Technical Guide

# Windows to VST-VRT Vista Manager Migration

User Guide

# Introduction

Vista Manager EX™ is a graphical network monitoring and management tool for Allied Telesis Autonomous Management Framework™ (AMF) networks.

The Windows version of Vista Manager EX will no longer be supported. This guide provides step by step instructions on how to back up and restore your existing data from the Windows version, and transfer it to the VST-VRT installation of Vista Manager EX.

## About this Guide

In light of the scheduled end of support for Microsoft Windows 10 on October 14, 2025, and the phased discontinuation of the Windows OS version of Vista Manager EX, we recommend that customers currently using the Windows OS version transition to the virtual appliance version, VST-VRT.

This document outlines the migration procedure from the Windows OS version to the VST-VRT version.

### Related documents

For more information, see:

- The Vista Manager web page
- The Vista Manager User Guide

- Vista Manager Virtual (VST-VRT) Technical Documents
- AMF Plus Feature Overview and Configuration Guide
- AMF Plus Introduction and videos

These documents are available from the links above or on our website at alliedtelesis.com

# Content

# Differences between versions

There are several key differences between the Windows OS version and the VST-VRT version of Vista Manager EX (hereafter referred to as Vista Manager).

## System Configuration

In the Windows OS version, Vista Manager and its plugins are installed as applications running on the Windows operating system.

In contrast, the VST-VRT version runs an OS image within a specified virtualization environment. Vista Manager and its plugins operate as containerized applications within this OS.

Please note that the operating system required to run the virtualization environment must be prepared separately.

## Version numbers

In the VST-VRT version, in addition to the software version of Vista Manager (which is the same as the Windows OS version), there is a software version for the VST-VRT execution environment itself (referred to as the 'firmware version'), and a package version that includes both.

The latest supported versions are as follows:

### Windows OS Version

- Vista Manager EX Software Version 3.15.0

### VST-VRT Version

- VST-VRT Firmware Version 1.12.2
- VST-VRT Package Version 3.13.2
- Vista Manager Software Version 3.15.1

## Unsupported Windows Features

The following features, which are supported in the Windows OS version, are **not** supported in the VST-VRT version. Additionally, there are differences in the number of manageable devices, so please refer to the respective reference manuals for details.

### Unsupported features

- Restoring backups from VST-VRT to Windows is not supported.

### Unsupported AWC Plugin features

- AWC-Sky Defender Vista Appliance Storage

**Unsupported SNMP Plugin features**

- SNMP Network Trend Display
- SNMP Device List and Alert Severity
- SNMP Node Attribute Display (Port, Stack, Chassis, Slot)
- SNMP Node Attribute Flags
- Clearing, GUI Invocation
- SNMP Action Command Parameters

## IP Address Requirements

In the VST-VRT version, separate IP addresses are required for the VST-VRT system and each application.

Please prepare IP addresses according to the number of applications you plan to use.

(e.g. 192.168.1.**21**, 192.168.1.**22**, 192.168.1.**23**... etc.).

# Licenses

## License Transfer

When migrating from the Windows OS version, the licenses used in that version **can** continue to be used with the VST-VRT version.

This document assumes that you are using existing licenses for the core Vista Manager functionality, the AWC plugin, and the SNMP plugin from your previous Windows OS version.

Please note that while other applications can be run on the VST-VRT version, licenses for those applications are not included in the licenses transferred from the Windows OS version. Therefore, they are not covered in this document.

If you wish to use applications other than the Vista Manager core functionality, AWC plugin, and SNMP plugin, please contact your Allied Telesis sales representative to purchase the necessary licenses separately.

# Network configuration changes

## Network Configuration Changes Due to Additional IP Addresses

Since separate IP addresses are now required for each application, you may have to make changes to your network.

Please adjust the following settings according to your usage. Note that changes to IP addresses will not affect management functionality.

- Syslog Destination Host configured on AMF Devices (If previously set to Vista Manager)
- Reconfiguration of sFlow ports (If sFlow monitoring is being used)
- Reconfiguration of Access Lists on devices (If communication control with Vista Manager is in place)
- SNMP settings in the common AP configuration of the AWC Plugin (If wireless APs are also managed via the SNMP plugin)
- DHCP Option 43 (Vendor-Specific Information) configured on the DHCP server (If wireless APs obtain IP addresses via DHCP during registration)
- Trap destination host configured on SNMP devices

# SNMP plugin precautions

## SNMP subnet names

In the VST-VRT version of the SNMP plugin, if a subnet name contains a single quotation mark ('), it may cause malfunction in the device monitoring feature.

Before creating a backup in the Windows version, please ensure that subnet names do not contain single quotation marks.

If a backup file from the Windows version SNMP plugin containing (') subnet name is mistakenly restored in the VST-VRT version, please delete the affected subnet and re-register it with a valid name.

Note: When re-registering, device discovery under subnets will be performed automatically.

Please ensure that all devices targeted for monitoring by the SNMP plugin are connected to the network at the time of re-registration.

## Executable Action Commands

SNMP action commands that execute Windows OS-specific commands will not function in the VST-VRT version.

Integration with third-party remote systems using the rsh command can be made functional by reconfiguring the command options to match the VST-VRT version.

For details, please refer to the SNMP Plugin User Guide.

## Unsupported Periodic Monitoring Function

In the VST-VRT version of the SNMP plugin, ports, chassis, stacks, and slot nodes that are not being monitored may still appear in the tree view.

This is because the periodic monitoring function is not supported in the VST-VRT version. As a result, data last collected in the Windows OS version may continue to be displayed.

To clear this data, please run automatic subnet discovery again.

## Restoring from VST-VRT to Windows is not supported

Restoring backup files obtained from the VST-VRT version to the Windows OS version of Vista Manager and its plugins is not supported.

# System Requirements

VST-VRT can be operated as a virtual machine within a virtualization environment installed on a physical server. The following system requirements apply to VST-VRT when operating on a virtual machine.

When purchasing a physical PC, please make sure to select one that meets not only these requirements, but also those of the host OS and the virtualization environment.

## VST-VRT in a Virtualized Environment

The following table outlines the system requirements for operating VST-VRT on a virtual machine within a virtualization environment.

Table 1: System Requirements for Virtualized Environment

| | |
|---|---|
| CPU[1] | Virtual CPU Configuration: 4 or more<br>Physical CPU Requirements for Running Virtual Machines: Intel Xeon Processor, 6 cores, 3.0GHz or higher[2] |
| Memory (RAM) Capacity | 32,768MB or more |
| Storage (HDD/SSD) Capacity | 695GB or more |

1. A CPU that supports AVX must be installed.
2. Please note that the listed CPU clock speed refers to the base operating frequency, not the maximum frequency when using Intel Turbo Boost Technology.

## System Requirements for Server PC (Physical Machine)

The system requirements for the server PC (physical machine) are shown in the following table.

Table 2: System Requirements for Physical Machine

| | |
|---|---|
| CPU[1] | Sufficient specifications including supported OS and system requirements for VST-VRT running in a virtualized environment |
| Memory (RAM) Capacity | |
| Storage (HDD/SSD) Capacity | |
| Network Interface | Network Interface: GbE × 1<br>Note: to use the interface bonding (redundancy) feature, GbE × 2 is required. |

1. A CPU that supports AVX must be installed.

## Example Configuration of Our Verified Server

Table 3: Example Configuration of Our Verified Server

| | |
|---|---|
| HOST OS | Windows Server 2022 |
| CPU | Intel Xeon Gold 5317 12 Cores 3.0GHz |
| Memory (RAM) Capacity | 64GB |
| Storage (HDD/SSD) Capacity | 1.8TB |

# Supported Virtualized Environments

The virtualized environments supported by VST-VRT are as follows:

**Hyper-V**

- Microsoft Hyper-V
- Hyper-V Server 2019

**Nutanix**

- Nutanix AOS (AHV) 6.5

**VMWare**

- VMware ESXi 8.0

## Hyper-V Host OS

When using VST-VRT with Microsoft Hyper-V, the supported host operating systems are:

- Microsoft Windows Server 2019
- Microsoft Windows Server 2022
- Microsoft windows server 2025

Note: Client operating systems are not supported.

# Workflow

To migrate from the Windows version to VST-VRT, you need to do the following:

1. **Update to the Latest Windows OS Version**
   - Back up Vista Manager, the AWC plugin, and the SNMP plugin from your current Windows OS version as shown in "Backing up the Windows OS Version" on page 10.
   - Uninstall them as per "Uninstall the old Windows version" on page 13. Then restore the backup to the latest Windows OS version, and update the database as seen in "Installing the New Windows Version" on page 15.
2. **Backup the data from the AWC and SNMP plugin applications to a USB stick**
   - Obtain backup files of the latest Windows version of Vista Manager, the AWC plugin, and the SNMP plugin from "Backing up the Windows OS Version" on page 10.
   - Copy them to external storage such as a USB memory stick.
3. **Set up a virtualized environment (such as Hyper-V)**
   - See "Installing VST-VRT on Hyper-V" on page 16 to set up a virtualized environment where VST-VRT can run.
   - Installation of the virtualization environment and its OS is not covered in this document—please refer to the documentation of each product.
4. **Install VST-VRT on the virtualized environment**
   - Install VST-VRT in the virtualized environment and launch the applications like in the Windows OS version.
5. **Restore the backup data to the VST-VRT version**
   - Copy the backup files saved on the external storage and restore them to the applications running on the VST-VRT.

# Part 1: Backing up existing data from the Windows version

## Backing up the Windows OS Version

To begin the migration, back up your existing Vista Manager, AWC and SNMP databases.

### Back up Vista Manager EX Core Functions

See the Windows-based installation guide for more information.

1. Log in to Vista Manager with an administrator account.
2. From the main menu, select **System Management.**
3. In the left-hand list of the content area, select **Database Management**.
4. Click the **Backup** button.
5. The Vista Manager EX Settings Backup dialog will appear. Click the **Backup** button.
6. Once the backup is complete, the backup file will be downloaded.
7. Follow your web browser's instructions to save the backup file.

The file name format is:

YYYYMMDDhhmmss.vistamanager.mongodump.tar.gz

### Back up the AWC Plugin

See the AWC Plug-in User Guide for more information.

1. Log in to Vista Manager with an administrator account.
2. From the **AWC plugin menu**, select **System Settings.**
3. Under **System Management**, configure the checkboxes below "Include in Backup File" as needed:
   - Wireless client history
   - Location estimation history
   - Logs from the log management page
   - Logs from remote monitoring

If you want to download history and log data together as a backup file, check the corresponding boxes. If history and log data are not needed, uncheck the boxes.

4. Click the **Backup** button under **System Management**.

   Once the backup is complete, the backup file will be downloaded.

5. Follow the web browser's instructions to save the backup file.

   The file name format is:

   config_atawc-X.X.X_BXX-YYYYMMDDhhmmss.zip.

## Back up the SNMP Plugin

See the SNMP Plug-in User Guide for more information.

1. Log in to the Vista Manager web management screen with an administrator account.
2. From the SNMP plugin menu, go to **System** > **Version Information**.

   The system settings screen will be displayed.

3. Under **System Management** > **Backup**, click the **Backup** button.

   Once the backup is complete, the backup file will appear in the web browser's download list.

   The file name format is:

   backup_snmp-X.X.X_win-YYYYMMDDhhmmss.zip.

# Part 2: Updating old Windows version to v3.15.0

Important notes on updating from previous versions:

- Updates cannot be performed using the Vista Manager EX setup program.
- To update, first back up your settings, uninstall Vista Manager EX, reinstall it, and then restore the settings.
- The same procedure is required when adding plugins to an active Vista Manager EX system. Plugin additions are treated as a type of update.

The steps in this section outline a typical update process.

Please refer to relevant documentation and adjust the procedure according to your actual environment.

### Version Terminology

In this section, Vista Manager EX version 3.15.0 is referred to as the “new version,” and earlier versions are referred to as the “old version.”

### Supported Upgrade Paths

Version 3.15.0 supports updates from the following previous versions:

- Software Version 3.12.1 and 3.12.2
- Software Version 3.13.x
- Software Version 3.14.x

If you are using a Vista Manager version older than the ones listed above, a step-by-step upgrade is required to bring it up to the latest version.

- After upgrading, you must update the topology to enable certain functions.
- Immediately after the upgrade, Vista Manager experiences high load due to device management data collection. We recommend to wait a few hours after logging in before performing the topology update.
  - Depending on the network size and PC resource availability, it may take several more hours after the topology update for the latest status to be fully displayed.
- When updating from a previous version, initial AP management will automatically apply settings to wireless access points (APs). This will cause temporary suspension of wireless communication.
- The license for Vista Manager EX is tied to an internally generated serial number created during installation. If you uninstall Vista Manager EX without backing up, and later reinstall it, a new internal serial number will be generated.
  - In this case, you must reissue the license using the new serial number. If a backup file exists, the previous internal serial number will be restored during reinstallation.
  - The license can then be used as-is, without reissuance.

## Uninstall the old Windows version

See the Vista Manager User Guide and the Windows-based installation guide for more information.

