



Vertiv™ Avocent® MP1000VA Management Platform Virtual Appliance

Installation/Deployment Guide

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Technical Support Site

If you encounter any installation or operational issues with your product, check the pertinent section of this manual to see if the issue can be resolved by following outlined procedures.

Visit <https://www.vertiv.com/en-us/support/> for additional assistance.

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1 Getting Started

After reviewing the Vertiv™ Avocent® MP1000VA Management Platform Virtual Appliance Getting Started Guide, complete the procedures in this document to gain access to the management platform virtual appliance web User Interface (UI), where target devices are launched and managed.

This guide describes the virtualization platforms supported by the management platform virtual appliance and provides installation, deployment, and network configuration instructions.

1.1 Virtualization Platforms

The Vertiv Avocent MP1000VA Management Platform Virtual Appliance can be deployed on supported virtualization platforms that provide either:

- A hypervisor, which runs virtual appliances, or
- A management server, which centrally manages multiple hypervisors and virtual appliances

1.1.1 Supported Platforms

The Vertiv Avocent MP1000VA Management Platform Virtual Appliance can be deployed on the following:

Hypervisors

- Microsoft Hyper-V Hypervisor 2019
- VMware vSphere Hypervisor (ESXi) 7.0, 8.0

Management servers

- Microsoft Windows Server 2022, 2025 (Hyper-V environments)
- VMware vCenter Server 7.0, 8.0

NOTE: VMware vSphere (ESXi and vCenter Server) 8.0 is supported for Vertiv Avocent MP1000VA Management Platform Virtual Appliances running firmware version 3.58.3 or later.

1.1.2 Understanding VMware Platform Components

VMware environments may include multiple components that serve different roles:

- VMware vSphere Hypervisor (ESXi): The host that runs virtual appliances
- VMware vCenter Server: A central management platform for multiple ESXi hosts

VMware ESXi and vCenter Server are both components of the VMware vSphere platform.

Choosing a Deployment Method

Use the following guidance to determine the appropriate deployment procedure:

- Deploy using VMware vSphere Hypervisor (ESXi) if:
 - You are deploying to a single host.
 - You are not using the VMware vCenter Server for centralized management.
- Deploy using VMware vCenter Server if:

- Your environment includes multiple ESXi hosts.

Deployment steps differ depending on your environment. Refer to the appropriate section in this guide.

1.1.3 Platform Installation

Before continuing, ensure you have installed one of these virtualization platforms to deploy the management platform virtual appliance. If you have not, please see the installation instructions for the appropriate platform on the corresponding website:

- VMware: [Server Management Software - vCenter | VMware](#)
- Hyper-V: [Install the Hyper-V role on Windows Server | Microsoft Learn](#)

2 Distribution of the Virtual Appliance

The method of distribution for the Vertiv Avocent MP1000VA Management Platform Virtual Appliance differs by deployment type. Refer to the following table.

Table 2.1 Virtual Appliance Distribution

Deployment Type	Distribution Method
Hyper-V	Open Virtual Appliance (OVA) disk image
VMware	Virtual Hard Disk v2 (VHDX) disk image

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3 Installing the Virtual Appliance

To install the management platform virtual appliance:

1. Go to www.vertiv.com.
2. Navigate to the Vertiv™ Avocent® MP1000VA Management Platform Virtual Appliance product page.
3. Scroll down and click the *Documents & Downloads* tab.
4. Under the Software heading, click *Vertiv™ Avocent® MP1000 Software Downloads*.
5. For Hyper-V, download the latest version of the VHDX file from the Software Download column.

NOTE: The VHDX disk image must be unzipped after downloading. Ensure you have adequate space available to support the uncompressed file (more than 20 GB). For more information, see [Prerequisites](#) on page 7.

-or-

For VMware, download the latest version of the OVA file from the Software Download column.

NOTE: Ensure you review the accompanying [Release Notes](#) for any updates or troubleshooting procedures regarding the software.

6. The Vertiv Avocent MP1000VA Management Platform Virtual Appliance is now installed and ready for deployment. Proceed to the next section for deployment instructions.

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4 Deploying the Virtual Appliance

To begin the deployment process, review the hardware requirements, then navigate to the appropriate section for your chosen virtualization platform for further instructions.

4.1 Hardware Requirements

Before continuing, ensure the following hardware resources have been provisioned:



CAUTION: Avoid oversubscribing the host server's resources. When possible, use resources preserved for the management platform virtual appliance.

- Suitable processors, such as:
 - Intel Xeon Scalable Generation 1+ 6-Core+,
 - Intel Xeon Processor E5-1650 v4, 6C/12T @ 3.6GHz (4.0GHz),
 - Intel Xeon Silver 4309Y, 8C/8T @ 2.8GHz (3.6GHz),
 - AMD EPYC 72F3 [8C/16T @ 3.7GHz (4.1GHz)],
 - Or processors of equivalent or higher quality
- 4x vCPU
- 32 GB memory
- 1 TB storage

4.2 Microsoft Hyper-V Hypervisor 2019

4.2.1 Prerequisites

Prior to deployment, the VHDX disk image must be unzipped.

To prepare the VHDX disk image for deployment:

1. After downloading the VHDX disk image, move the .zip file to the Hyper-V server and use Windows Explorer to extract the VHDX file from the .zip file.
2. Move the extracted VHDX file to the location where the new Virtual Machine (VM) disk image will reside (the deployment location) and proceed to the next section of this guide for deployment instructions.

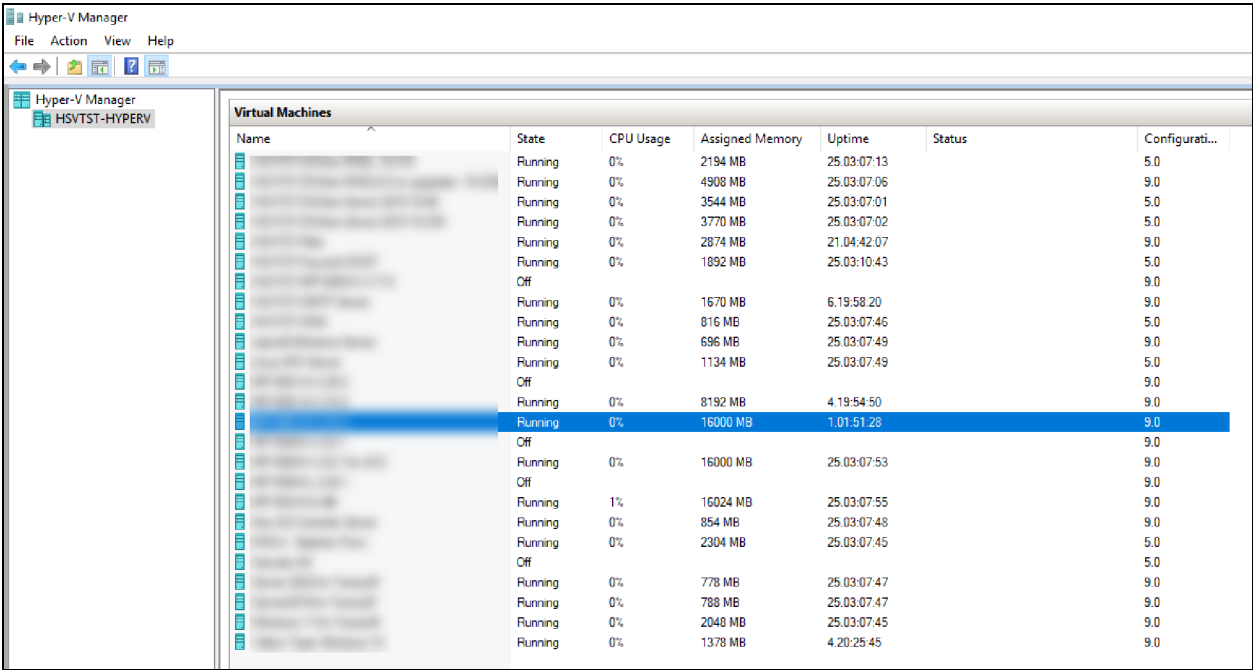
4.2.2 Deployment

To deploy the management platform virtual appliance:

1. Using an account with administrator or Hyper-V management privileges, log into a remote desktop on the Windows 2019 server where Hyper-V is installed.
2. Open the *Hyper-V Manager* application.

- 3. Under the Hyper-V Manager node in the left-hand sidebar, right-click on the connected hypervisor (HSVSTST-HYPERV in the following example) and select *New-Virtual Machine*.

Figure 4.1 Hyper-V Manager Screen



- When the New Virtual Machine Wizard opens, select *Specify Name and Location*, then enter the name and storage location for the VM.

Figure 4.2 Specify Name and Location Screen

The screenshot shows the 'New Virtual Machine Wizard' window with the 'Specify Name and Location' step selected in the left-hand navigation pane. The main area contains instructions and input fields for naming and locating the virtual machine.

New Virtual Machine Wizard

Specify Name and Location

Before You Begin

- Specify Name and Location
- Specify Generation
- Assign Memory
- Configure Networking
- Connect Virtual Hard Disk
- Installation Options
- Summary

Choose a name and location for this virtual machine.

