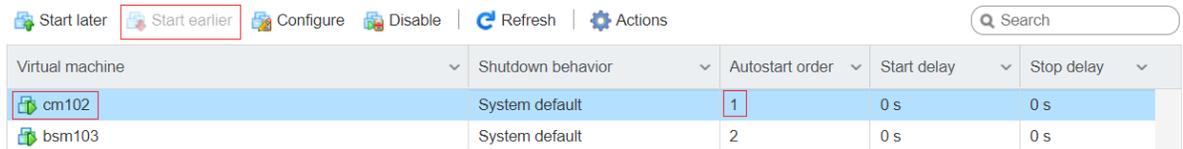
Setting **Autostart order** for VMs ensures that all VMs in the host reboots chronologically.

The following screenshot displays **Autostart order** disabled:



- After enabling autostart order of VMs, to configure a VM to start earlier or later when compared to other VMs, click **Start earlier** or **Start Later**.

Select a VM and click **Start earlier** to schedule autostart earlier compared to other VMs in the **Autostart order**. The following screenshot displays **Autostart order** enabled for both VMs and **Start earlier** selected for the **cm102** VM:



Select a VM and click **Start later** to schedule autostart later compared to other VMs in the **Autostart order**. The following screenshot displays **Autostart order** enabled for both VMs and **Start later** selected for the **bsm103** VM:

Virtual machine	Shutdown behavior	Autostart order	Start delay	Stop delay
cm102	System default	1	0 s	0 s
bsm103	System default	2	0 s	0 s

16. Navigate to **Time & date** and verify time and date are set. If not, configure the time and date.

The screenshot shows the 'Time & date' configuration page. On the left, there is a sidebar with 'Time & date' selected. The main content area has a table with the following data:

Property	Value
Current date and time	Monday, February 28, 2022, 11:42:06 UTC
NTP service status	Running
NTP servers	1. 10.0.0.19
PTP client	Disabled
PTP service status	Stopped
Network interface	--

17. Check if NTP is configured.

**Note:**

For more information on configuring the NTP server, see the NTP server configuration section in the *Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300* publication.

18. Navigate to **Networking > Default TCP/IP stacks** and verify DNS configuration.

The screenshot shows the 'Default TCP/IP stacks' configuration page. The table below represents the data shown:

Name	IPv4 gateway	IPv6 gateway	Preferred DNS	Alternate DNS
vMotion stack	--	--	--	--
Provisioning stack	--	--	--	--
Default TCP/IP stack	100.20.40.1	--	10.133.100.254	--

19. Navigate to **Host > Manage > License** and install the ESXi 7.0 license you downloaded from PLDS.

**\* Note:**

Install Avaya Solutions Platform S8300 with a valid license file. For more information on installing a valid license file, see [Installing ESXi 7.0 License file on the ASP S8300 host](#) on page 21.

20. Select Avaya Solutions Platform S8300 host and verify application Virtual Machines are up and working properly.
21. If application backups are saved off the host, you are ready to update your applications from Avaya Aura® 8.1.x to Avaya Aura® 10.1. Refer to application-specific documentation for upgrade instructions and restoration of application backups after the upgrade is complete.

---

## Installing ESXi 7.0 License file on the ASP S8300 host

### About this task

This procedure is not required for preloaded/prelicensed ASP S8300. However, for a preloaded/prelicensed S8300 the ESXi 7.0 Foundation License on PLDS must be activated by the implementor prior to completing the implementation.

Due to changes in our third-party vendor agreement, all NEW orders for ASP 5.1.x will no longer have the ESXi license key posted in PLDS. A unique foundations license key will be provided on a label on the ASP S8300 HDD/SSD. In the event of an S8300E replacement, the unique license code on the ASP S8300 HDD/SSD will need to be removed and placed on the replacement S8300E. If it is not possible to remove the label, care must be taken to record the unique license key for use on the replacement S8300E and for future use in the event the ASP S8300E would need to have ESXi reinstalled. Existing ASP S8300 servers with a license obtained from PLDS are **not** impacted by this change, only new orders shipped from Avaya's Integrator and warehouses. Existing inventory that was previously sold to Distributors and Partners and is present in their supply chain, will still have the old key. Only when they replenish stock with new orders, post the cutover, will the change take place. *Target cutover is tentatively scheduled for early-mid August, 2024, subject to change. Ensure you are signed up for e-notification.*

### Before you begin

- 
- Activate the ESXi 7.0 Foundation License on PLDS and then download the ESXi 7.0 license key from the Avaya PLDS website.
- One ESXi key is required for each ASP S8300.
- Ensure to copy the license key from Avaya PLDS for each host.