The **Uninstall** option does not appear in the Vista Manager menu for Windows 10 and Windows Server 2016. Run the **uninstaller.exe** from the _uninst folder within the directory where Vista Manager was installed.

Note that if you use the following versions, you must also delete the AWC plugin folders and/or cache. See below for more details.

- Vista Manager version 3.3.x
- Vista Manager version 3.5.0 or 3.5.1

**VM version 3.3.x**

If you were using the AWC plugin with Vista Manager version 3.3.x, contact Allied Telesis support before uninstalling. You need to obtain the clear_some_cache.bat file from support and delete cache files before uninstalling.

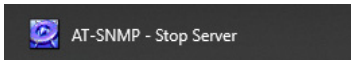
**VM version 3.5.0 or 3.5.1**

If you were using the AWC plugin with Vista Manager version 3.5.0 or 3.5.1, please delete the ‘prod’ folder before uninstalling:

***(Vista Manager installation folder)***\Plugins\AT-AWC\amf_gui\var\cache\prod

## Stop and Uninstall the Servers

1. Stop the SNMP plugin server.




   If you run the uninstaller without stopping the SNMP plugin server, a message such as "Files that need to be updated are currently in use" may appear.

   Select **Automatically close and attempt to restart applications**, and click the **OK** button.

2. Stop the Vista Manager EX server.

   1. Log in with the same user account used during installation.
   2. From the Windows application menu, select Vista Manager EX > Stop Server
   3. From the Windows application menu, select Vista Manager EX> Uninstall
   4. The Vista Manager EX uninstaller will launch.


3. Click the **Uninstall** button to proceed with the uninstallation.

   - If a dialog appears asking whether to restart the system, select either **Restart the system** or **Restart later**, and click the **Finish** button.

4. Delete the Installation folder.

If installed on the C: drive, the default installation folder is as follows:

*C:\Program Files (x86)\Allied Telesis\AT-Vista Manager EX*

5. Restart the server PC.

# Installing the New Windows Version

Follow the steps below to install the new version of the Windows version of Vista Manager.

If you plan to use the AWC plugin or SNMP plugin with the new version, please be aware that memory (RAM) and storage (hard disk or SSD) requirements may be higher than in previous versions. Additionally, some software may need to be installed beforehand. Please check your operating environment and proceed with the installation accordingly.

If you cancel the installation, an installation log will be output to the specified directory.

Please refer to the Vista Manager Windows-based Installation Guide for more information.

1. Allow the Vista Manager EX installer to pass through your antivirus software.

   Before installing, allow the Vista Manager EX installer to pass through your antivirus software, or momentarily disable antivirus software before running the installer. This is to prevent the antivirus software from mistakenly identifying the Vista Manager EX setup program as a virus and quarantining it.

If you are installing the AWC plugin and SNMP plugin together with Vista Manager, store the AWC installer and the SNMP installer in the same directory as the Vista Manager EX installer.

File names are as follows. XXX is the version number:

```
atawcXXXw.exe
atsnmpXXXw.exe
```

Do not store installers of **different versions** of the same plugin in the same directory (e.g., atawc100w.exe and atawc110w.exe).

2. **Start Windows** and **log in** with an Administrator user account.

   If the installer is launched by a user who does not belong to the Administrators group, a dialog will appear indicating that installation cannot proceed without Administrator privileges, and the installation will be interrupted.

3. **Run the Vista Manager installer** executable atvmexXXXw.exe

   XXX represents the version number.

4. Restore the backup to the latest Windows version (3.15.0), and update the database.

5. After installing, obtain backup files from the Windows version of Vista Manager (3.15.1), AWC Plugin, and SNMP Plugin.

   To see how to do this, see the following sections:

   - "Back up Vista Manager EX Core Functions" on page 10
   - "Back up the AWC Plugin" on page 10
   - "Back up the SNMP Plugin" on page 11

6. **Copy** the backup files to an external storage device such as a USB memory stick.

# Part 3: Transferring from 3.15.0 Windows to VST-VRT 3.15.1

## Virtualization environments and Host OS

You can choose a variety of supported virtualization environments. The following support VST-VRT as a virtual platform:

- **Hyper-V**

  Microsoft Hyper-V (running on a Windows OS or Windows Server)

  Windows server 2025

- **Nutanix**

  Nutanix AOS(AHV) 6.5

- **VMware**

  VMware ESXi 8.0

If you are using Microsoft Hyper-V Server 2019, Nutanix AOS (AHV), or VMware ESXi 8.0, these operate as hypervisors, so a host OS is not required.

When using VST-VRT with Microsoft Hyper-V, the supported host operating systems are as follows.

- Microsoft Windows Server 2019
- Microsoft Windows Server 2022

# Installing VST-VRT on Hyper-V

Client OS is not supported.

This example uses the ISO image method. For detailed installation information, including the VHD image method, see the **“Setting up VST-VRT on Hyper-V virtual machine”** section of the VST-VRT User Guide.

## Download the ISO file

1. Download the ISO image file from the Support Portal.

   Image files are distributed with names in the following format. The “X .Y . Z” section contains the version.

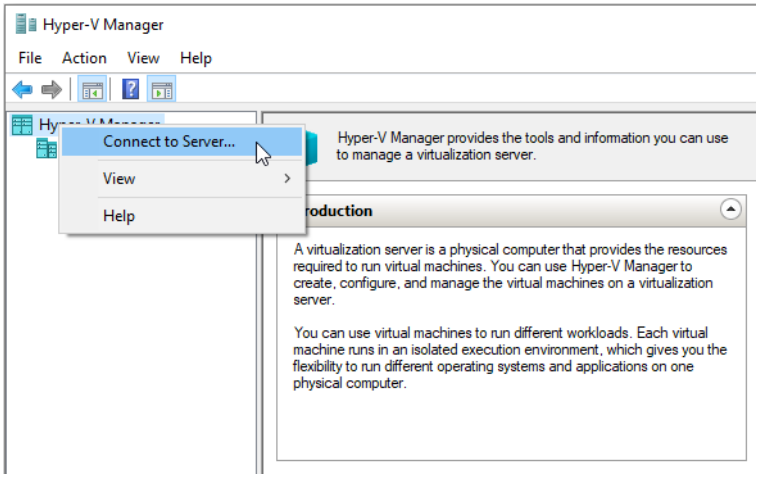
   *VST-VRT-X.Y.Z.iso*

## Create the virtual machine to run VST-VRT on Hyper-V

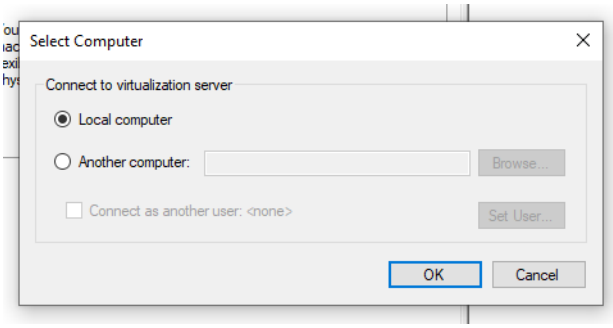
Create the virtual machines required to run this product on the Hyper-V host.

2. Start **Hyper-V Manager** from the Start menu.

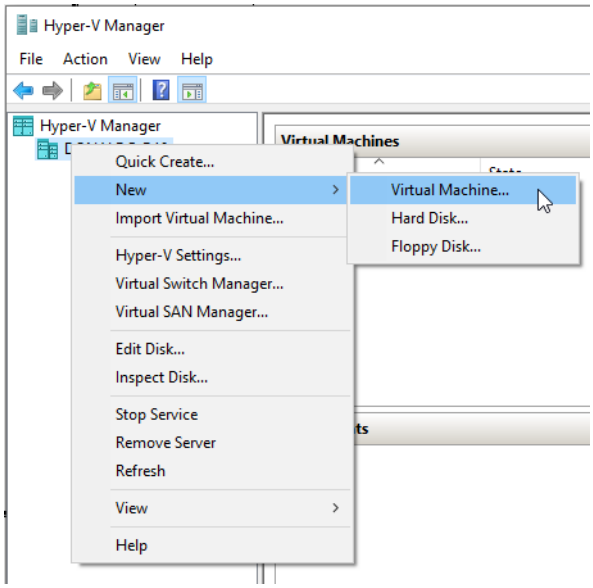
- If the Hyper-V host name (local server name) you are working on is not displayed in the left pane of the Hyper-V Manager window, add it using the following procedure.
  If the local server name is displayed, proceed to **step 3**.
  - Right-click **Hyper-V Manager** in the left pane and select **Connect to Server** from the context menu.



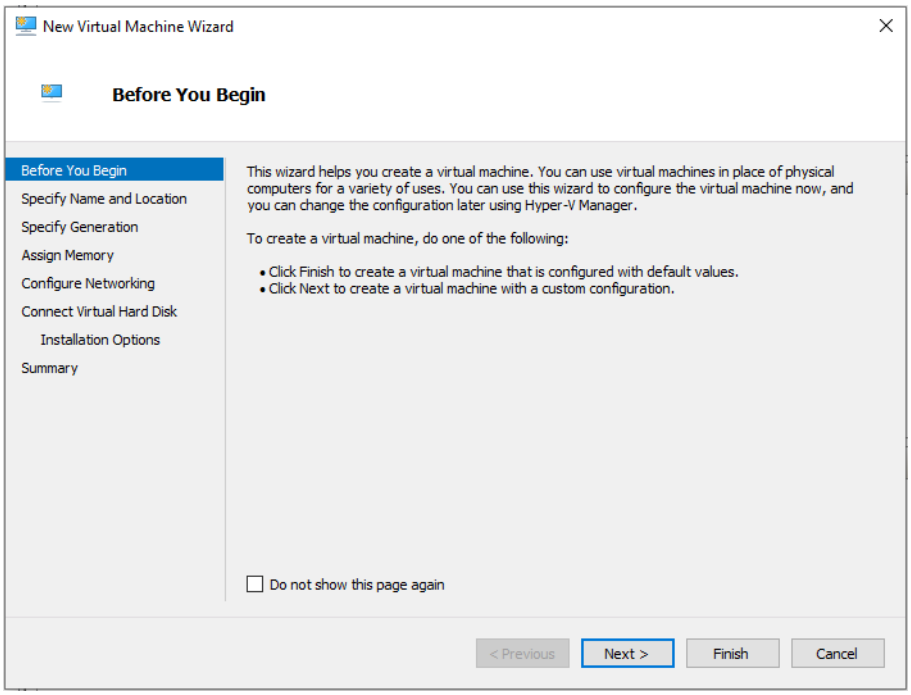

  - In the **Select Computer** dialog, select **Local Computer** and click **OK**.



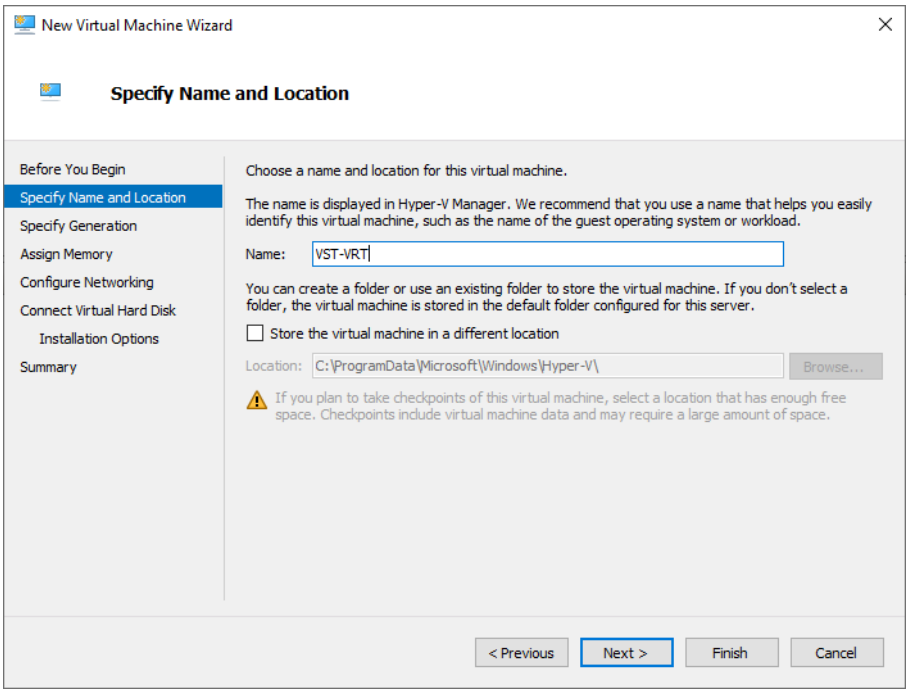

3. Right-click the local server name displayed in the left pane and select **New > Virtual Machine** from the context menu.