The name is displayed in Hyper-V Manager. We recommend that you use a name that helps you easily identify this virtual machine, such as the name of the guest operating system or workload.

Name:

You can create a folder or use an existing folder to store the virtual machine. If you don't select a folder, the virtual machine is stored in the default folder configured for this server.

☐ Store the virtual machine in a different location

Location:

 If you plan to take checkpoints of this virtual machine, select a location that has enough free space. Checkpoints include virtual machine data and may require a large amount of space.

< Previous **Next >** Finish Cancel

- Click *Next*.

6. In the Specify Generation section of the Wizard, click the Generation 2 radio button and click Next.

NOTE: The Generation 1 option is not supported.

Figure 4.3 Specify Generation Screen

The screenshot shows the 'Specify Generation' step of the 'New Virtual Machine Wizard'. The left sidebar lists the steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation' (highlighted), 'Assign Memory', 'Configure Networking', 'Connect Virtual Hard Disk', 'Installation Options', and 'Summary'. The main area is titled 'Specify Generation' and contains the instruction 'Choose the generation of this virtual machine.' There are two radio button options: 'Generation 1' and 'Generation 2'. 'Generation 2' is selected. Below the options, there is a warning icon and text: 'Once a virtual machine has been created, you cannot change its generation.' A link 'More about virtual machine generation support' is provided. At the bottom, there are four buttons: '< Previous', 'Next >' (highlighted), 'Finish', and 'Cancel'.

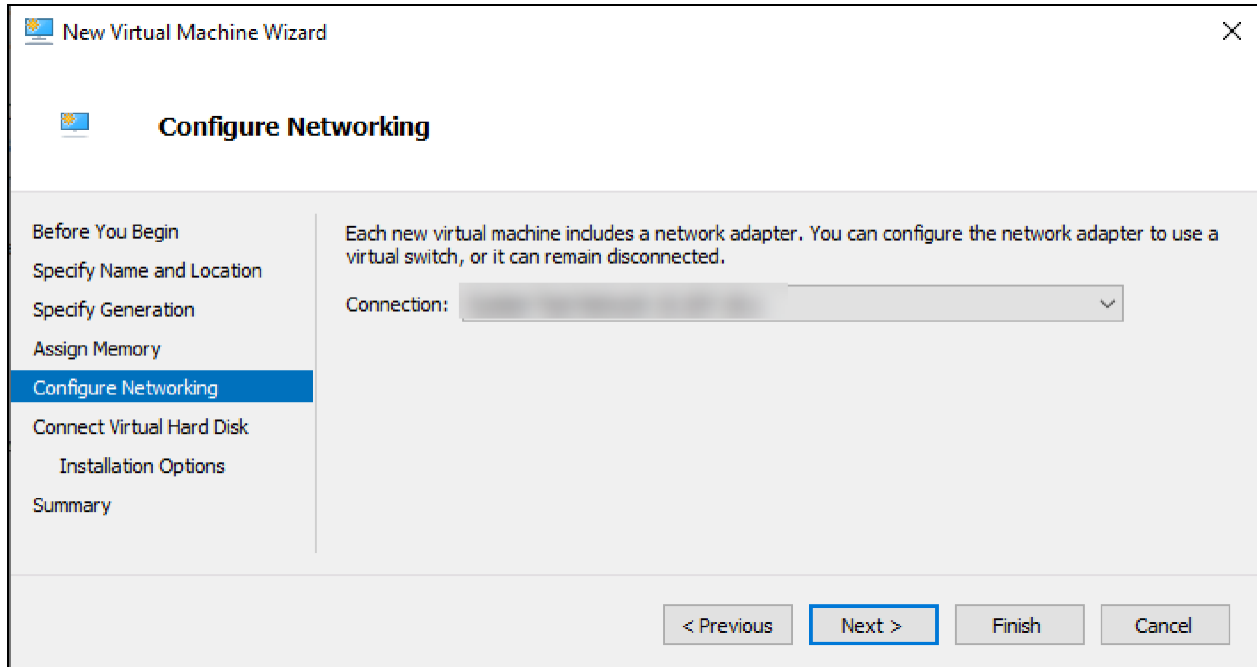
7. In the Assign Memory section of the Wizard, enter 32768 MB (or greater) in the Startup memory field.

Figure 4.4 Assign Memory Screen

The screenshot shows the 'Assign Memory' step of the 'New Virtual Machine Wizard'. The left sidebar lists the steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation', 'Assign Memory' (highlighted), 'Configure Networking', 'Connect Virtual Hard Disk', 'Installation Options', and 'Summary'. The main area is titled 'Assign Memory' and contains the instruction 'Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 12582912 MB. To improve performance, specify more than the minimum amount recommended for the operating system.' Below this, there is a text field for 'Startup memory:' with the value '32768' entered and 'MB' as the unit. There is an unchecked checkbox for 'Use Dynamic Memory for this virtual machine.' and an information icon with text: 'When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.' At the bottom, there are four buttons: '< Previous', 'Next >' (highlighted), 'Finish', and 'Cancel'.

8. Leave the Use Dynamic Memory for this virtual machine checkbox unchecked (disabled) and click *Next*.
9. In the Configure Networking section of the Wizard, use the Connection drop-down menu to select the Hyper-V network to which you wish to connect.

Figure 4.5 Configure Networking Screen



10. Click *Next*.

11. In the Connect Virtual Hard Disk section of the Wizard, click the radio button for the Use an existing virtual hard disk option and click *Browse*.

Figure 4.6 Connect Virtual Hard Disk Screen

New Virtual Machine Wizard

Connect Virtual Hard Disk

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Summary

A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.

☐ Create a virtual hard disk
Use this option to create a VHDX dynamically expanding virtual hard disk.

Name: Vertiv Avocent MP1000VA.vhdx
Location: D:\VMs\ Browse...
Size: 127 GB (Maximum: 64 TB)

☒ Use an existing virtual hard disk
Use this option to attach an existing VHDX virtual hard disk.

Location: MP1000VA 3.33.3\App-PROD-3.33.3.vhdx Browse...

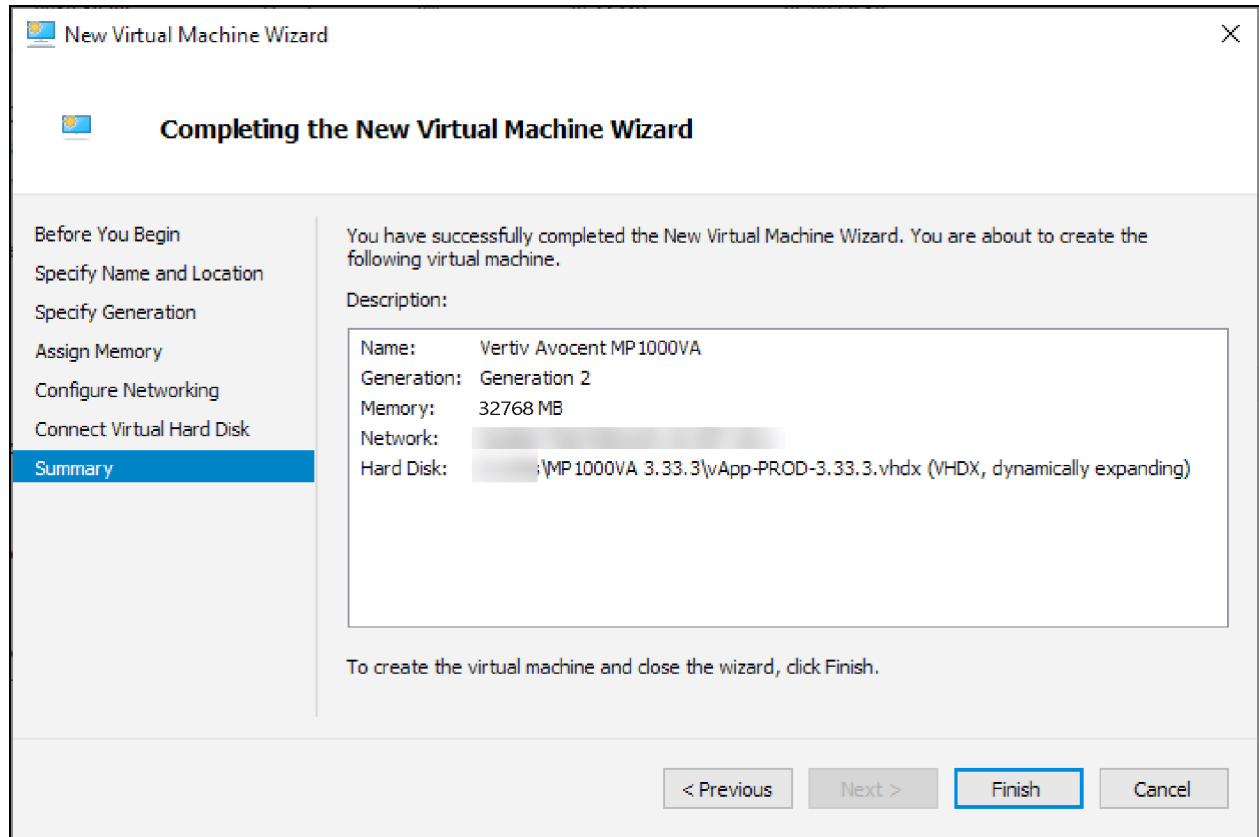
☐ Attach a virtual hard disk later
Use this option to skip this step now and attach an existing virtual hard disk later.