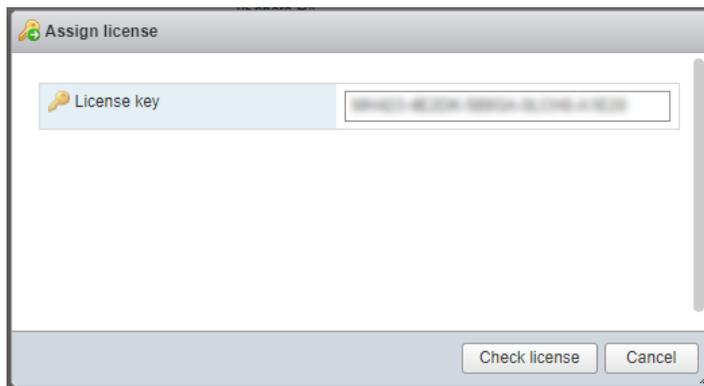
**\* Note:**

VMware has equipped Avaya with a unique Avaya license key for ASP servers that enables Avaya to use one key for ASP S8300 ESXi 7.0 customer licensing. However, Avaya must maintain records that show individual entitlements for each server that the key is applied to. Each ASP S8300 running ESXi 7.0 or greater must be associated with an LAC in PLDS.

It is possible that one LAC can have multiple quantities for ASP S8300 licenses, if multiple quantities are ordered.

### Procedure

1. Log in to the ESXi host at `https://[IP Address of host]/ui`.
2. In the left pane, click **Host** to expand the **Host** menu.
3. Click **Manage**.
4. In the right pane, navigate to **Licensing** tab and click **Assign license**.
5. In the **Assign license** dialog box, paste the license key downloaded from PLDS.
6. Click **Check license**.