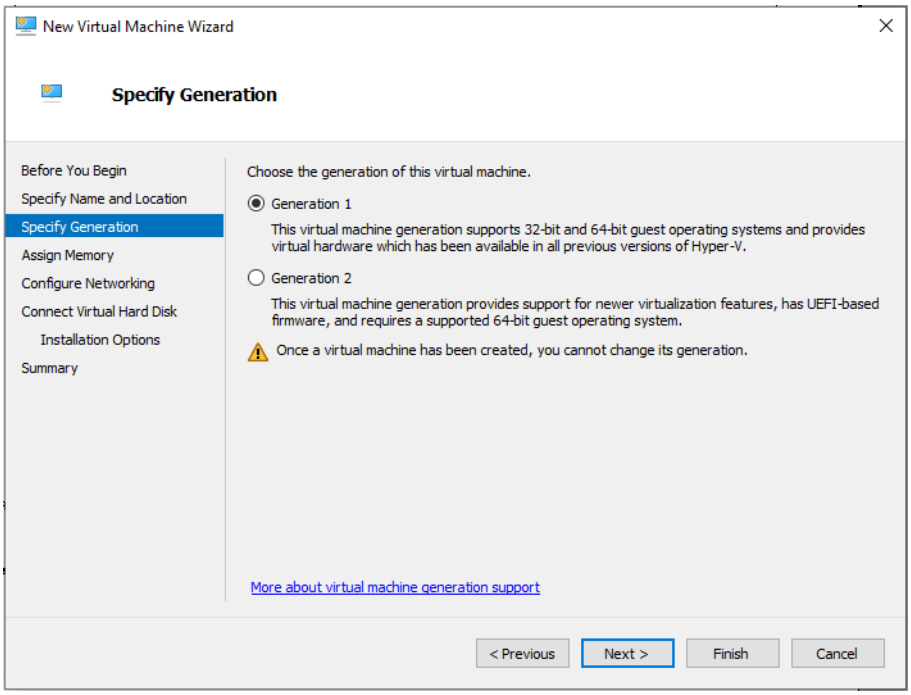

4. When the **Before You Begin** screen of the **New Virtual Machine Wizard** appears, click **Next**.



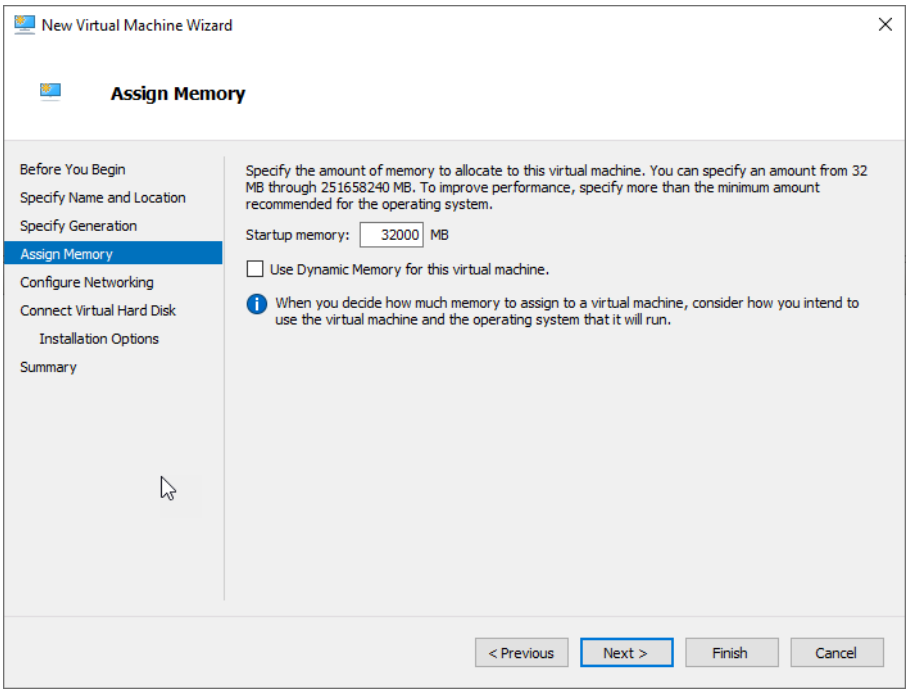
5. On the **Specify Name and Location** screen, enter the name of the virtual machine in the **Name** field and click **Next**.
   You can leave the default storage location for the virtual machine.



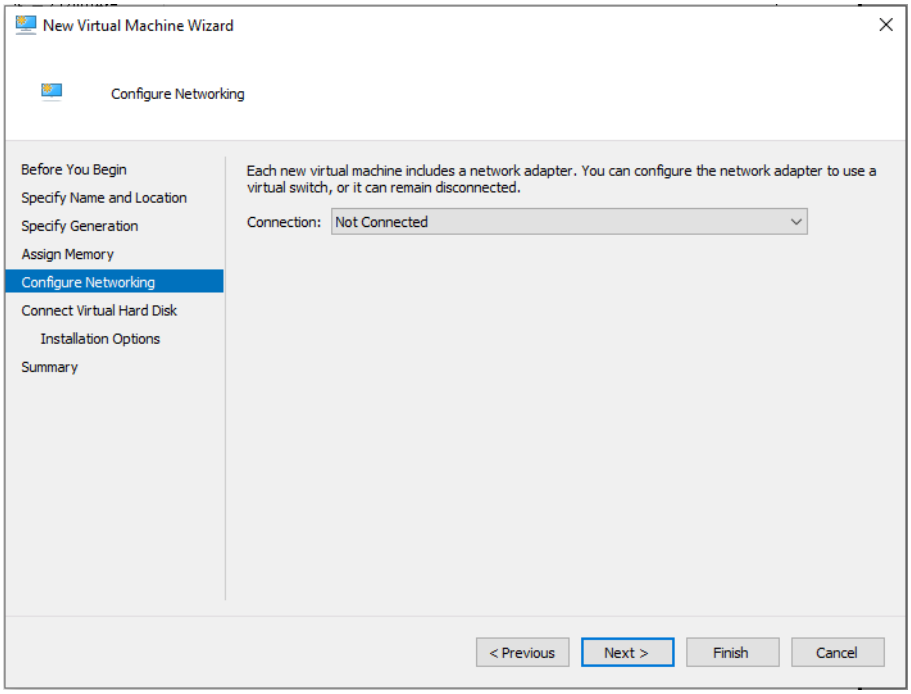

6. On the **Specify Generation** screen, select **Generation 1** and click **Next**.



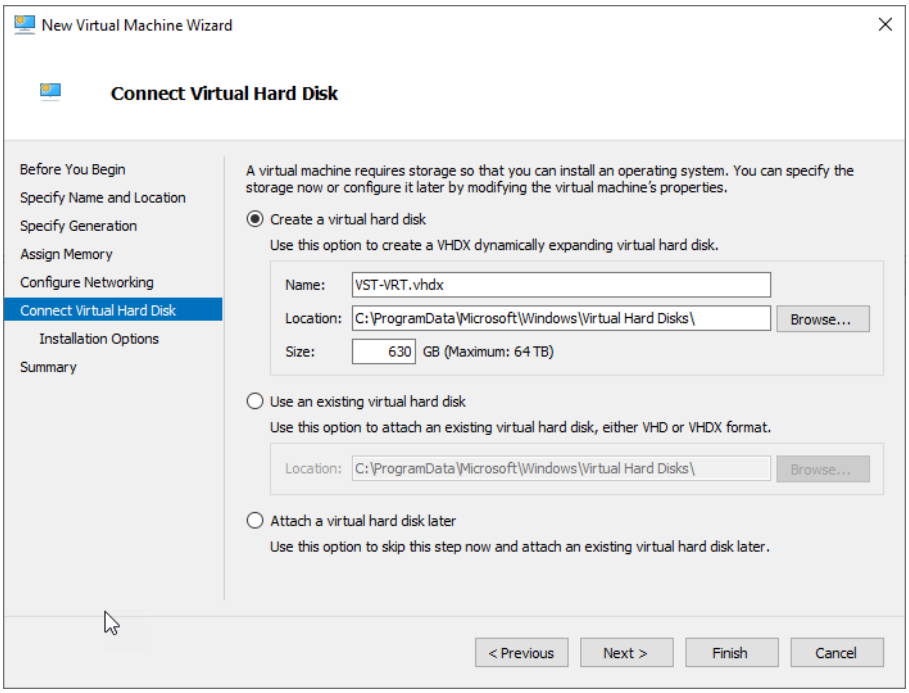
7. On the **Assign Memory** screen, enter the amount of memory to be allocated in the **Startup memory** field and click **Next**.
   Do not check “Use Dynamic Memory for this virtual machine”.



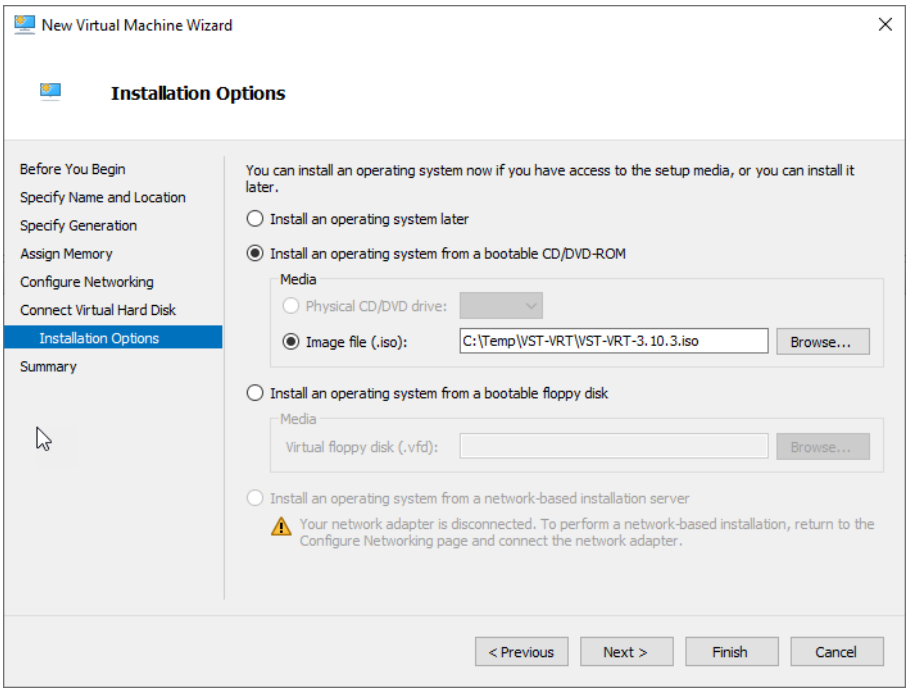

8. On the **Configure Networking** screen, leave the **Connection** field set to **Not Connected** and click **Next**. You will configure the network later.



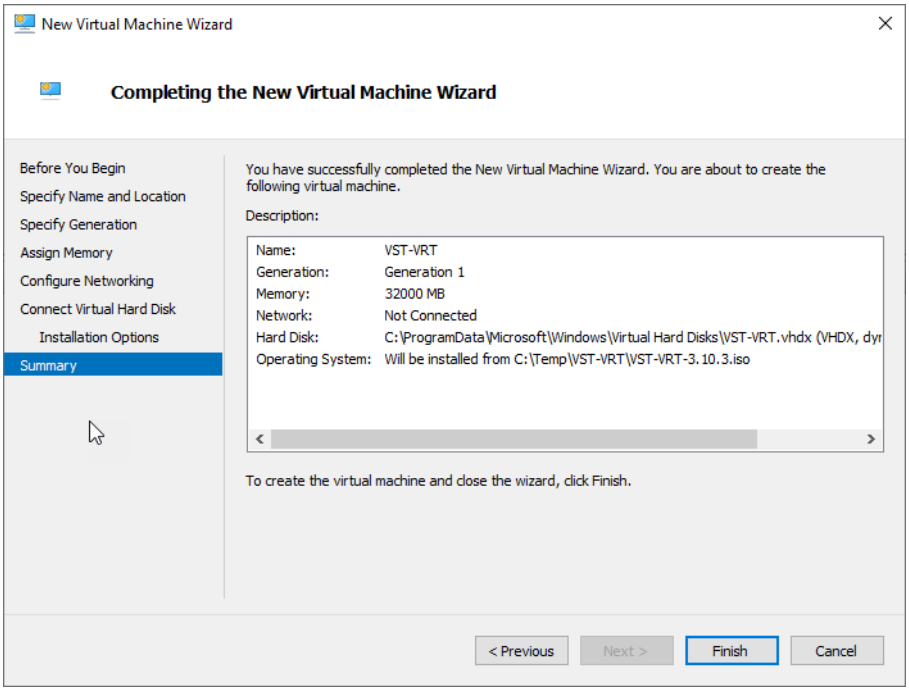
9. Select **Create a virtual hard disk**. Specify the **Name**, enter the space to be allocated in the **Size** field, and click **Next**.
   Leave the **Location** as default.




- The **Installation Options** screen will be displayed. Select **Install an operating system from a bootable CD/DVD-ROM** and select the ISO of this product in the **Image file (.iso)** field. Specify the image file and click **Next**.