< Previous Next > Finish Cancel

12. Browse to and select the extracted VHDX disk image (the image/file you extracted in [Prerequisites](#) on page 7).
13. Click *Next*.

14. In the Summary section of the Wizard, review the Description box and click *Finish* to confirm the details and create the VM.

Figure 4.7 Summary Screen



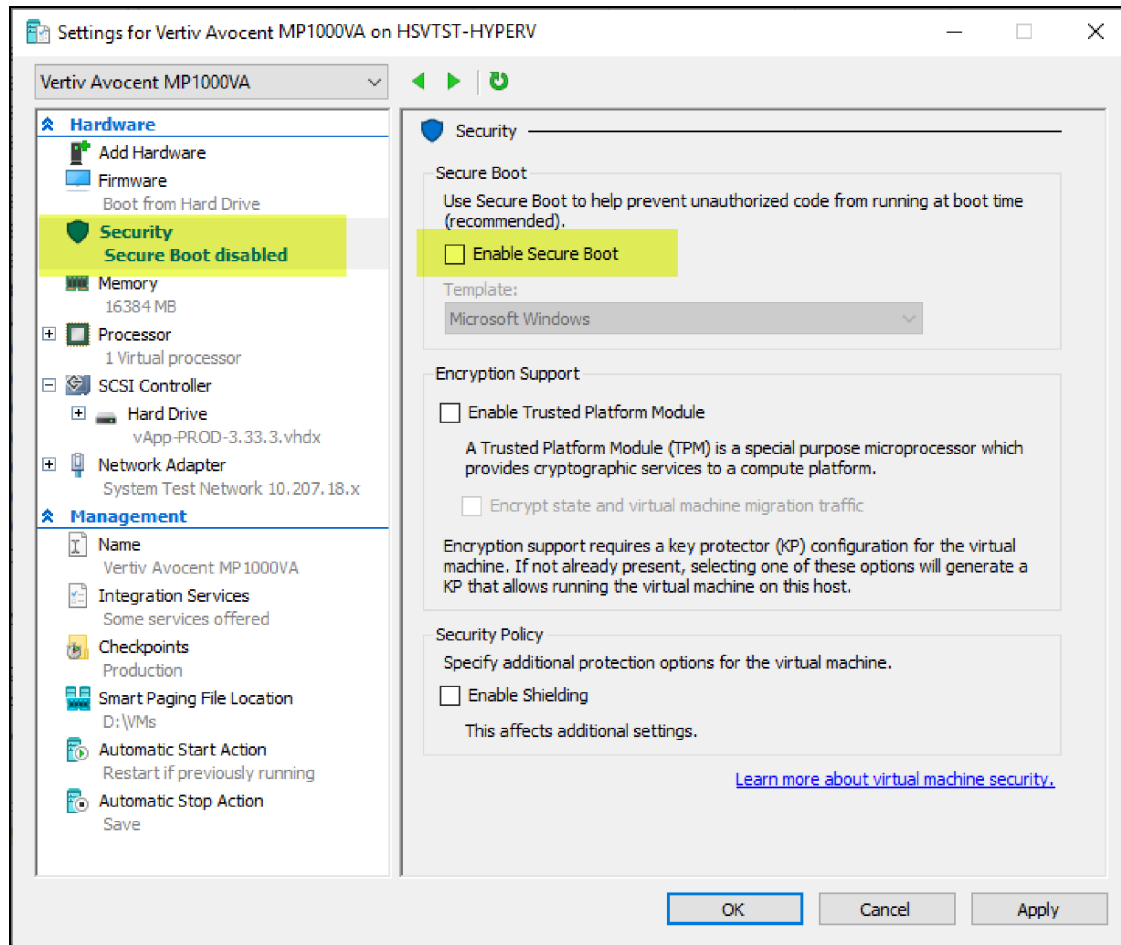
A progress bar appears to provide the status. When the VM creation process completes, the new VM appears in the Hyper-V Manager list.

15. In the Hyper-V Manager node in the left-hand sidebar, right-click on the new VM and select *Settings*.

16. In the Settings menu, select *Security* under the Hardware section.
17. By default, Secure Boot is enabled. Click the Enable Secure Boot checkbox to disable that option.

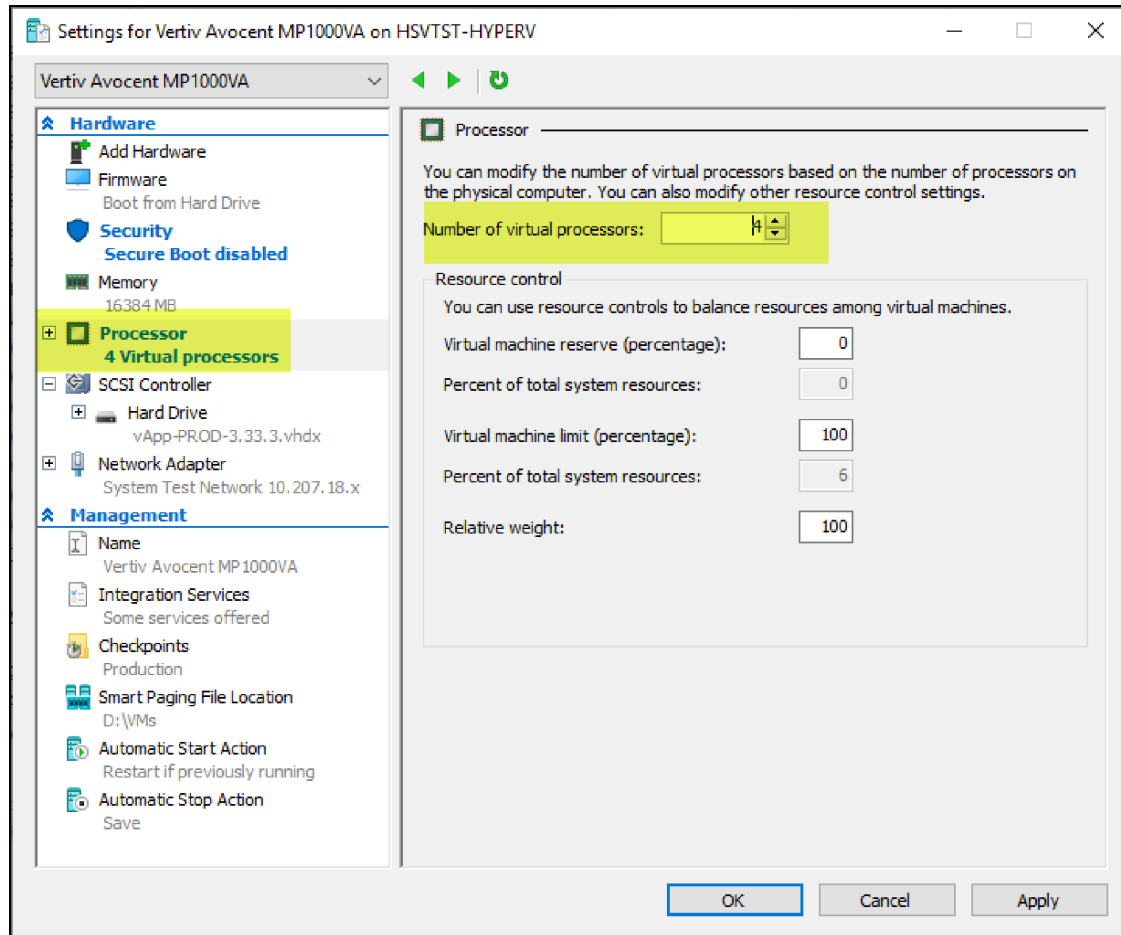
NOTE: Secure Boot must be disabled for the VA to boot on Hyper-V. Hyper-V uses Vertiv custom keys and does not support custom Secure Boot keys.