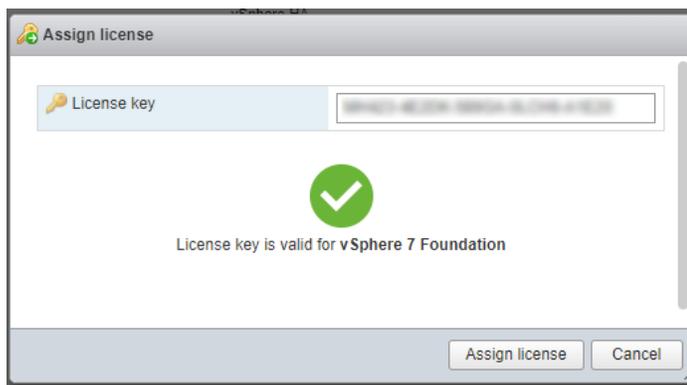


7. A pop-up dialog box displays the following message:

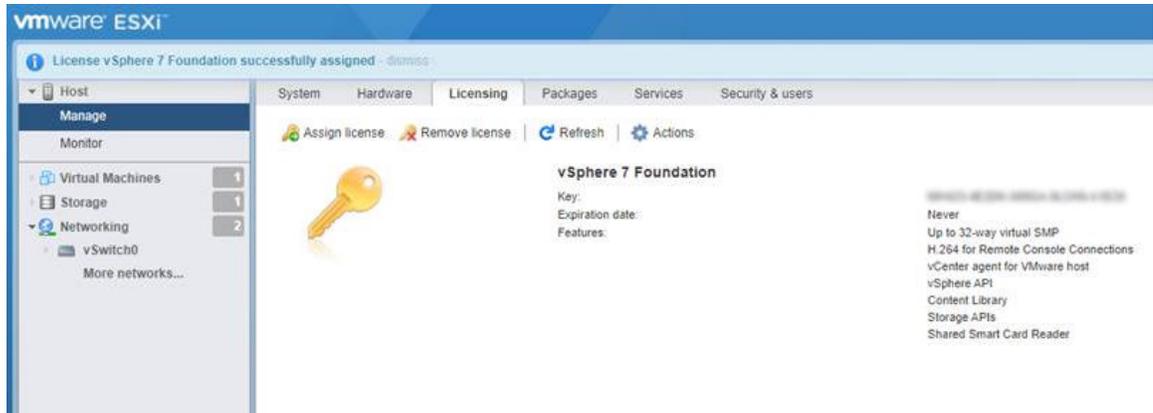
License key is valid for vSphere 7 Foundation

Verify that the license key is valid for vSphere 7 Foundation. Only a Foundation license is valid on the ASP S8300.

8. Click **Assign license** to confirm.



The **Licensing** tab displays the updated ESXi 7.0 license.



# Chapter 5: Post-migration verification

---

## EASG status

If Enhanced Access Secure Gateway (EASG) was disabled on the Avaya Virtualization Platform prior to migration, EASG stays disabled on the Avaya Solutions Platform S8300 post migration.

For more information on EASG, see Installing the EASG VIB section in the *Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300* publication.

---

## OOBM status

If Out of Band Management (OOBM) network was enabled on the Avaya Virtualization Platform prior to migration, OOBM network stays enabled on the Avaya Solutions Platform S8300 post migration.

For more information on OOBM network, see Securing Network Configuration on ASP S8300 chapter in the *Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300* publication.

---

## Verifying Avaya Solutions Platform S8300 software release and ESXi version

### About this task

This procedure is applicable to both preloaded/prelicensed Avaya Solutions Platform S8300 and fresh install on Avaya Solutions Platform S8300.

#### Note:

Preloaded/prelicensed ASP S8300s may not contain the latest Avaya certified ESXi release. It is the responsibility of the installer to ensure that the latest Avaya certified ESXi release is installed prior to handoff to customer.

The versions shown below are examples. Always verify the version information against the relevant upgrade bundle that was utilized.

## Procedure

1. Log in to the ESXi host by using a *Secure Shell (SSH)* client, such as PuTTY (Not provide by Avaya).
2. Authenticate using the existing *root* credentials.
3. To verify the Avaya Solutions Platform S8300 software release, type the `cat /opt/avaya/etc/avaya-asp.version` command and press **Enter**.

Example output:

```
ASP Release 5.1
```

4. To verify the ESXi version, type the `vmware -v1` command or the `esxcli system version get` command.

Example output after you type the `vmware -v1` command and press **Enter**:

```
VMware ESXi 7.0.2 build-18538813  
VMware ESXi 7.0 Update 2
```

Example output after you type the `esxcli system version get` command and press **Enter**:

```
Product: VMware ESXi  
Version: 7.0.2  
Build: Releasebuild-18538813  
Update: 2  
Patch: 25
```

# Chapter 6: Resources

---

## Avaya Solutions Platform S8300 documentation

The following documents are available on Avaya support site at <https://support.avaya.com/>:

Title	Description
<i>Installing, Maintaining, and Troubleshooting Avaya Solutions Platform S8300</i>	Describes how to install, maintain, and troubleshoot Avaya Solutions Platform S8300.
<i>Migrating from Appliance Virtualization Platform deployed on S8300 Server to Avaya Solutions Platform S8300</i>	Describes migration procedure from AVP to Avaya Solutions Platform S8300.
<i>Port Matrix for ASP S8300</i>	This document provides a list of interfaces, TCP and UDP ports that hardware components and applications use for intra-connections and for inter-connections with external applications or devices.
<i>Policies for technical support of the Avaya Solutions Platform (ASP) 130 and S8300E R5.1</i>	This document and statements related to support are only with respect to Avaya Services support of the software and hardware of the Avaya Solutions Platform (ASP) 130 server and S8300E server based on supported and tested configurations.