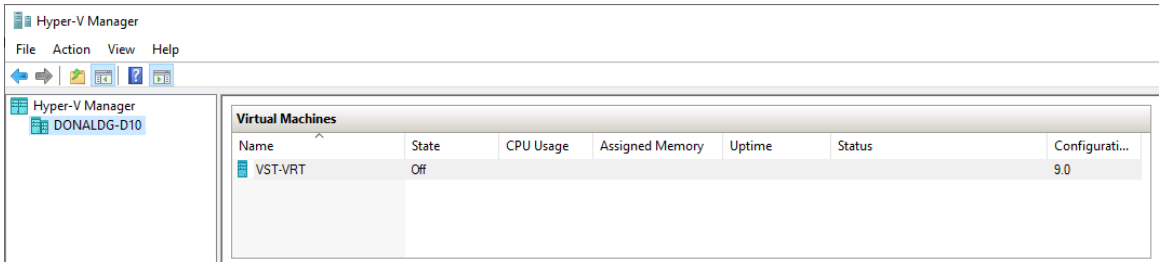


10. Review the summary on the **Completing the New Virtual Machine Wizard** screen. If there are no problems, click **Finish** to close the wizard screen.




11. The creation of the virtual machine is now complete.

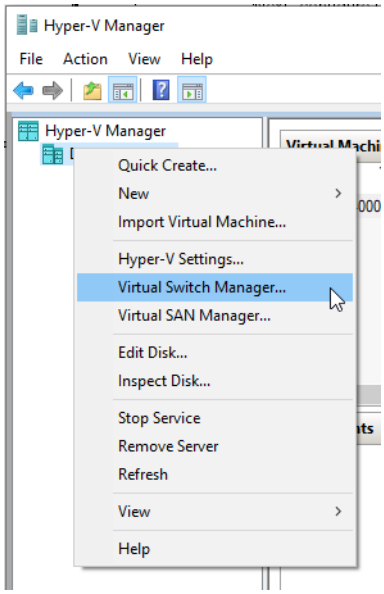
The created VST-VRT container will now be displayed in the **Virtual Machines** pane of Hyper-V Manager.



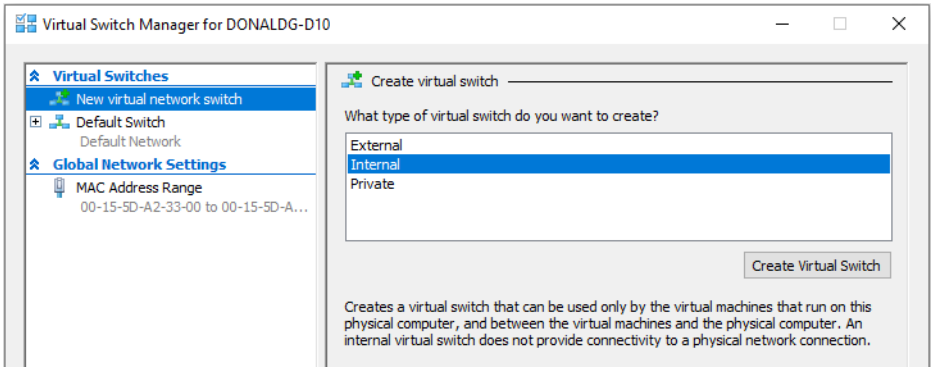
## Configure the virtual switch for connectivity

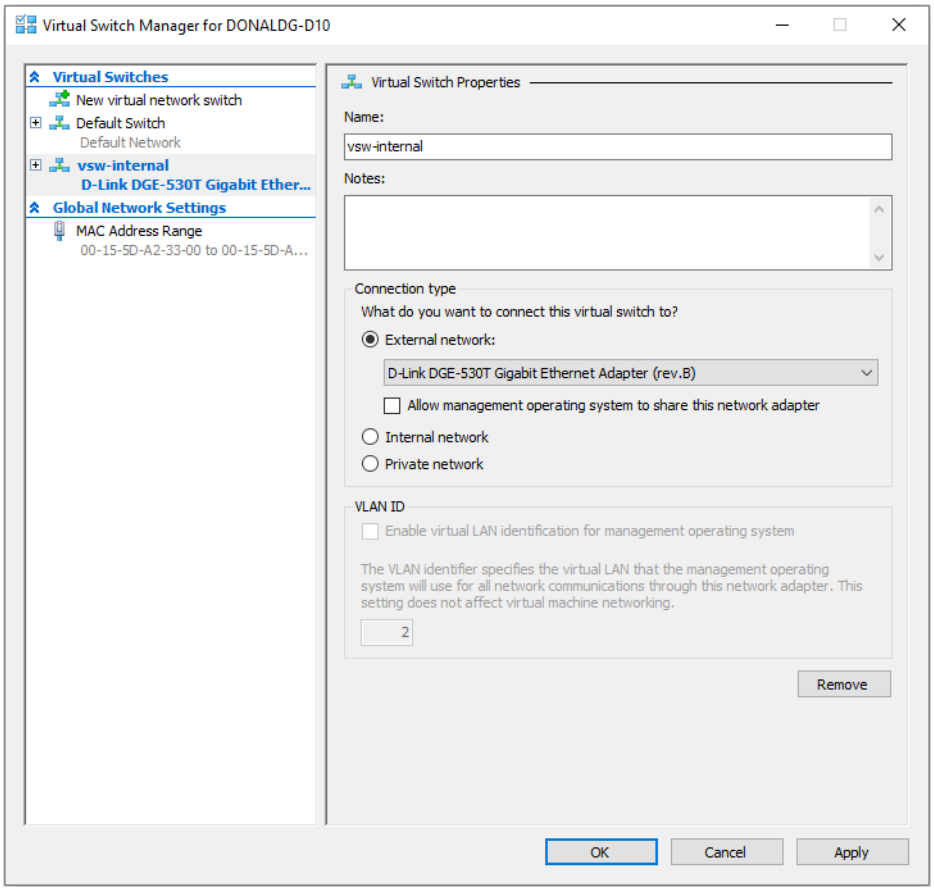
Next, configure the virtual switch.

1. Right-click the Hyper-V host name (local server name) displayed in the left pane of Hyper-V Manager and select **Virtual Switch Manager** from the context menu.



2. If **Virtual Switches** on the left pane displays the virtual switch containing the name of the network adapter used in this product, select it and change the settings below.
   If not, select **New virtual network switch** to create a new virtual switch and configure the settings as shown below.



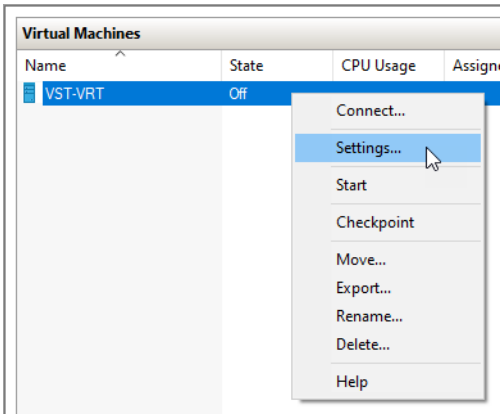

- Enter an appropriate virtual switch name in the **Name** field.
- Under **Connection type**, select the appropriate option for the connection destination of the virtual switch.
  - If you select **External network**, select the network adapter from the drop-down list.

After configuring the virtual switch, click **OK** to close the **Virtual Switch Manager** screen.

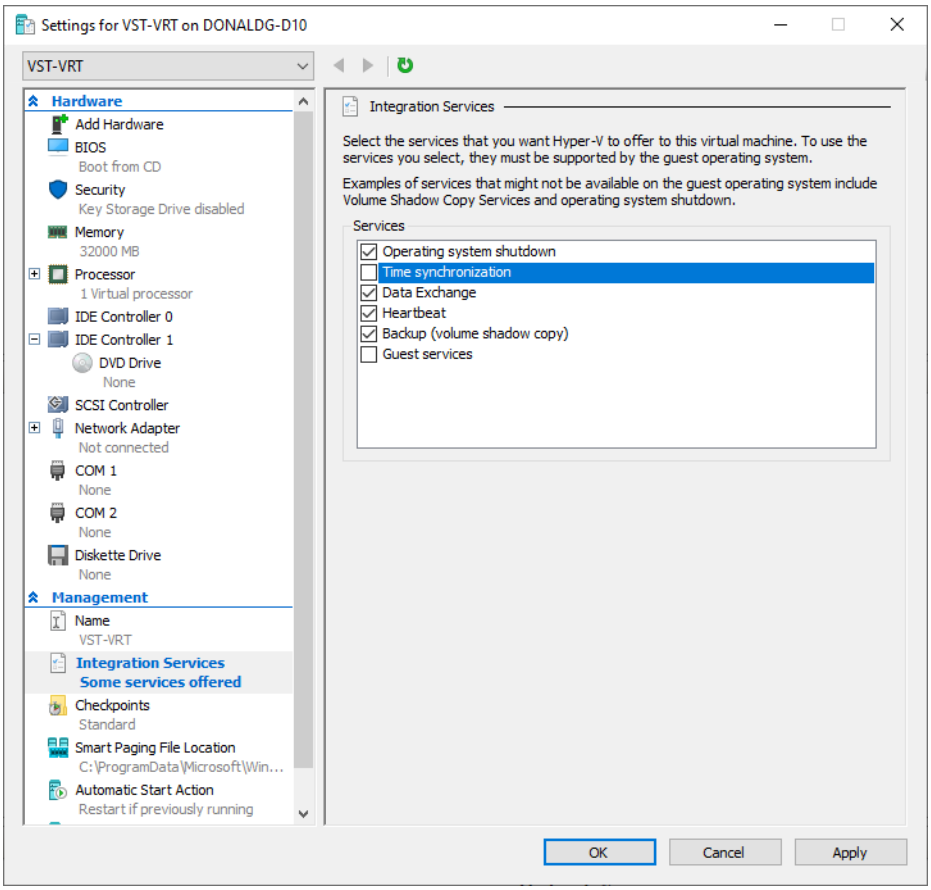
## Configure virtual machine settings

Next, configure the settings for the new virtual machine.

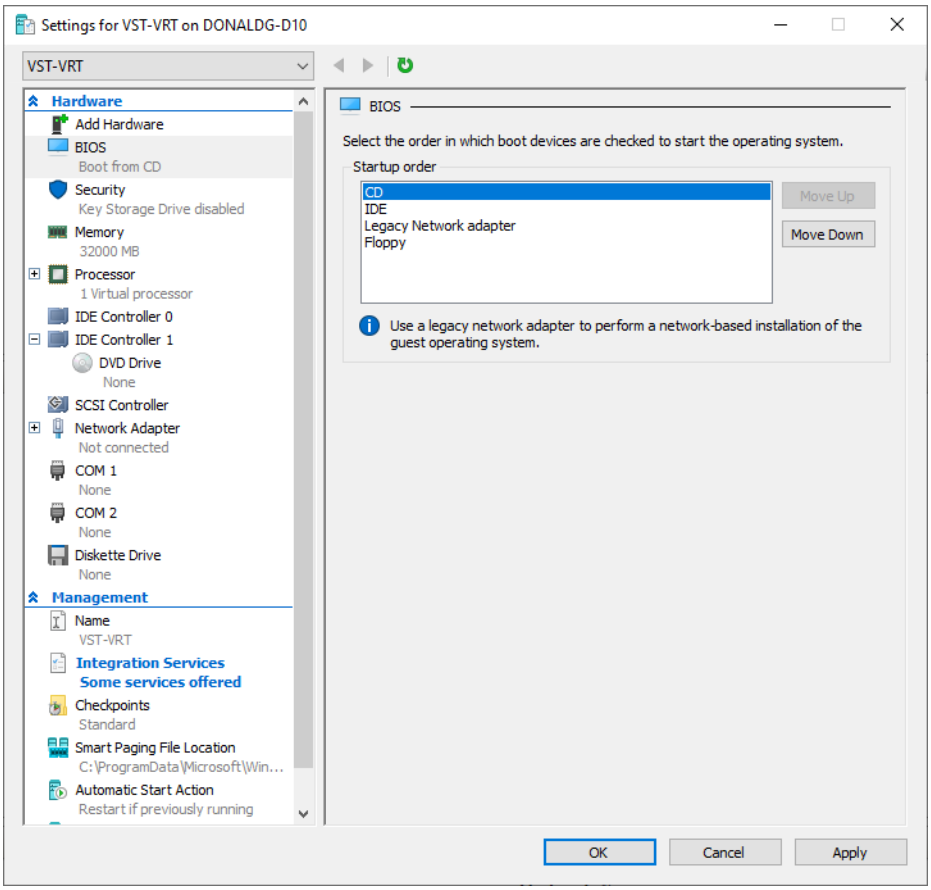
1. Right-click the virtual machine in the **Virtual Machines** pane and select **Settings** from the context menu.