Figure 4.8 Security Screen



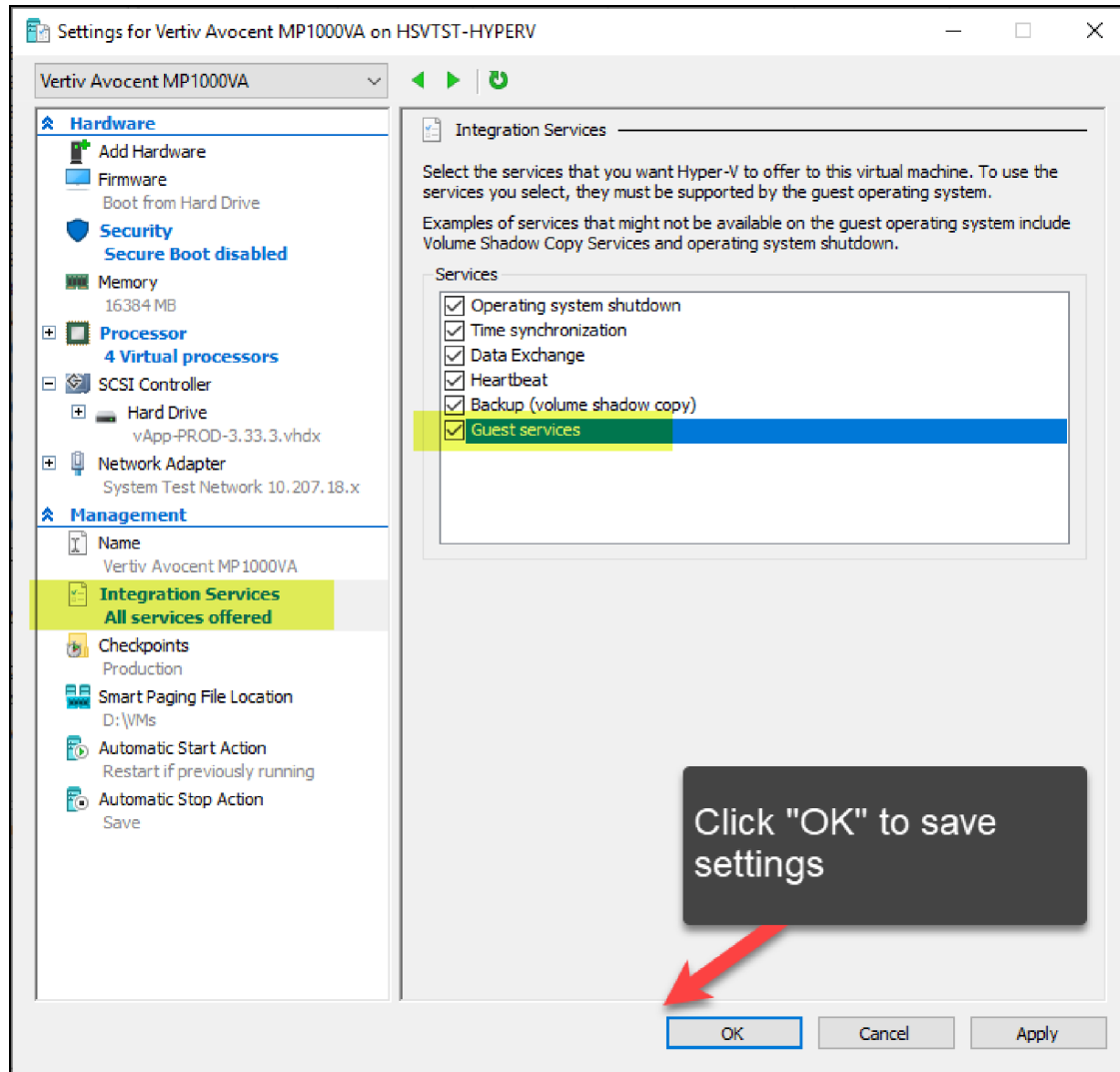
18. In the left-hand sidebar, select *Processor* and click the arrows in the Number of virtual processors field to increase the value to 4.

Figure 4.9 Processor Screen



19. Under the Management section in the left-hand sidebar, select *Integration Services*.
20. In the Services list, click the Guest services checkbox to select this option.

Figure 4.10 Integration Services Screen



21. Click OK to save all settings.
22. After the settings are saved, right-click the VM again and select *Start*. The management platform virtual appliance will start and its status will change to *Running*.

NOTE: If the VM fails to boot, verify that **Secure Boot** is disabled.

4.3 VMware vCenter Server

4.3.1 Prerequisites

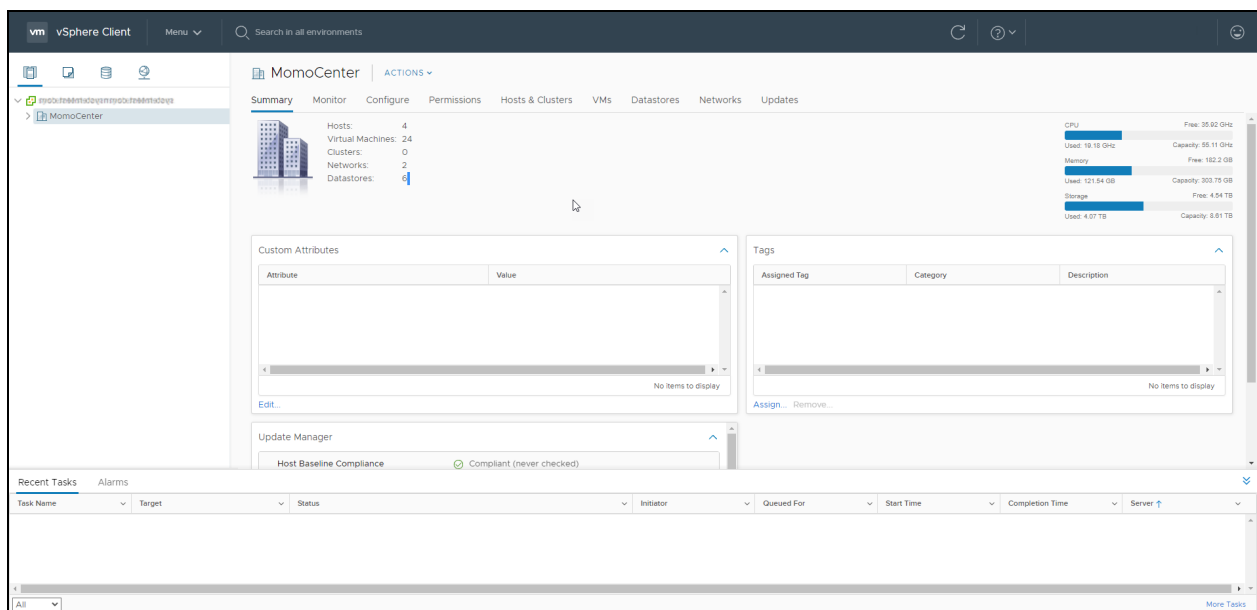
Administrator permissions are required to import, create, and/or configure a Virtual Machine (VM) and to deploy an Open Virtualization Format (OVF).

4.3.2 Deployment

To deploy the management platform virtual appliance:

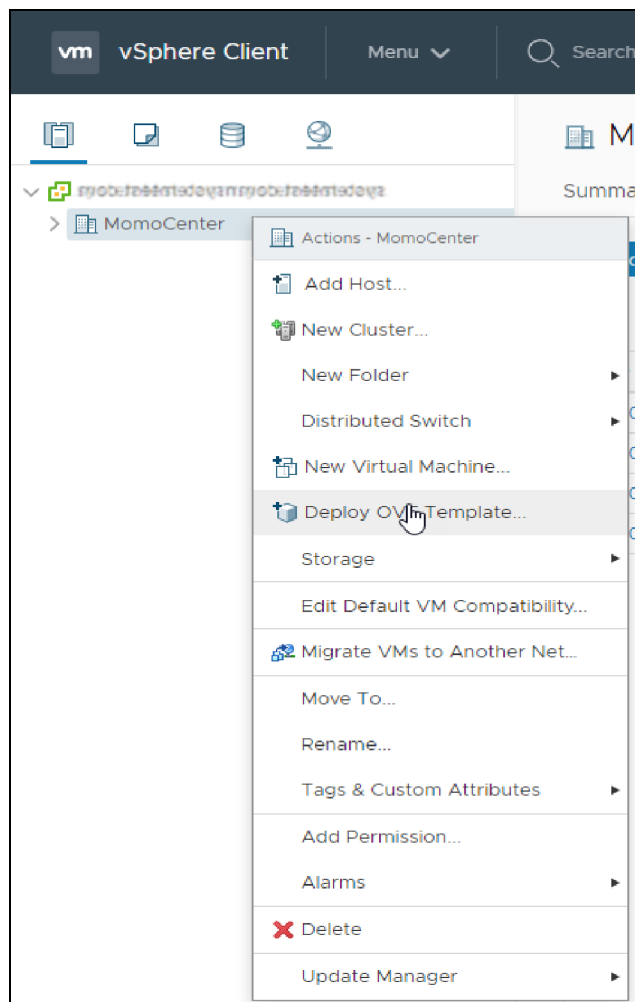
1. From the VMware vSphere web UI, log in with administrator permissions.

Figure 4.11 VMware vSphere Client Home Page



2. In the left-hand sidebar, right-click a data center and select *Deploy OVF Template*.

Figure 4.12 Deploy OVF Template



- From the Select an OVF template tab, click the URL radio button to enter a URL for a remote OVA/OVF repository.

-or-

Click the Local file radio button to browse to a local file on your computer.

Figure 4.13 Select an OVF Template Screen

Deploy OVF Template

1 Select an OVF template

Select an OVF template
Select an OVF template from remote URL or local file system

Enter a URL to download and install the OVF package from the Internet, or browse to a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.

☒ URL

http | https://remoteserver-address/filetoinstall.ovf | .ova

☐ Local file

Choose Files No file chosen

CANCEL BACK NEXT

- Click Next.
- From the Select a name and folder tab, enter a unique name for the VM.

Figure 4.14 Select a Name and Location Screen

Deploy OVF Template

2 Select a name and folder

Select a name and folder
Specify a unique name and target location

Virtual machine name: MP1000VA_vSphere_demo

Select a location for the virtual machine.

▼ MomoCenter

CANCEL BACK NEXT

- Select a location for the VM, then click Next.

