



Setting Up the Virtual Appliance

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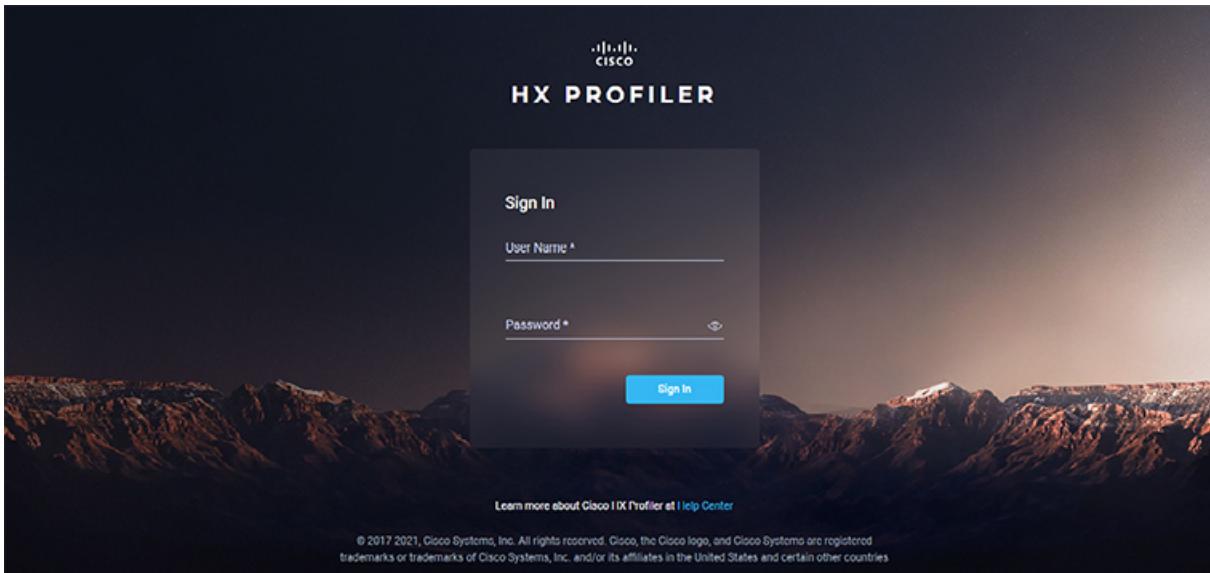
Logging into the Profiler

Logging in to the ESXi Profiler

The Hx Workload Profiler user interface (UI) uses system credentials for authentication.

Step 1 To access the UI, launch a browser window and enter `http://<IP>` or `http://<IP:8000>` or `http://<IP>/profiler/index.html` or `http://<IP:8000>/profiler/index.html`, where the IP is the IP address of the VM.

The HX Profiler UI appears:

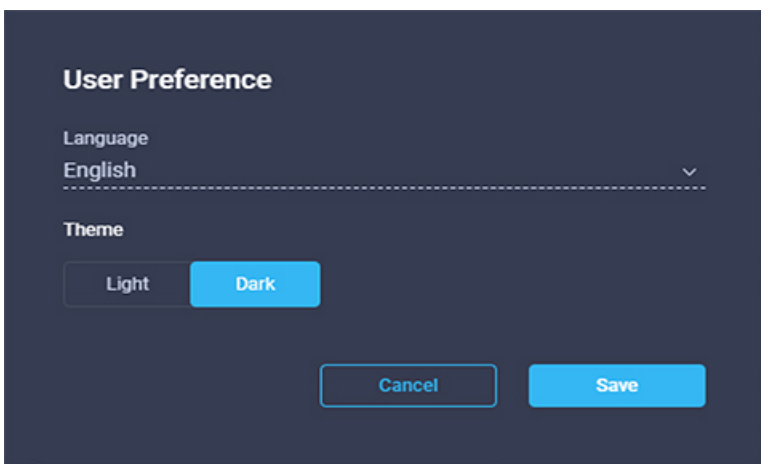


Step 2 When prompted, log in to the UI with the following credentials:

User name: **monitoring**

Password: **<new password set during the install workflow>**

Step 3 You can use the User Preference option in the top right corner of the UI to configure **Language** or **Theme**.



Click **Cancel** or **Save** to continue.

Step 4 When finished, you can end the user session by clicking **Logout** at the top right of the page.