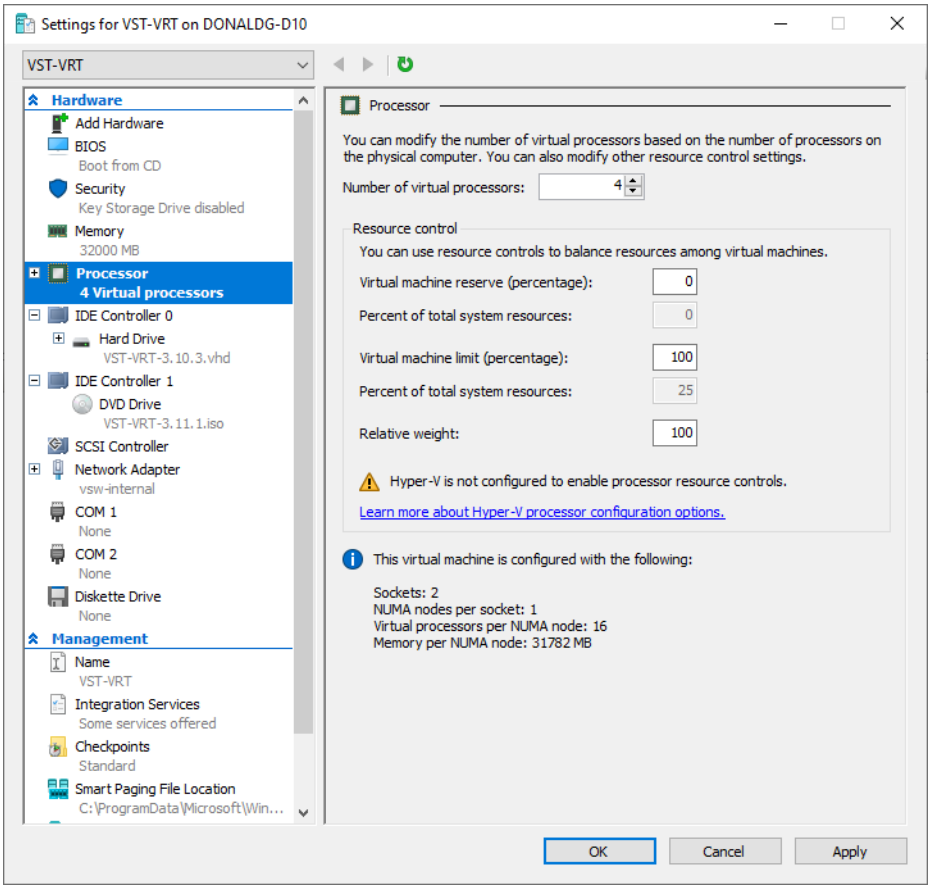

2. By default, Hyper-V virtual machines automatically synchronize with the time of the Hyper-V host. You can disable automatic synchronization so that the virtual machine can synchronize its own time. To do this, go to **Management > Integration Services** in the left pane, uncheck **Time synchronization** under Services, and click **Apply**.



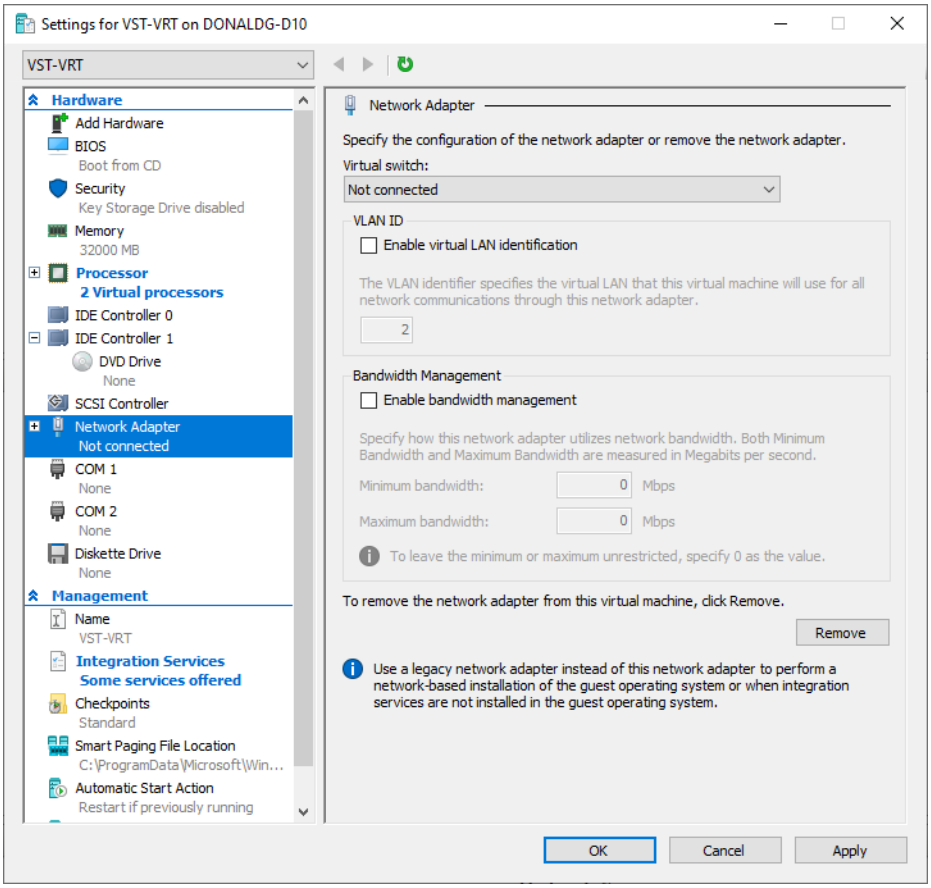
3. For the ISO image method only, select **Hardware > BIOS** in the left pane and confirm that **CD** is at the top of the **Startup order** displayed.
   If **CD** is not at the top, change the order with the buttons on the right and click **Apply**.



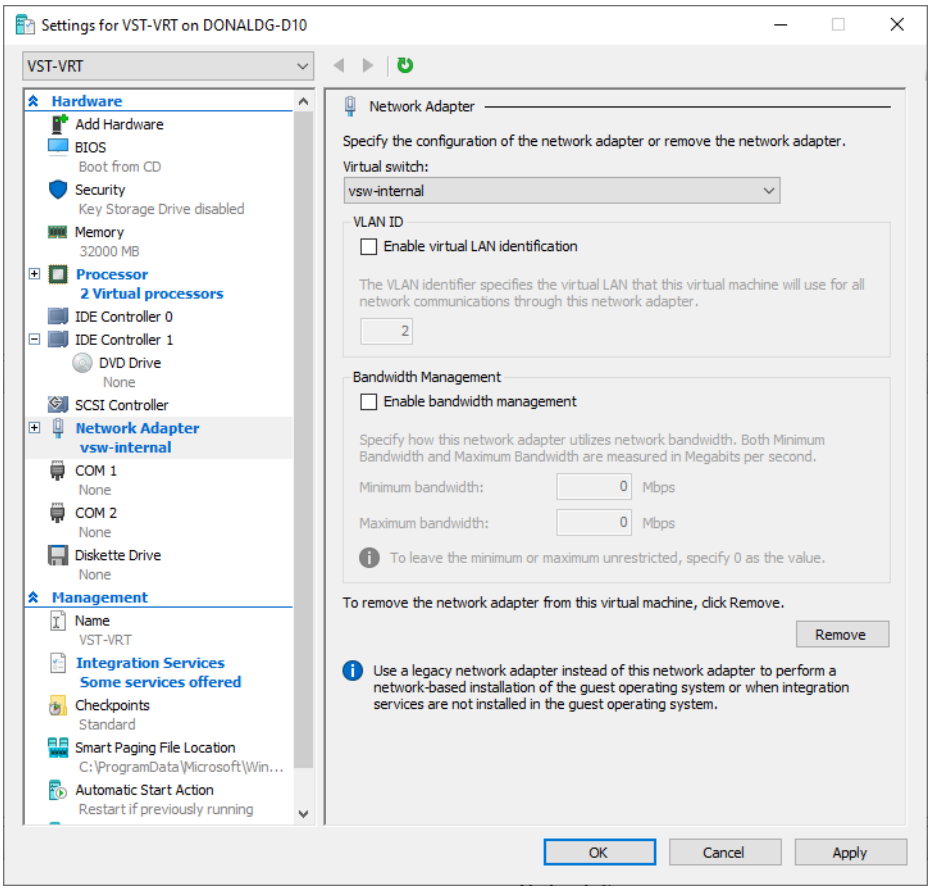
4. Select **Hardware > Processors** in the left pane. Enter the number of virtual CPUs to be allocated in **Number of virtual processors**, and click **Apply**.



5. Select **Network Adapter** in the left pane to display the **Network Adapter** screen.

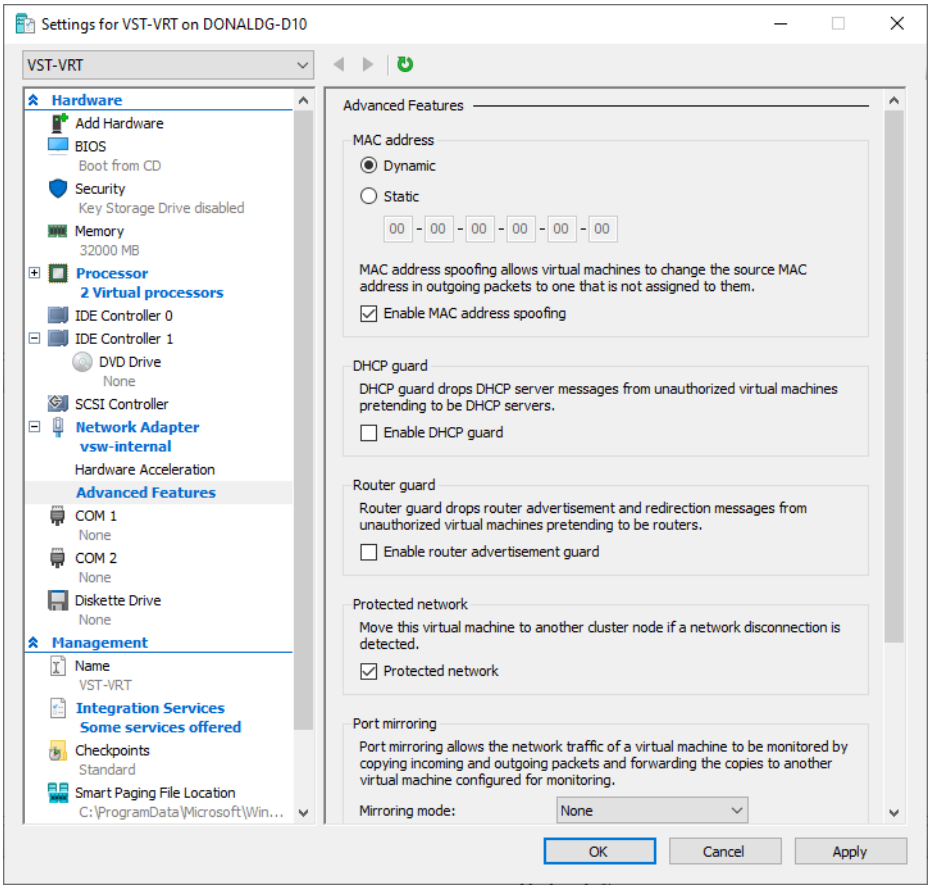


At first, **Virtual switch** is set to **Not connected**. Select the virtual switch name you created in the virtual switch settings from the drop-down list and click **Apply**.




6. Select **Network Adapter** then **Advanced Features** in the left pane to display the **Advanced Features** screen. Check the **Enable MAC address spoofing** checkbox and click **Apply**.

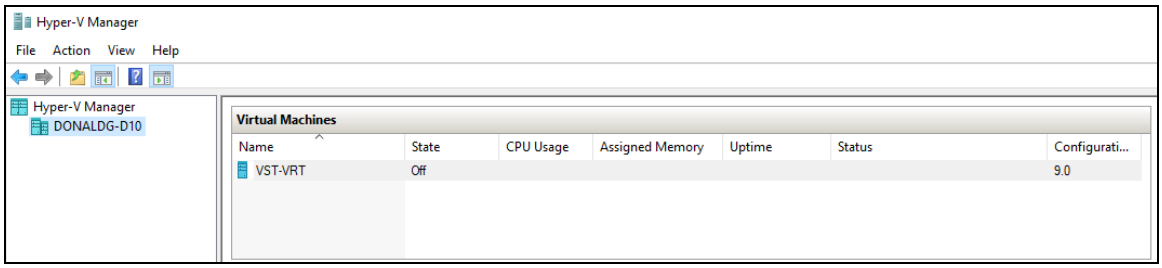
   This setting ensures that packets from applications with MAC addresses different from the virtual machine's own are not discarded by Hyper-V.



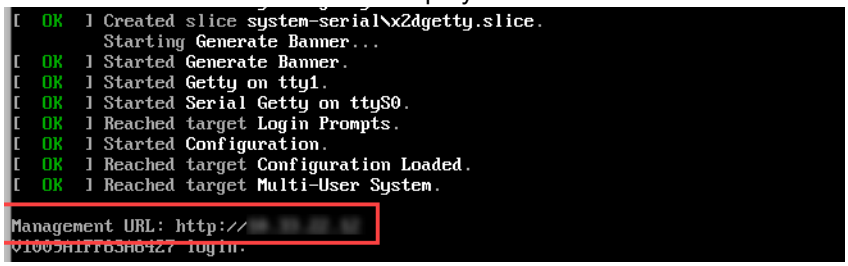

The virtual switch configuration is complete.