7. From the Select a compute resource tab, select a compute resource the VM can support, then click *Next*.

Figure 4.15 Select a Compute Resource Screen

Deploy OVF Template

✓ 1 Select an OVF template

✓ 2 Select a name and folder

3 Select a compute resource

4 Review details

5 Select storage

6 Ready to complete

Select a compute resource

Select the destination compute resource for this operation

▼ MomoCenter

> 825836968258

> 825836968258

> 825836968258

> 825836968258

Compatibility

✓ Compatibility checks succeeded.

CANCEL

BACK

NEXT

8. From the Review details tab, verify the details in the provided table, then click *Next*.

Figure 4.16 Review Details Screen

Deploy OVF Template

✓ 1 Select an OVF template

✓ 2 Select a name and folder

✓ 3 Select a compute resource

4 Review details

5 Select storage

6 Select networks

7 Ready to complete

Review details

Verify the template details.

Publisher	No certificate present
Description	this is a base template used for creation of OVF for distribution of the MP1000VA Virtual Appliance.
Download size	1.5 GB
Size on disk	2.1 GB (thin provisioned) 40.0 GB (thick provisioned)
Extra configuration	nvrnm = ovf:/file/file2

CANCEL

BACK

NEXT

20

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4 Deploying the Virtual Appliance

9. From the Select storage tab, use the drop-down menus to select the virtual disk format and VM storage policy.

Figure 4.17 Select Storage Screen

Deploy OVF Template

✓ 1 Select an OVF template
✓ 2 Select a name and folder
✓ 3 Select a compute resource
✓ 4 Review details
5 Select storage
6 Select networks
7 Ready to complete

Select storage
Select the storage for the configuration and disk files

☐ Encrypt this virtual machine

Select virtual disk format: Thin Provision

VM Storage Policy: Datastore Default

Name	Capacity	Provisioned	Free	Type
virtual disk format	458.25 GB	414.53 GB	203.91 GB	VM
virtual disk format	465.5 GB	369.66 GB	95.84 GB	VM
virtual disk format	465.5 GB	424.68 GB	102.23 GB	VM

Compatibility

✓ Compatibility checks succeeded.

CANCEL BACK NEXT

10. Select a data store to store the VM's hard drive and configuration files, then click *Next*.

11. From the Select networks tab, use the table to map the VM network to the desired destination network.

NOTE: By default, the VM attempts to obtain an IP address via DHCP upon boot.

Figure 4.18 Select Networks Screen

Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 Select storage
- 6 Select networks**
- 7 Ready to complete

Select networks
Select a destination network for each source network.

Source Network	Destination Network
VM Network	VM Network

1 items

IP Allocation Settings

IP allocation: Static - Manual

IP protocol: IPv4

[CANCEL](#) [BACK](#) [NEXT](#)

12. Click *Next*.

13. From the Ready to complete tab, review the deployment details and click *Finish*.

Figure 4.19 Ready to Complete Screen

Deploy OVF Template

- ✓ 1 Select an OVF template
- ✓ 2 Select a name and folder
- ✓ 3 Select a compute resource
- ✓ 4 Review details
- ✓ 5 Select storage
- ✓ 6 Select networks
- 7 Ready to complete**

Ready to complete
Click Finish to start creation.

Provisioning type	Deploy OVF From Remote URL
Name	MP1000VA_vSphere_demo
Template name	6085b191802vAAV000P4M0XGA
Download size	1.5 GB
Size on disk	2.1 GB
Folder	MomoCenter
Resource	SS 12122 12
Storage mapping	1
All disks	Datastore: datastore1; Format: Thin provision
Network mapping	1
VM Network	VM Network
IP allocation settings	
IP protocol	IPV4
IP allocation	Static - Manual

[CANCEL](#) [BACK](#) [FINISH](#)

14. If you wish to monitor the deployment progress, expand the Recent Tasks panel at the bottom of the vSphere client.

Figure 4.20 Recent Tasks Panel

Recent Tasks							
Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Deploy OVF template	MP1000VA	0%	ENGINEERING.NET\pvd-e...	99 ms	08/01/2022, 10:47:30 AM		photon-machine.systemtes...
Import OVF package	AVOCENTMP1000VA	0%	engineering.net\Administr...	110 ms	08/01/2022, 10:47:14 AM		photon-machine.systemtes...

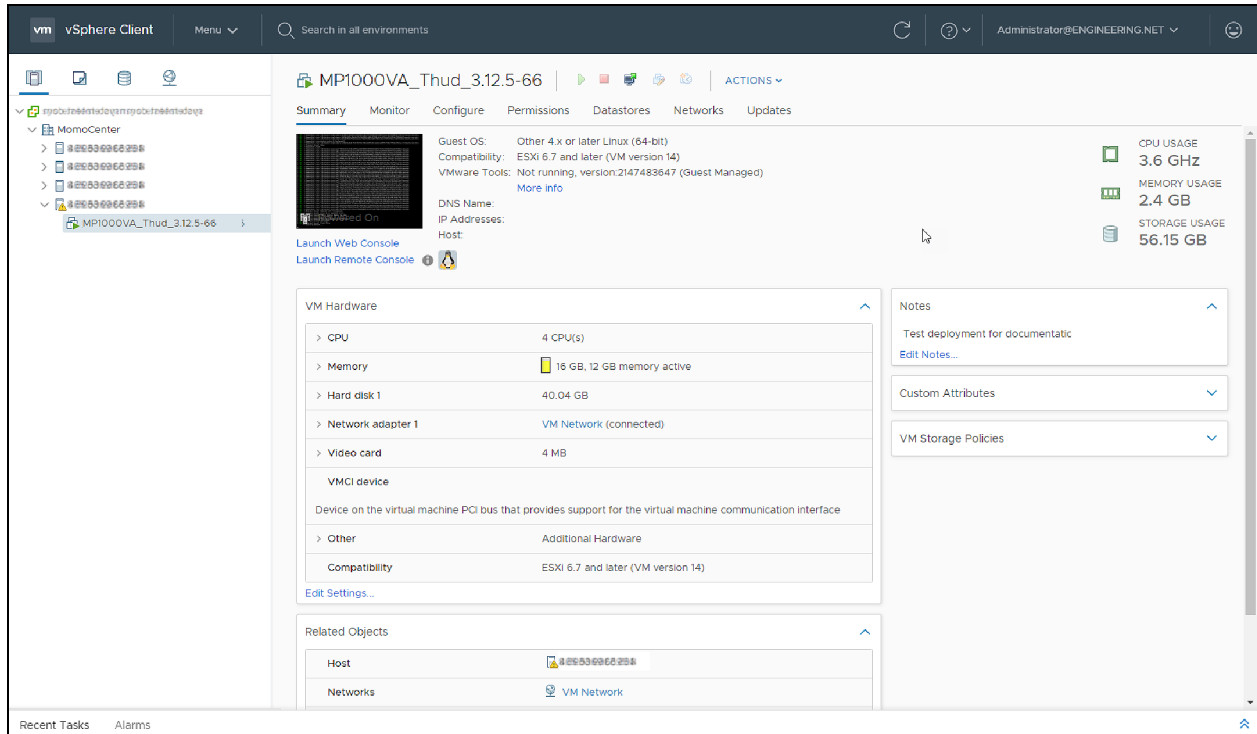
Figure 4.21 VM Summary with Import Completion Status

Virtual Machines							
Virtual machine	Status	Used space	Guest OS	Host name	Host CPU	Host memory	
DEV_CentOS_8	Normal	4.08 GB	CentOS 8 (64-bit)	localhost.localdomain	21 MHz	1.47 GB	
TEST_CentOS_8	Normal	4.08 GB	CentOS 8 (64-bit)	localhost.localdomain	29 MHz	4.05 GB	
API_CentOS_8	Normal	4.08 GB	CentOS 8 (64-bit)	localhost.localdomain	33 MHz	4.06 GB	
DSView_DEV_CentOS_8	Normal	4.08 GB	CentOS 8 (64-bit)	localhost.localdomain	19 MHz	937 MB	
DSView_Test_CentOS_8	Normal	4.08 GB	CentOS 8 (64-bit)	localhost.localdomain	22 MHz	934 MB	
DEV_Win2022_Server	Normal	4.08 GB	Microsoft Windows Server 2022 (64-bit)	Unknown	18 MHz	4.07 GB	
TEST_Win2022_Server	Normal	4.08 GB	Microsoft Windows Server 2022 (64-bit)	Unknown	20 MHz	4.06 GB	
API_Win2022_Server	Normal	4.08 GB	Microsoft Windows Server 2022 (64-bit)	Unknown	13 MHz	4.07 GB	
DSView_Test_Win2022_Server	Normal	4.08 GB	Microsoft Windows Server 2022 (64-bit)	Unknown	16 MHz	4.06 GB	
DSView_Test_Win2022_Server	Normal	4.08 GB	Microsoft Windows Server 2022 (64-bit)	Unknown	19 MHz	4.06 GB	
mp1000va	Normal	Unknown	Other Linux (64-bit)	Unknown	0 MHz	0 MB	

Recent tasks							
Task	Target	Initiator	Queued	Started	Result	Completed	
Power On VM	mp1000va	root	05/29/2022 05:59:37	05/29/2022 05:59:37	Completed successfully	05/29/2022 05:59:38	
Upload disk - vertiv-adv-mp1000va-disk1.vmdk (1 of 1)	mp1000va	root	05/29/2022 06:35:53	05/29/2022 06:35:53	Completed successfully	05/29/2022 11:00:32	
Import VApp	Resources	root	05/29/2022 04:34:51	05/29/2022 04:34:51	Completed successfully	05/29/2022 05:59:38	
Create VM	mp1000va	root	05/29/2022 04:34:51	05/29/2022 04:34:51	Completed successfully	05/29/2022 04:34:51	

15. Once deployment is complete, locate the new VM under your chosen compute resource in the left-hand sidebar.
16. Click the VM name.
17. The VM appears in the main panel. Click the *Power On* button to start the VM.