---

## Appliance Virtualization Platform documentation

The following table lists the documents related to Appliance Virtualization Platform. Download the documents from the Avaya Support website at <http://support.avaya.com>.

Title	Description	Audience
Implementing		
<i>Deploying Avaya Aura<sup>®</sup> Appliance Virtualization Platform</i>	Deploy, configure, and administer Avaya Aura <sup>®</sup> Appliance Virtualization Platform.	Implementation personnel

*Table continues...*

Title	Description	Audience
<i>Upgrading Avaya Aura® Appliance Virtualization Platform</i>	Upgrade Avaya Aura® Appliance Virtualization Platform.	Implementation personnel
Administration		
<i>Avaya Aura® Appliance Virtualization Platform and AVP Utilities Data Privacy Guidelines</i>	Describes how to administer Avaya Aura® Appliance Virtualization Platform to fulfill Data Privacy requirements.	Implementation personnel, system administrator, service and support personnel

---

## Finding documents on the Avaya Support website

### Procedure

1. Navigate to <http://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 an appropriate release number.
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 displays the documents only from the selected category.
7. Click **Enter**.

---

## Accessing the port matrix document

### Procedure

1. Go to <https://support.avaya.com>.
2. At the top of the screen, click **Sign In**.
3. Type your **EMAIL ADDRESS** and click **Next**.
4. Enter your **PASSWORD** and click **Sign On**.
5. Click **Product Documents**.
6. Click **Search Product** and type the product name.
7. Select the **Select Content Type** from the drop-down list

8. In **Choose Release**, select the required release number.
9. In the **Content Type** filter, select one or both the following categories:
  - **Application & Technical Notes**
  - **Design, Development & System Mgt**The list displays the product-specific Port Matrix document.
10. Press **Enter**.

---

## Avaya Documentation Center navigation

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

### **Important:**

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

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 (👁️).

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

- Enable **Include in email notification** to receive email alerts.
- Unwatch 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 Twitter.
- 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.

---

## Viewing Avaya Mentor videos

Avaya Mentor videos provide technical content on how to install, configure, and troubleshoot Avaya products.

### About this task

Videos are available on the Avaya Support website, listed under the video document type, and on the Avaya-run channel on YouTube.

- To find videos on the Avaya Support website, go to <https://support.avaya.com/> and do one of the following:
  - In **Search**, type `Avaya Mentor Videos`, click **Clear All** and select **Video** in the **Content Type**.
  - In **Search**, type the product name. On the Search Results page, click **Clear All** and select **Video** in the **Content Type**.

The **Video** content type is displayed only when videos are available for that product.

In the right pane, the page displays a list of available videos.

- To find the Avaya Mentor videos on YouTube, go to [www.youtube.com/AvayaMentor](http://www.youtube.com/AvayaMentor) and do one of the following:
  - Enter a keyword or keywords in the **Search Channel** to search for a specific product or topic.
  - Scroll down Playlists, and click a topic name to see the list of videos available. For example, Contact Centers.

 **Note:**

Videos are not available for all products.

---

## Support

Go to the Avaya Support website at <https://support.avaya.com> 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.

## Using the Avaya InSite Knowledge Base

The Avaya InSite Knowledge Base is a web-based search engine that provides:

- Up-to-date troubleshooting procedures and technical tips
- Information about service packs
- Access to customer and technical documentation
- Information about training and certification programs
- Links to other pertinent information

If you are an authorized Avaya Partner or a current Avaya customer with a support contract, you can access the Knowledge Base without extra cost. You must have a login account and a valid Sold-To number.

Use the Avaya InSite Knowledge Base for any potential solutions to problems.

1. Go to <http://www.avaya.com/support>.
2. Log in to the Avaya support website with a valid Avaya user ID and password.  
The system displays the Avaya Support page.
3. Click **Support by Product > Product-specific Support**.
4. In **Enter Product Name**, enter the product, and press `Enter`.
5. Select the product from the list, and select a release.
6. Click the **Technical Solutions** tab to see articles.
7. Select relevant articles.

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