# Starting VST-VRT

1. In the **Hyper-V Manager**, locate the VST-VRT virtual machine in the **Virtual Machines** pane.



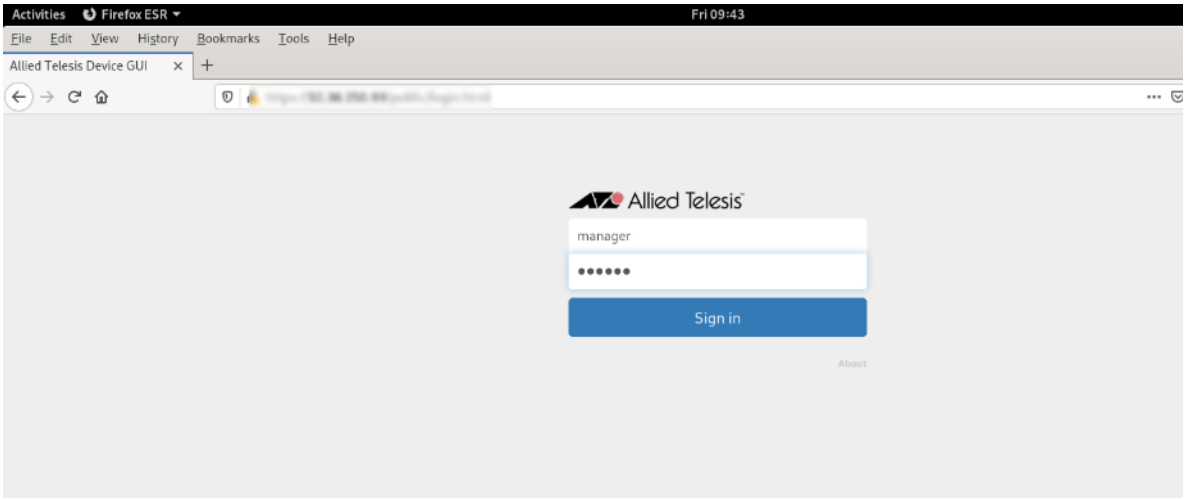

2. **Right-click the virtual machine** and select **Start** from the context menu.
3. Once the virtual machine starts, **right-click it again** and select **Connect** to open the console window.
4. Follow the on-screen instructions to proceed with the VST-VRT installation or operation. The IP address to connect to the VST-VRT will be displayed once it has been installed.



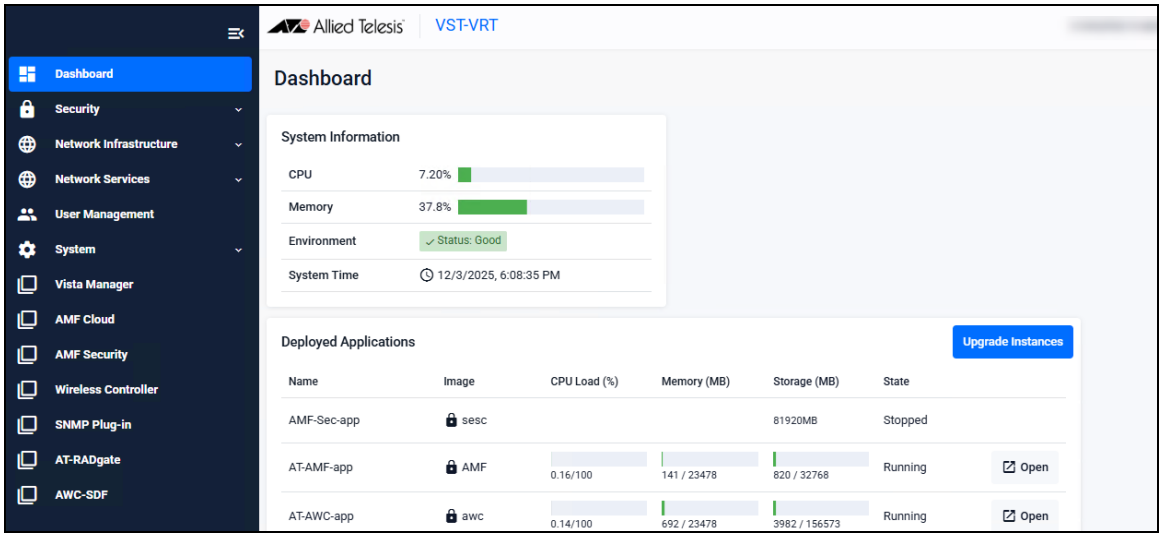

# Logging in to VST-VRT

To log into the VST-VRT GUI after initializing it, you need to use its IP address.

1. Open a web browser and enter the IP address from the last step of the previous section.




2. Log in with the default username/password of manager/friend.
3. Immediately change the default password from the **User Management** page for security.
4. Now you can configure the application containers from each tab.




## Configuring Application containers storage

Before you can start VST-VRT applications, you need to allocate storage space to them. The maximum amount each application may receive depends on the hardware specifications.

We recommend entering the storage values in this table to configure the applications.

Table 4: Recommended storage size (MB)

| APPLICATION | RECOMMENDED STORAGE (MB) |
|---|---|
| Vista Manager (Vista Manager EX) | 204800 |
| AMF Cloud | 32768 |
| AMF Security | 81920 |
| Wireless Controller (AWC) | 204800 |
| Trap Receiver (SNMP) | 40960 |
| SNMP (Full SNMP) | 102400 |
| RADgate | 65 536 |

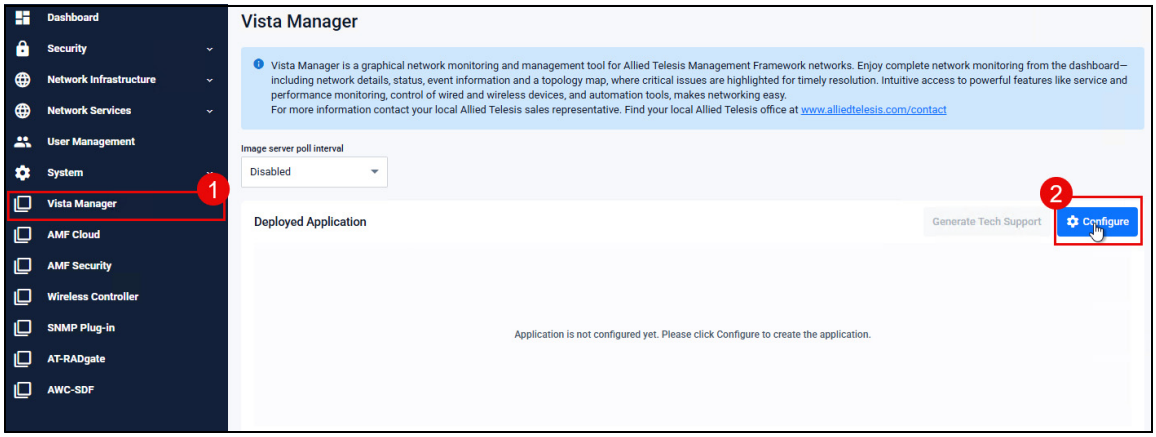
# Starting Applications

Each application is provided ready to use, once the storage size is configured. To activate the application, follow these steps.

Note: Do not start multiple application instances at once, as this may incorrectly assign IP addresses.

## Starting Vista Manager

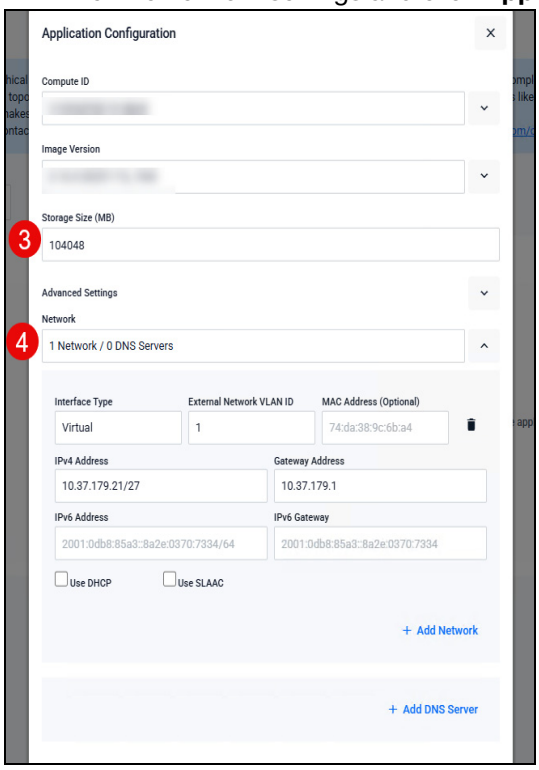
1. Click the button for Vista Manager from the **side menu**.



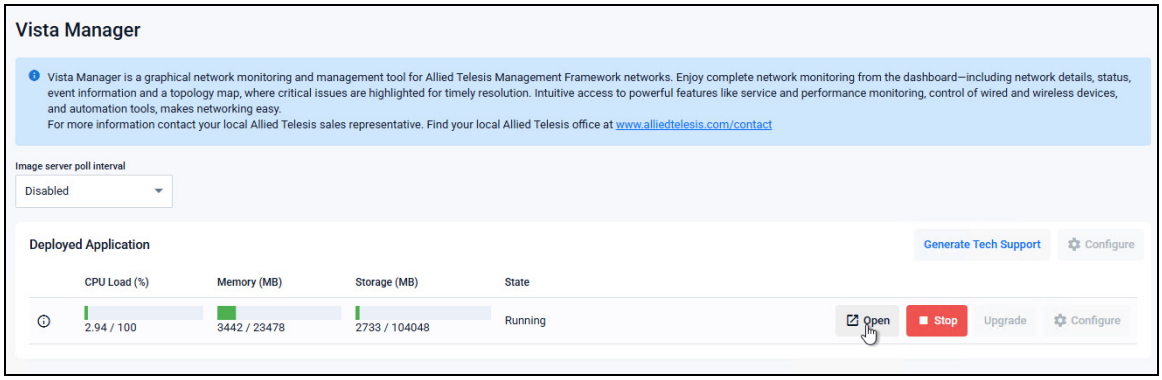

2. Click on the **Configure** button to the right of the application instance.
   The **Application Configuration** dialog box opens.

3. Enter the **storage size.** We recommend entering the storage values in the prior table to configure the applications.

4. Enter the network settings and click **Apply**.

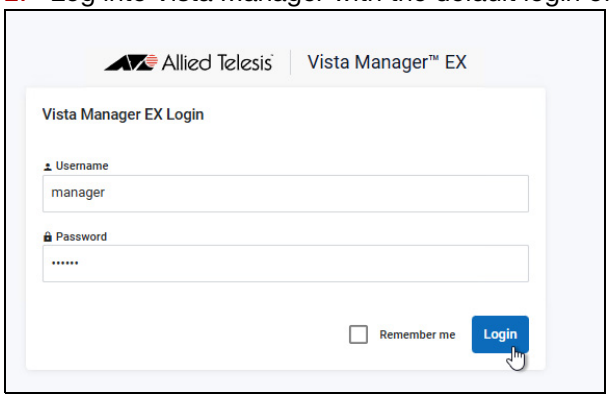


5. The application will begin to automatically run its installation process.
6. When the application has finished installing, you will see an **Open** button next to the instance.

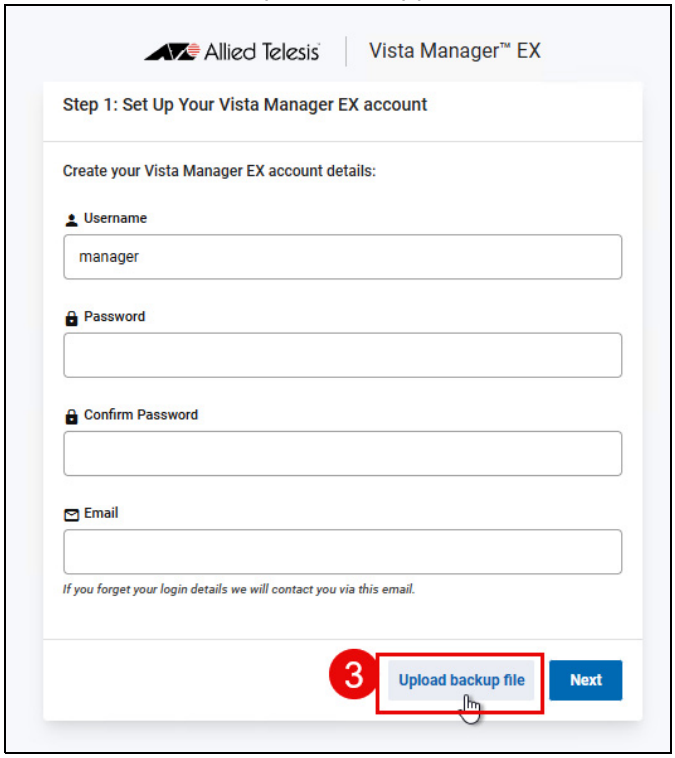


# Uploading the Vista Manager backup

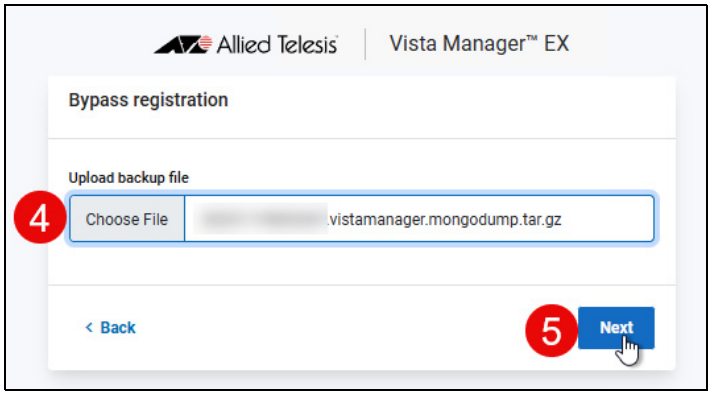
1. Click the **Open** button to go to the Vista Manager login screen.
2. Log into Vista Manager with the default login of **manager** and **friend**.