Figure 4.22 VM Details



NOTE: The Notes section can be edited via the dialog box that appears when you first connect to the CLI.

4.4 VMware vSphere Hypervisor (ESXi)

4.4.1 Prerequisites

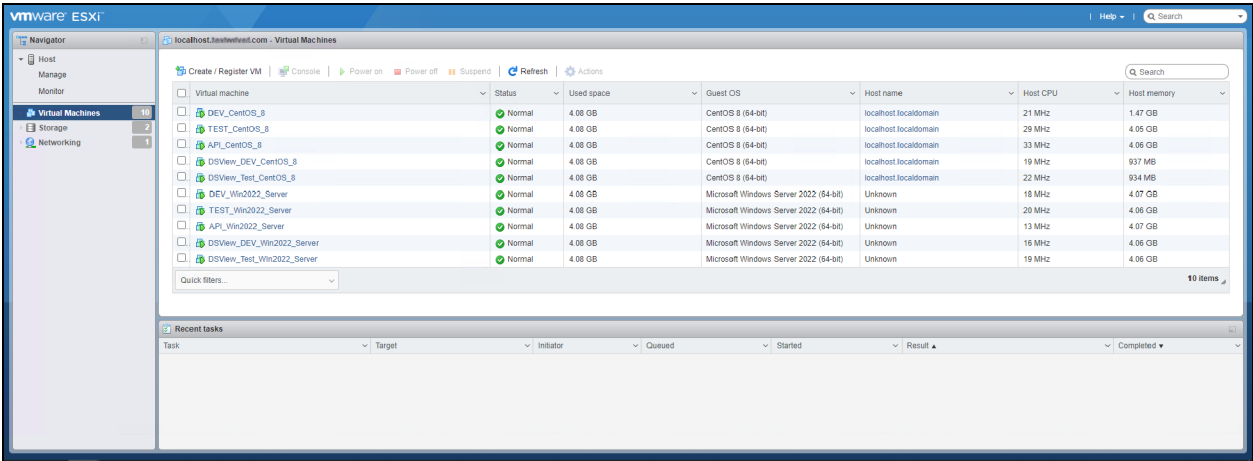
Administrator permissions are required to import, create, and/or configure a Virtual Machine (VM) and to deploy an Open Virtualization Format (OVF).

4.4.2 Deployment

To deploy the management platform virtual appliance:

1. From the VMware vSphere Hypervisor (ESXi) web UI, log in with administrator permissions.

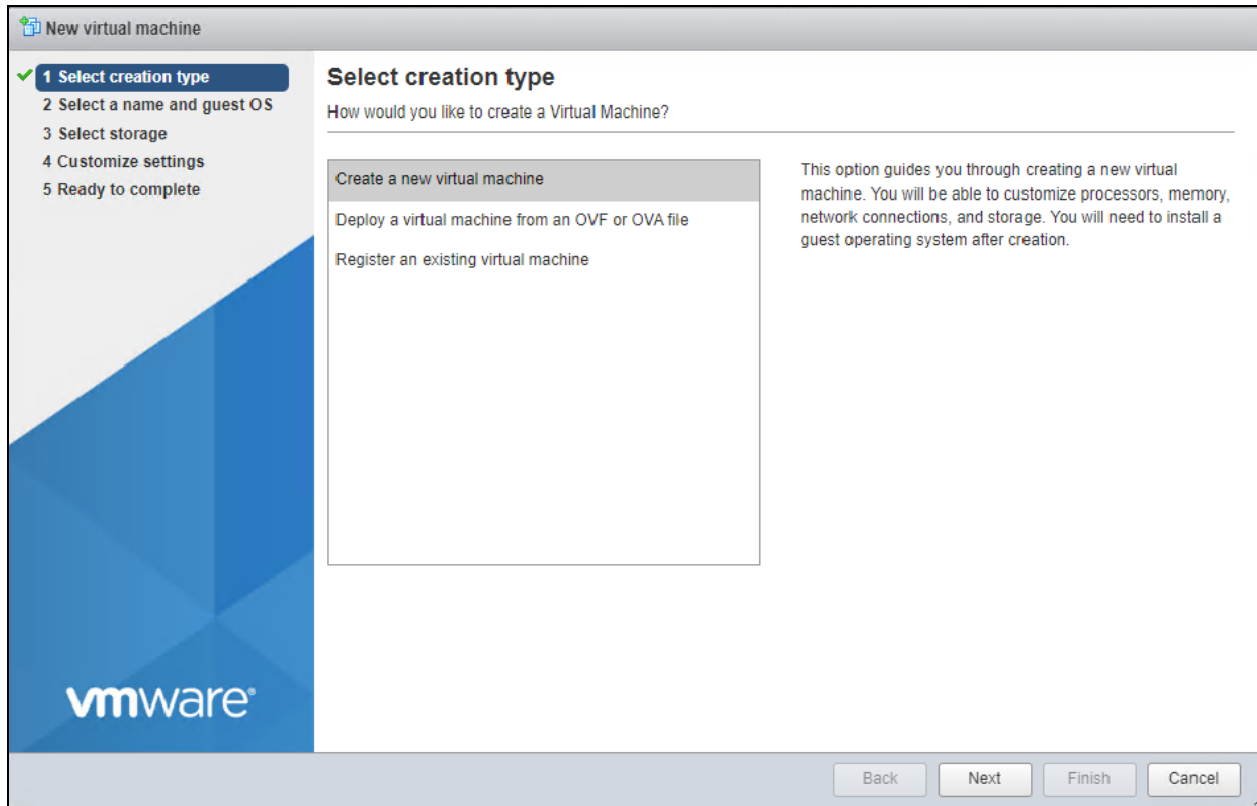
Figure 4.23 VMware vSphere Hypervisor (ESXi) Summary



2. Click the *Create / Register VM* button.

3. From the Select creation type tab, click *Deploy a virtual machine from an OVF or OVA file*.

Figure 4.24 Select Creation Type Screen



4. From the Select OVF and VMDK files tab, locate the management platform virtual appliance software you downloaded in [Installing the Virtual Appliance](#) on page 5.
5. Upload the software file to the ESXi host server.
6. If you do not wish to use the default name, enter a new name for the VM.
7. Click *Next*.

Figure 4.25 Select OVF and VMDK Files Screen

New virtual machine - mp1000va

✓ 1 Select creation type
2 Select OVF and VMDK files
3 Select storage
4 License agreements
5 Deployment options
6 Additional settings
7 Ready to complete

Select OVF and VMDK files
Select the OVF and VMDK files or OVA for the VM you would like to deploy

Enter a name for the virtual machine.
mp1000va

Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.

× vertiv-mp1000va.ova

vmware®

Back Next Finish Cancel

8. From the Select storage tab, select a data store for the VM's hard drive and configuration files, then click **Next**.

Figure 4.26 Select Storage Screen

New virtual machine - adx-mp1000va

- ✓ 1 Select creation type
- ✓ 2 Select OVF and VMDK files
- ✓ 3 Select storage
- ✓ 4 Deployment options
- 5 Ready to complete

Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its' virtual disks.

Name	Capacity	Free	Type	Thin pro...	Access
isos	1.42 TB	1.39 TB	VMFS6	Supported	Single
VMs	3.64 TB	3.57 TB	VMFS6	Supported	Single

2 items

Back Next Finish Cancel

- From the Deployment options tab, use the drop-down menu to select the VM network to map to the adapter.

NOTE: By default, the VM attempts to obtain an IP address via DHCP upon boot.

- Select either the Thin or Thick radio button for disk provisioning.
- Check the Power on automatically box, then click *Next*.

Figure 4.27 Deployment Options Screen

New virtual machine - adx-mp1000va

✓ 1 Select creation type
✓ 2 Select OVF and VMDK files
✓ 3 Select storage
✓ 4 Deployment options
5 Ready to complete

Deployment options

Select deployment options

Network mappings	VM Network	VM Network
Disk provisioning	☒ Thin ☐ Thick	
Power on automatically	☒	

Back Next Finish Cancel

12. From the Ready to complete tab, verify your deployment options, then click *Finish*. The deployment process begins immediately.



CAUTION: Do NOT refresh your browser while the VM is being deployed.

Figure 4.28 Ready to Complete Screen

Ready to complete
Review your settings selection before finishing the wizard

Product	Vertiv-MP1000VA
VM Name	mp1000va
Files	vertiv-mp1000va-disk1.vmdk
Datastore	VMs
Provisioning type	Thin
Network mappings	VM Network: VM Network
Guest OS Name	Unknown

Do not refresh your browser while this VM is being deployed.

Back Next Finish Cancel



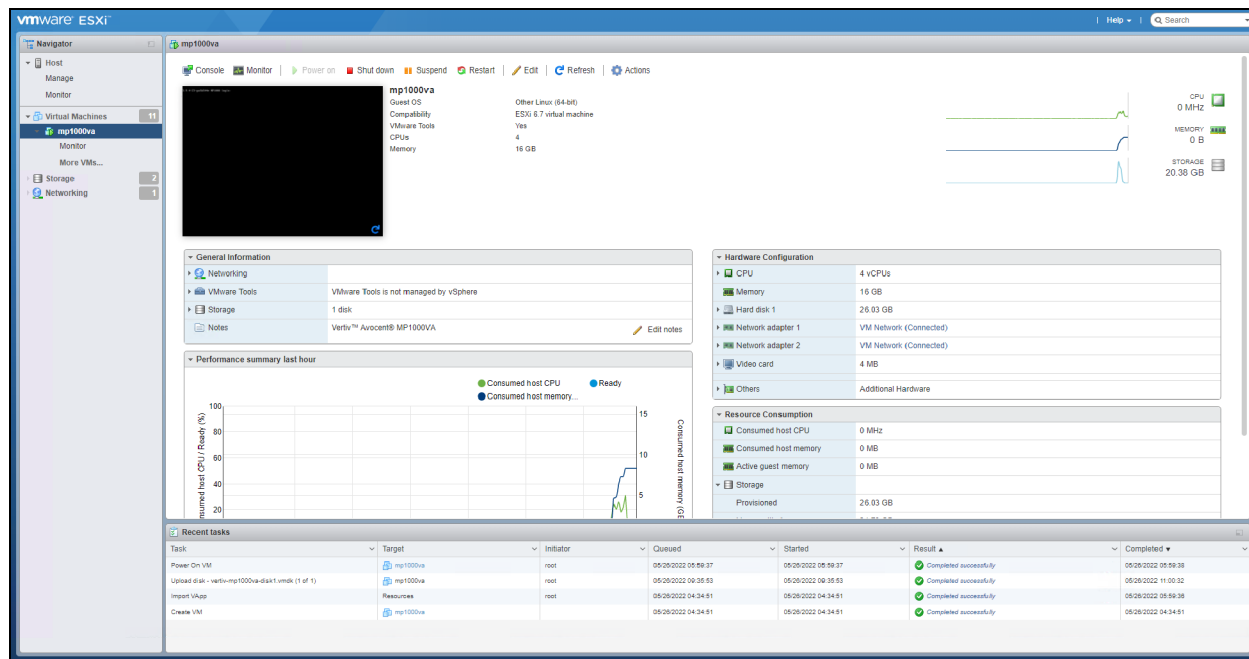
CAUTION: If you receive the error message *A required disk image was missing*, do NOT continue. For troubleshooting information, proceed to the next section.

13. If you wish to monitor the deployment progress, expand the Recent tasks panel at the bottom of the client.

Figure 4.29 Recent Tasks Panel

Task	Target	Initiator	Queued	Started	Result	Completed
Upload disk - vertiv-mp1000va-disk1.vmdk (1 of 1)	mp1000va	root	05/26/2022 09:35:53	05/26/2022 09:35:53	Completed successfully	05/26/2022 04:34:51
Create VM	mp1000va	root	05/26/2022 04:34:51	05/26/2022 04:34:51	Completed successfully	05/26/2022 04:34:51
Import VApp	Resources	root	05/26/2022 04:34:51	05/26/2022 04:34:51	Running... 80 %	05/26/2022 04:34:51

14. Once deployment is complete, locate the new VM in the left-hand sidebar.
15. Click the VM name.
16. The VM appears in the main panel. Click the *Power On* button to start the VM.

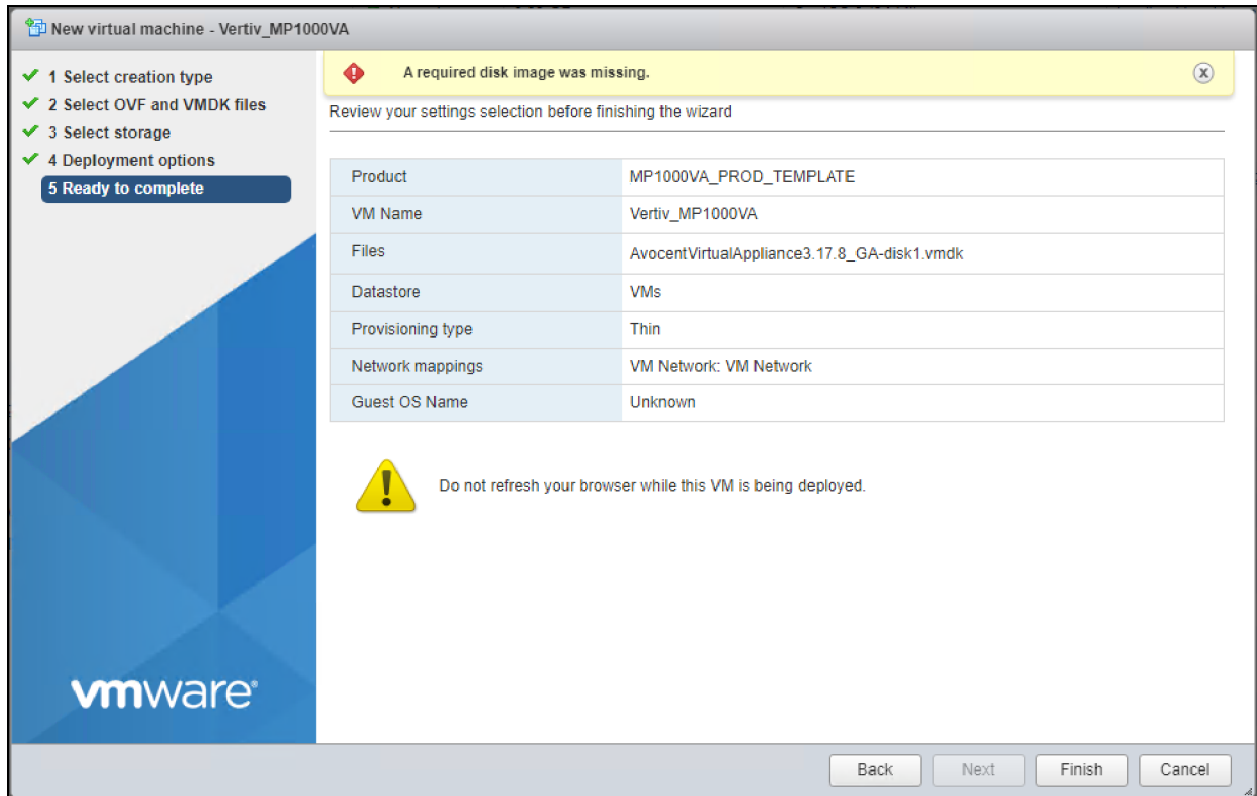
Figure 4.30 VM Details After Starting

4.4.3 Troubleshooting for missing NVRAM disk image

If you are importing an OVA image file into the VMware vSphere Hypervisor (ESXi), you may receive an error message indicating a required disk image is missing after clicking *Finish* on the Ready to complete screen.

NOTE: The following screenshot examples use OVA file version 3.17.8. The procedures are the same regardless of the version number.