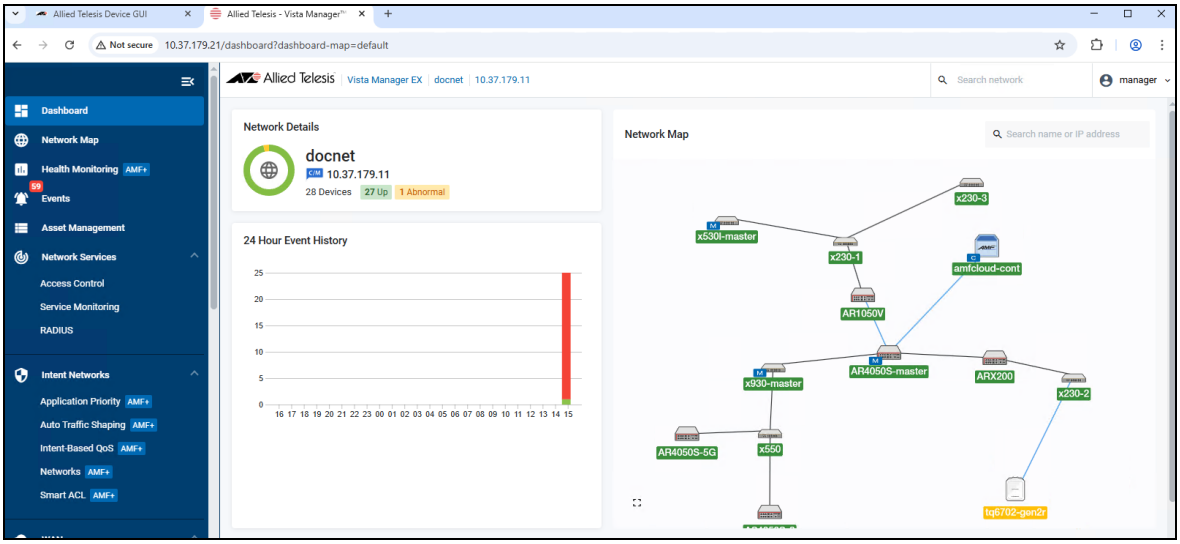

3. The Account Setup window appears. Click **Upload backup file**.




4. The backup file picker will open. Select the file from your USB storage device or local PC.
5. Click Next. Vista Manager will process the backup file.



6. Once the backup has been processed, you will see the Vista Manager Dashboard.



# Creating and starting the AWC plugin

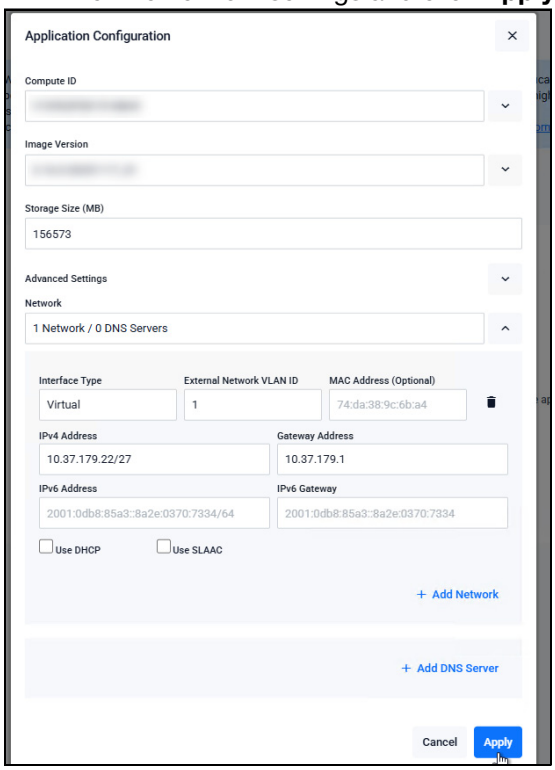
Replicate the procedure for the AWC Plugin (Wireless Controller).

1. Click the button for the Wireless Controller (AWC) from the **side menu**.


2. Click on the **Configure** button to the right of the application instance.
   The **Application Configuration** dialog box opens.

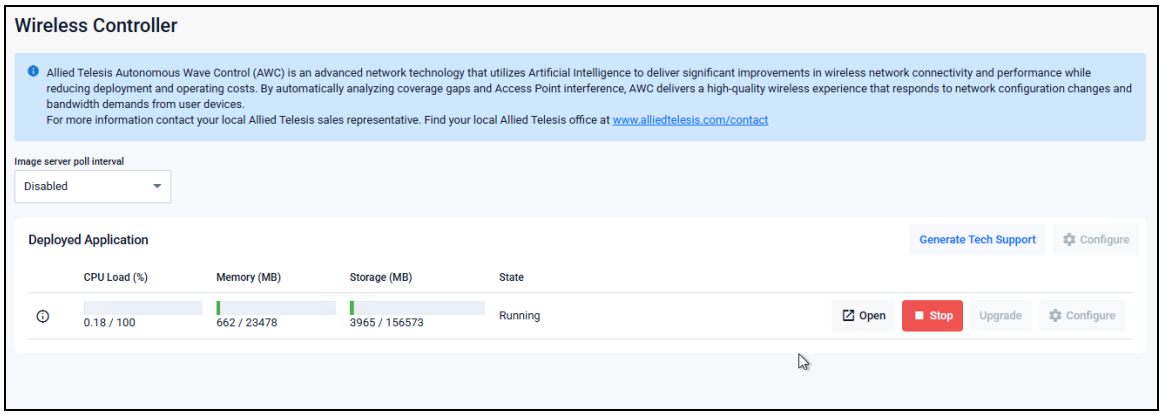
3. Enter the **storage size.** We recommend entering the storage values in the prior table to configure the applications.

4. Enter the network settings and click **Apply**.



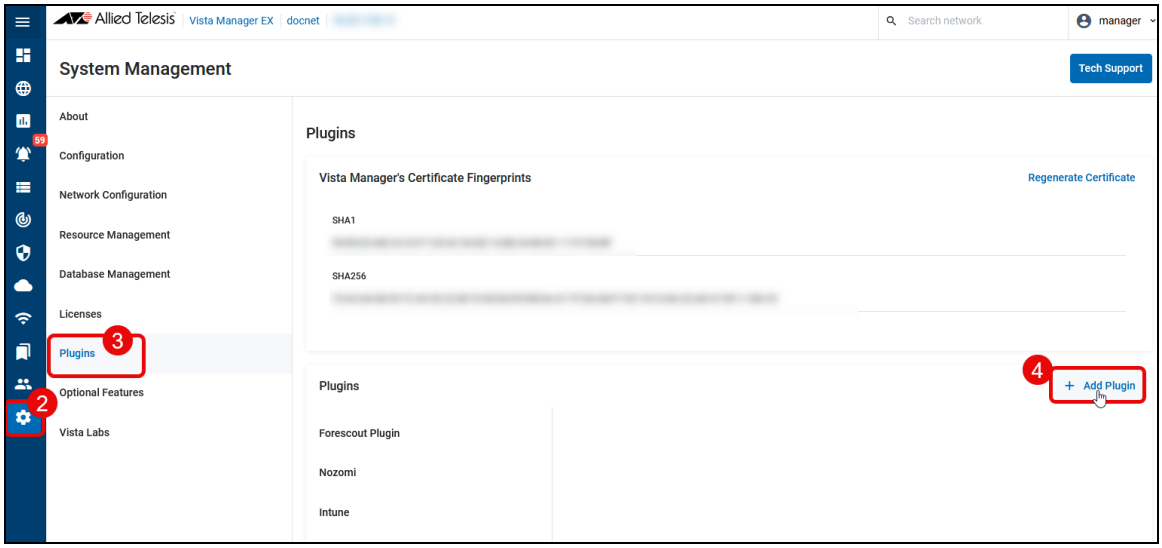

5. The application will begin to automatically run its installation process.

6. When the application has finished installing, you will see an **Open** button next to the instance.



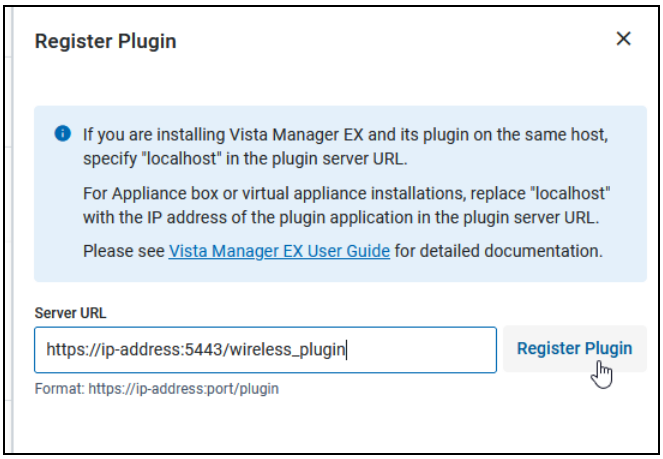

## Adding the AWC Plugin to Vista Manager

1. Open Vista Manager from the Vista Manager tab (or by browsing to its IP Address).
2. Scroll down to **System Management** from the side menu.
3. Click on the **Plugins** tab. Click **+ Add Plugin** on the Plugins table




4. The Register Plugin side menu will appear.

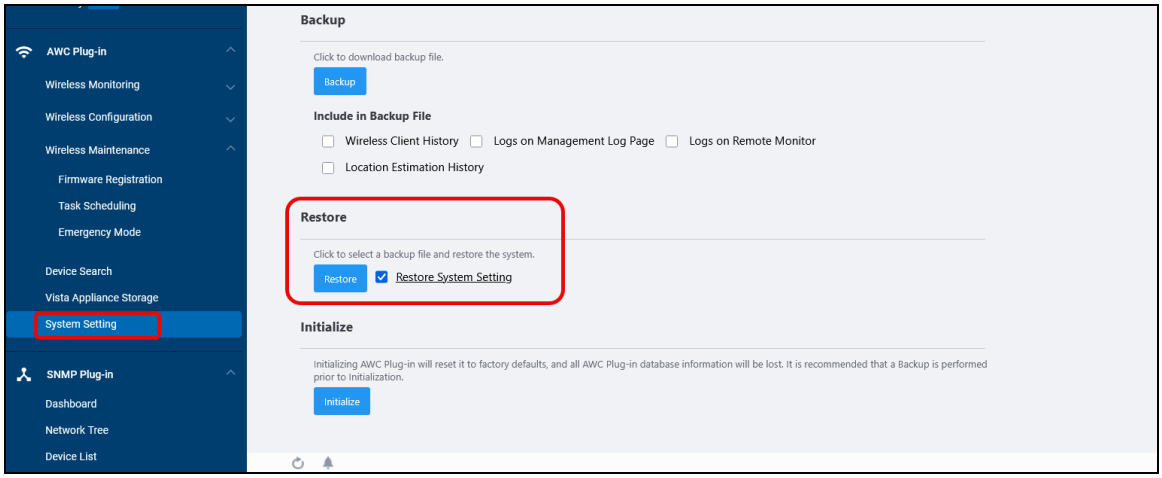
Enter the plugin server url by replacing **ip-address** with the IP assigned in the previous Wireless Controller section of the VST-VRT GUI at https://**ip-address**:5443/wireless_plugin



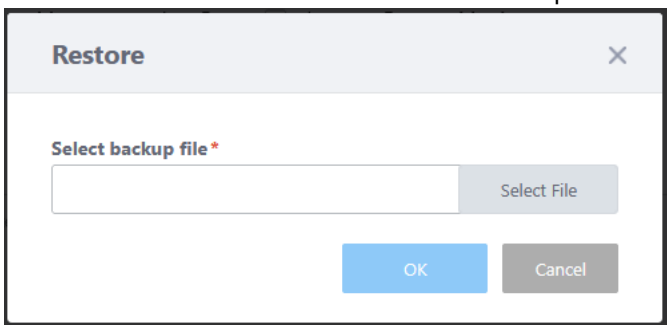

5. Click **Register Plugin**.
6. The fingerprints for the application will appear. Click **Confirm fingerprints**.
7. A green notification will appear in the bottom right corner of Vista Manager and the plugin is added.