Figure 4.31 Error Message



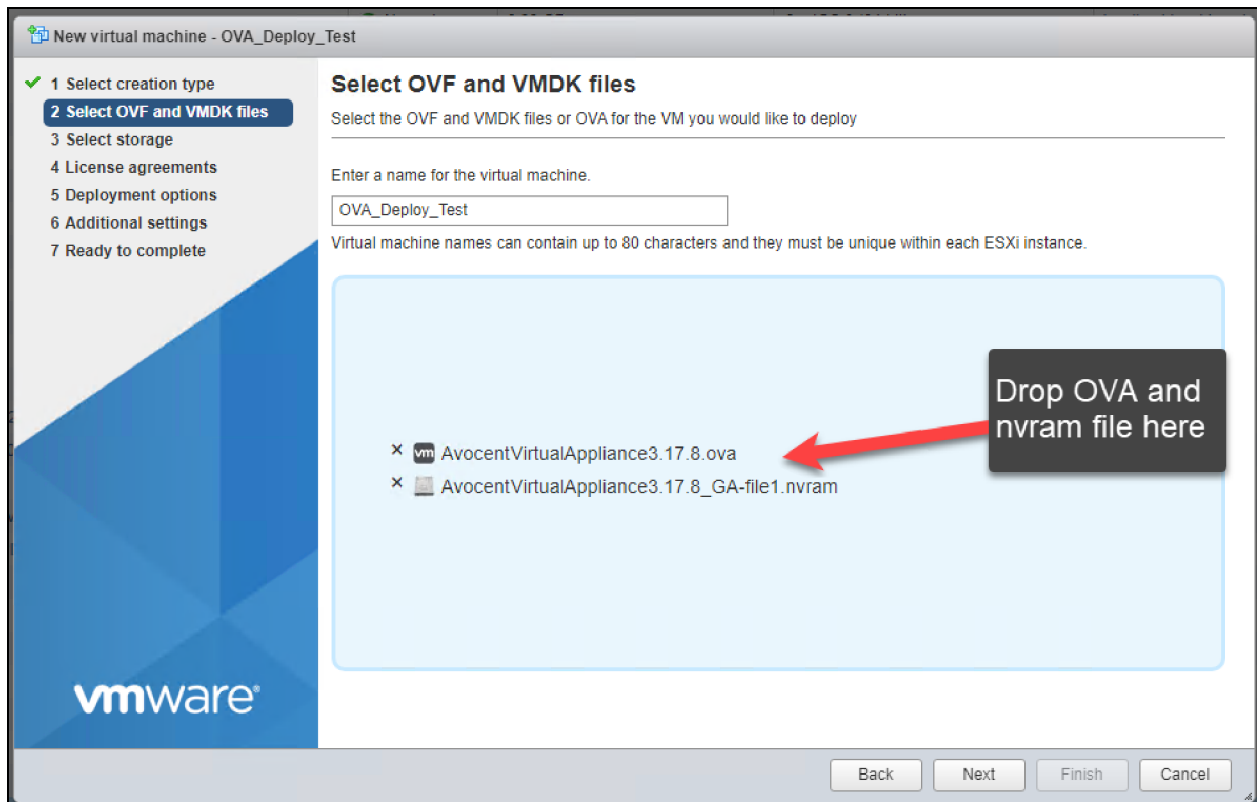
This message indicates you are missing a required NVRAM file. The deployment can still complete successfully without the NVRAM file; however, Secure Boot cannot be validated and the VA will boot into the EFI BIOS. Please refer to the following procedure.

To resolve a missing NVRAM file on ESXi OVA import:

1. Using a TAR file extractor application (such as WinZip or 7Zip), extract the NVRAM file from the OVA archive and place it into the same folder as the OVA file. The extracted file will be the AvocentADXVirtualAppliance<VERSION>-file1.nvram file.
2. From the deployment screen, click *Back* until you are in the Select OVF and VMDK files tab.

3. In the Select OVF and VMDK files tab, drop the OVA and NVRAM file into the blue file drop box.

Figure 4.32 Upload the NVRAM File



4. Click *Next* until the Ready to complete screen appears.

NOTE: Do not select *Finish* until all settings are verified.

5. Click *Finish*. This successfully deploys the .nvram file and enables the Secure Boot feature used when the virtual appliance is booted.

5 Assigning an IP Address

After deploying the Vertiv Avocent MP1000VA Management Platform Virtual Appliance, an IP address must be assigned. The appliance uses an IP address to uniquely identify itself to IP-based target devices. By default, an IP address is obtained via DHCP. You can also manually configure a static IP address.



CAUTION: The management platform virtual appliance supports only one virtual network interface. Additional interfaces will not be recognized by the application and may cause adverse effects, depending on the DHCP client/route metrics.

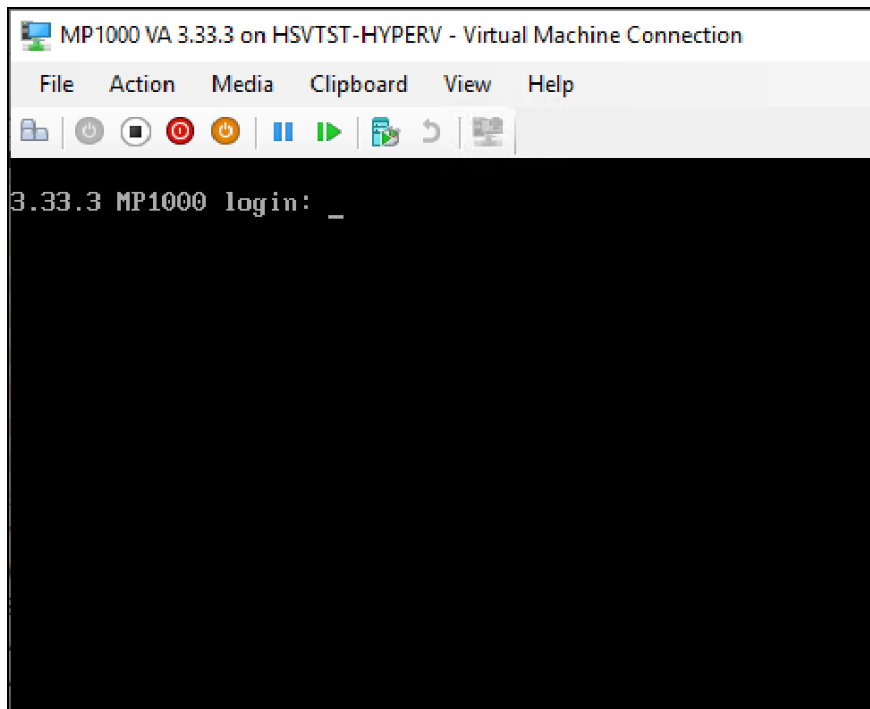
Initially, the management platform virtual appliance must be accessed via the Command Line Interface (CLI) to update your password. Once you log in with your new credentials, you can view the DHCP-assigned IP address or configure a static IP address. You will then use this IP address to access the web UI. Refer to the following procedures to configure the network.

To view the DHCP-assigned IP address or to configure a static IP address:

NOTE: When the VA initially boots, it may take time for the services to start before the CLI responds. If a *Still Starting* message appears, wait for it to clear before proceeding.

1. From the CLI, login using **admin** as the username and password. You are prompted to change the password.

Figure 5.1 Obsidian Login Screen



2. Enter **1** to select the Show/Configure Network Settings option.

Figure 5.2 Show/Configure Network Settings

```
Options:
0 Exit the CLI
1 Show/Configure Network Settings
2 Show Thermal and Power Data
3 Show/Configure Chassis
4 Show/Configure Manager
5 Change Admin Password
6 Require Admin Password Change on Next Login
7 Update Firmware
8 Reset to Factory Defaults
9 Shutdown
10 Reboot
11 Diagnostics
```

3. Enter **1** to select the eth0 option.

Figure 5.3 Network Information

```
:: /network
Options:
0 Return to the Root Menu
1 eth0 172.17.243.5
Select an option:
/network> 1

:: /network/eth0
Interface ID   : eth0
Enabled       : True
MAC Address    : 00:15:5d:38:01:00
DHCP or Static : DHCP
IP Address     : 172.17.243.5
Prefix Length  : 20
Gateway        : 172.17.240.1
Options:
.. Back to Network Interfaces
0 Return to the Root Menu
1 Use DHCP
2 Configure Static Address
Select an option:
/network/eth0> _
```

NOTE: The DHCP-assigned IP address appears once this option is selected. Access the web UI by entering <https://172.17.243.5> and the IP address into a web browser.

NOTE: If you cannot log into the web UI, the time settings may be incorrect. Ensure you are on a network with a reachable NTP server or set the time manually. For more information, see the Vertiv™ Avocent® MP1000 Management Platform User Guide.

4. To assign a static IP address, enter **2** to select the Configure Static Address option, then follow the on-screen prompts to configure the IP, subnet, and gateway.
5. Enter **0** (zero) to select the Return to the Root Menu option.

Figure 5.4 Return to the Root Menu

```

:: /network
Options:
0 Return to the Root Menu
1 eth0 172.17.243.5
Select an option:
/network> 1

:: /network/eth0
Interface ID   : eth0
Enabled       : True
MAC Address   : 00:15:5d:38:01:00
DHCP or Static : DHCP
IP Address    : 172.17.243.5
Prefix Length : 20
Gateway      : 172.17.240.1
Options:
.. Back to Network Interfaces
0 Return to the Root Menu
1 Use DHCP
2 Configure Static Address
Select an option:
/network/eth0> _

```

6. Open a web browser and type **https://** and the static IP address to access the web UI.

For information on configuring your network from the web UI, refer to the Vertiv™ Avocent® MP1000 Management Platform User Guide.

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6 Next Steps

With the completion of this guide, the Vertiv Avocent MP1000VA Management Platform Virtual Appliance has been installed, deployed and assigned an IP address. However, you cannot launch any target sessions until you obtain your licenses for the management platform and target devices.

To learn how to obtain your licenses and configure the web UI, refer to the Vertiv™ Avocent® MP1000 Management Platform User Guide, which can be found on the [Vertiv™ Avocent® MP1000 Management Platform Virtual Appliance](#) product page under the *Documents & Downloads* tab.

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Appendices

Appendix A: Technical Support and Contacts

A.1 Technical Support/Service in the United States

Vertiv Avocent IT Management Software and Hardware Support Contacts

Phone: 1-888-793-8763

Website: <https://www.vertiv.com/en-us/support/warranty/it-management-hardware-support-contacts/>

Email: support.avocent@vertiv.com

A.2 Locations

United States

Vertiv Headquarters
505 N Cleveland Ave
Westerville, OH 43082

Europe

Via Leonardo Da Vinci 8 Zona Industriale Tognana
35028 Piove Di Sacco (PD) Italy

Asia

7/F, Dah Sing Financial Centre
3108 Gloucester Road, Wanchai
Hong Kong

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