## Restoring the AWC Plugin backup

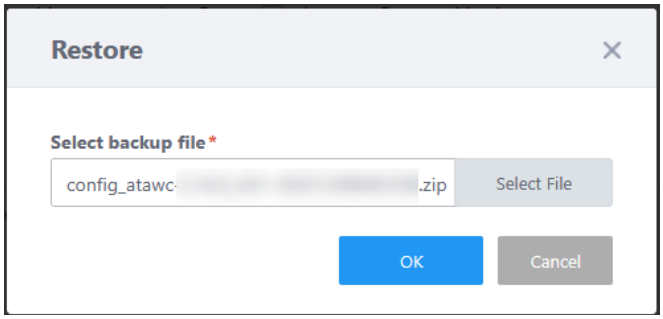
1. To restore the backup, scroll down to the AWC Plugin section of the menu in Vista Manager.
2. From the AWC Plugin section, click **System Setting**.
3. From the System Setting page, scroll down to System Maintenance.




4. Click the **Restore** button. The Restore file picker will display.




5. Click Select File and select the backup zip file from your file explorer.
6. Click **OK**.

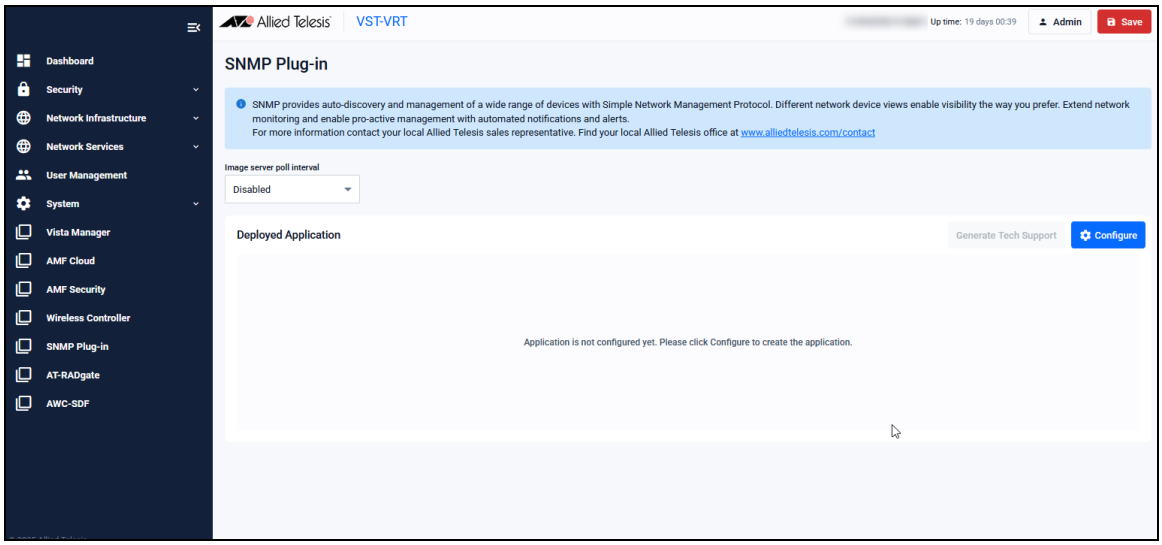



7. Click **OK** on the restore system confirmation dialog.
8. The AWC Plugin will load for a moment to restore the backup.
9. The backup is restored.

# Creating and starting the SNMP plugin

Replicate the procedure for the SNMP plugin.

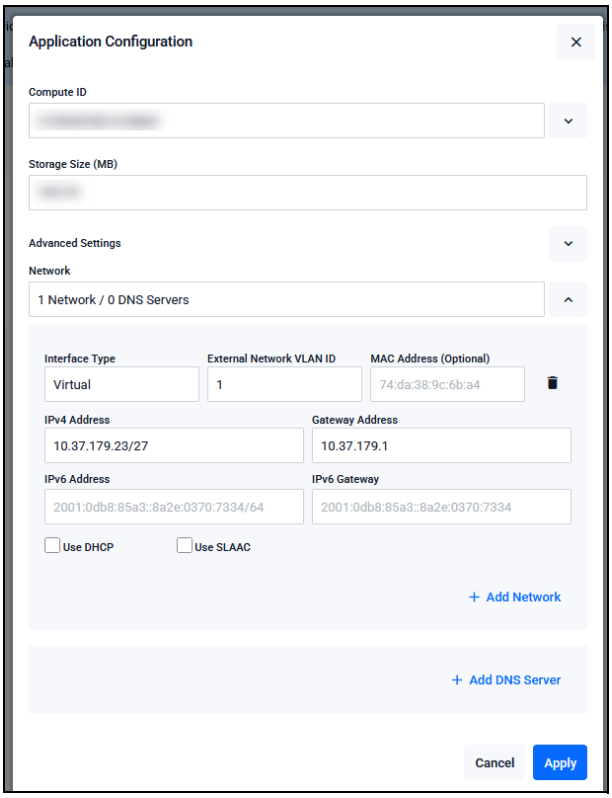
1. Click the button for the SNMP Plug-in from the **side menu**.



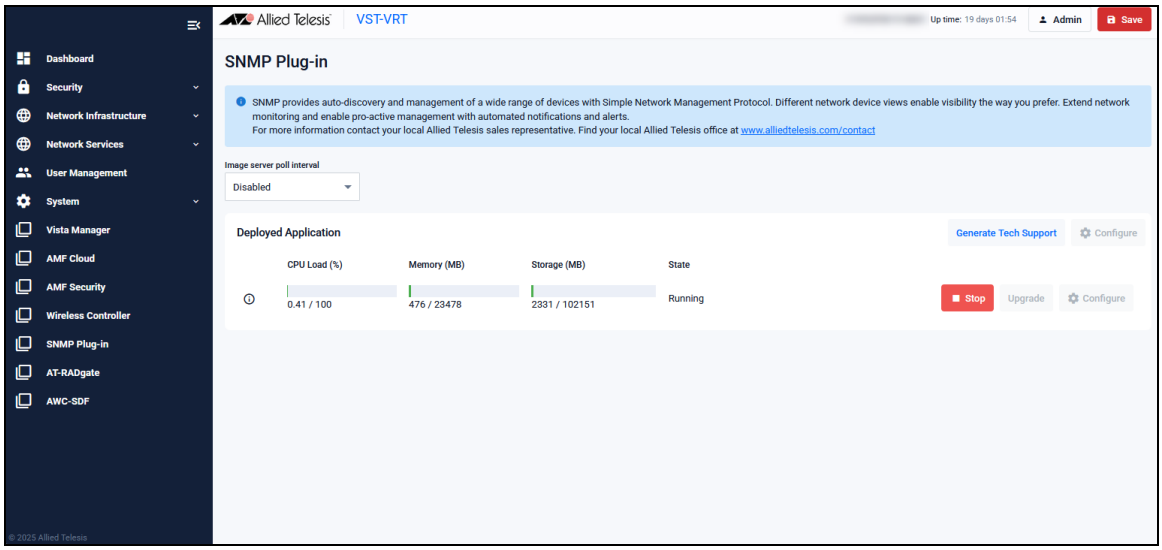

2. Click on the **Configure** button to the right of the application instance.
   The **Application Configuration** dialog box opens.

3. Enter the **storage size.** We recommend entering the storage values in the prior table to configure the applications.

4. Enter the network settings and click **Apply**.



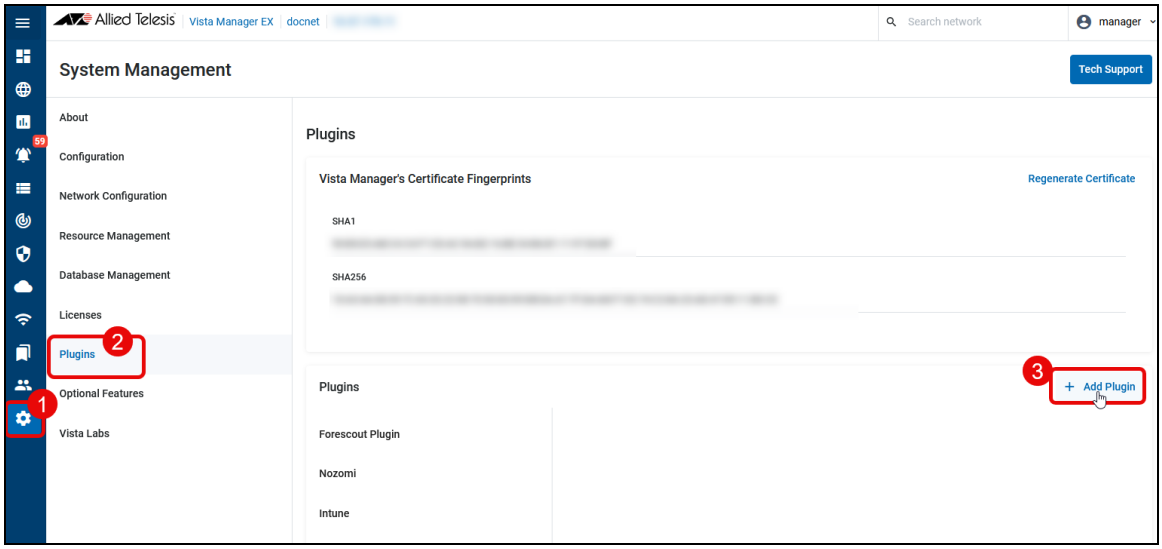
5. The application will begin to automatically run its installation process.




After it has started the installation, we can move to Vista Manager to set up the plugin. Note there is no open button for the SNMP Plugin.

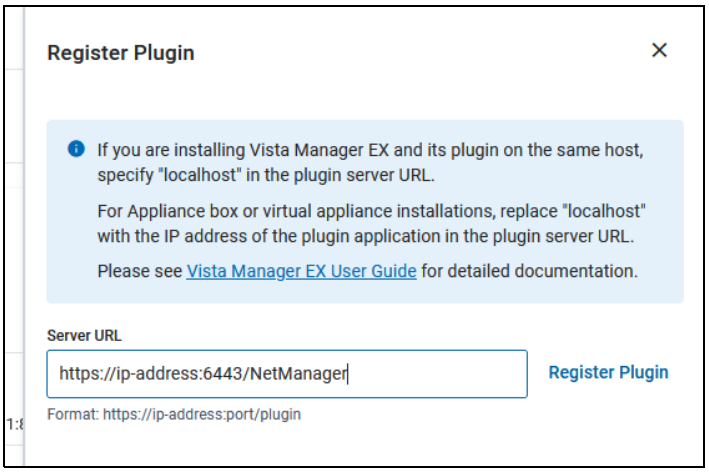
## Adding the SNMP Plugin to Vista Manager

1. Scroll down to **System Management** from the side menu.
2. Click on the **Plugins** tab. Click **+ Add Plugin** on the Plugins table




3. The Register Plugin side menu will appear.

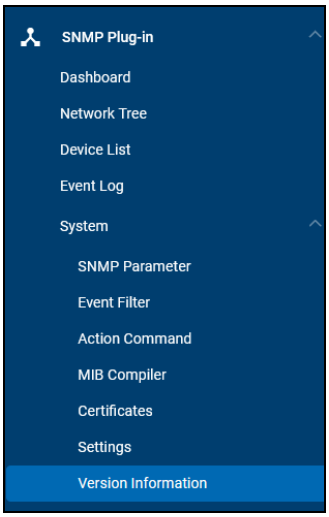
Enter the plugin server url by replacing **ip-address** with the IP assigned in the previous SNMP Plug-in section of the VST-VRT GUI at https://**ip-address**:6443/NetManager



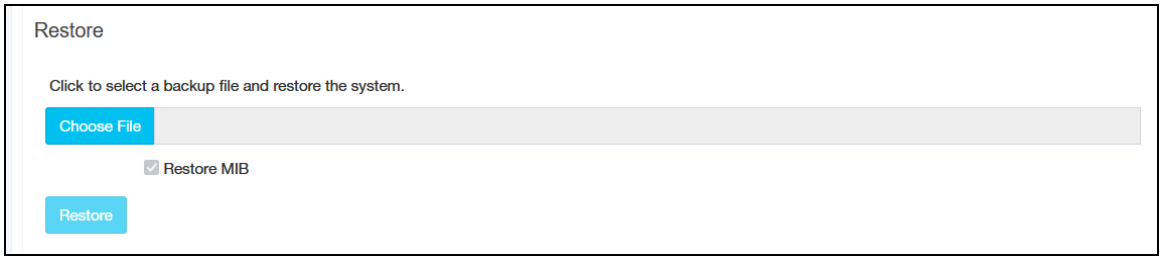

4. Click **Register Plugin**.
5. The fingerprints for the application will appear. Click **Confirm fingerprints**.
6. A green notification will appear in the bottom right corner of Vista Manager and the plugin is added.

## Restoring the SNMP Plugin backup

1. To restore the backup, scroll down to the SNMP Plug-in section of the menu in Vista Manager.
2. From the SNMP Plug-in section, click **Version Information**.




3. From the Version Information page, scroll down to Restore
4. Click Choose File and select the backup zip file from your file explorer.




5. Click the **Restore** button.

   Optionally deselect the Restore MIB checkbox if you would not like to restore the MIB.
6. The SNMP Plugin will load for a moment to restore the backup.
7. The backup is restored.



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