Logging in to the Hyper-V Profiler

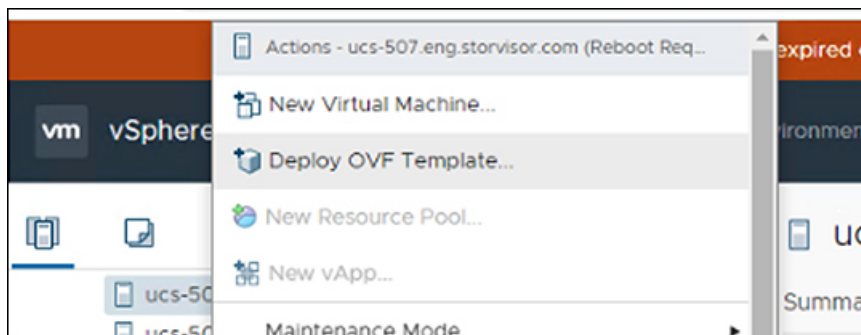
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- Step 1** To access the UI, launch a browser window and enter `http://<IP>` or `http://<IP:8000>` or `http://<IP>/profiler/index.html` or `http://<IP:8000>/profiler/index.html`, where the IP is the IP address of the VM.
- Step 2** When prompted, log in to the UI with the following credentials:
- User name: **monitoring**
- Password: **<new password set during the install workflow>**
- Step 3** When finished, you can end the user session by clicking **Logout** at the top right of the page.
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Deploying the Virtual Machine

Deploying the ESXi Virtual Machine

- Step 1** Log in to VMware vSphere Client.
- Step 2** Select **File > Deploy OVF Template**.



- Step 3** Select the OVA file you want to deploy from the **Select an OVF template** option.

Deploy OVF Template

- 1 Select an OVF template**
- Select a name and folder
- Select a compute resource
- Review details
- Select storage
- Ready to complete

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/filetodeploy.ovf | .ova

Local file

Choose Files No file chosen

 Select a template to deploy. Use multiple selection to select all the files associated with an OVF template (.ovf, .vmdk, etc.)

CANCEL BACK NEXT

Step 4 Click **Next**, review the OVF template details, and then click **Next** again.

Step 5 On the **Select a name and folder** page, specify the name and location for the virtual appliance, and then click **Next**.

Deploy OVF Template

- ✓ 1 Select an OVF template
- 2 Select a name and folder**
- Select a compute resource
- Review details
- Select storage
- Ready to complete

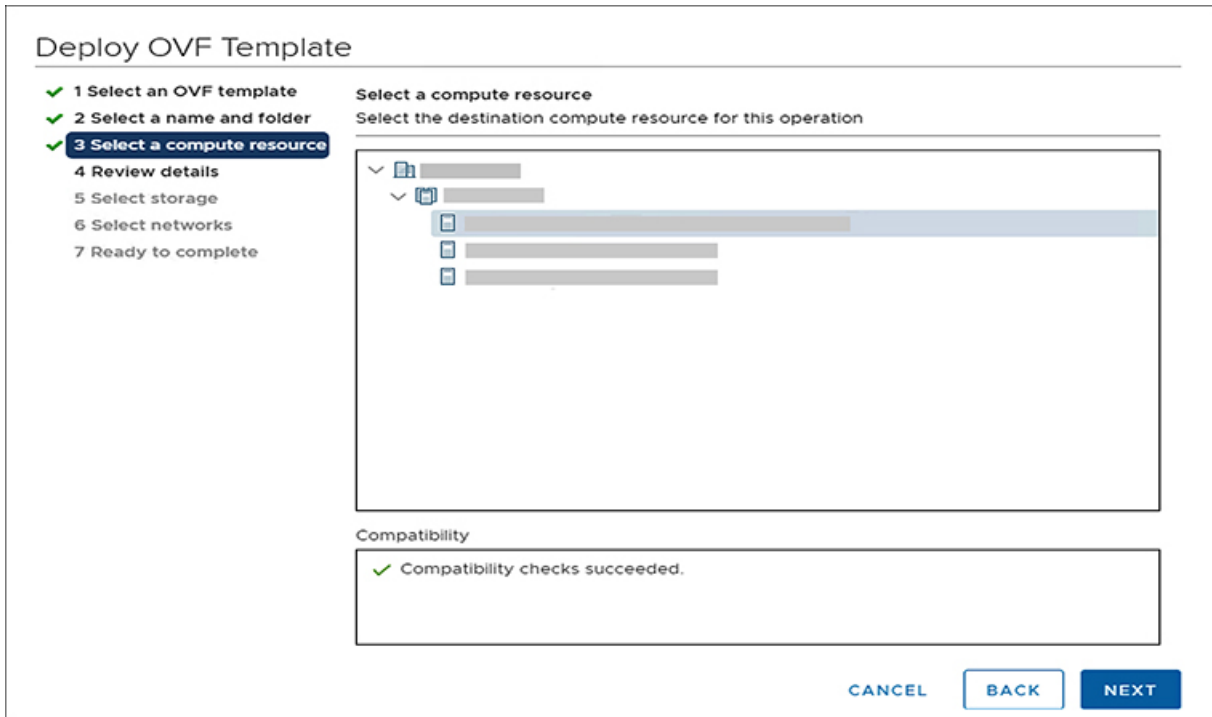
Select a name and folder
Specify a unique name and target location

Virtual machine name: Cisco-HXWorkload-Profiler-4.0-vCenter

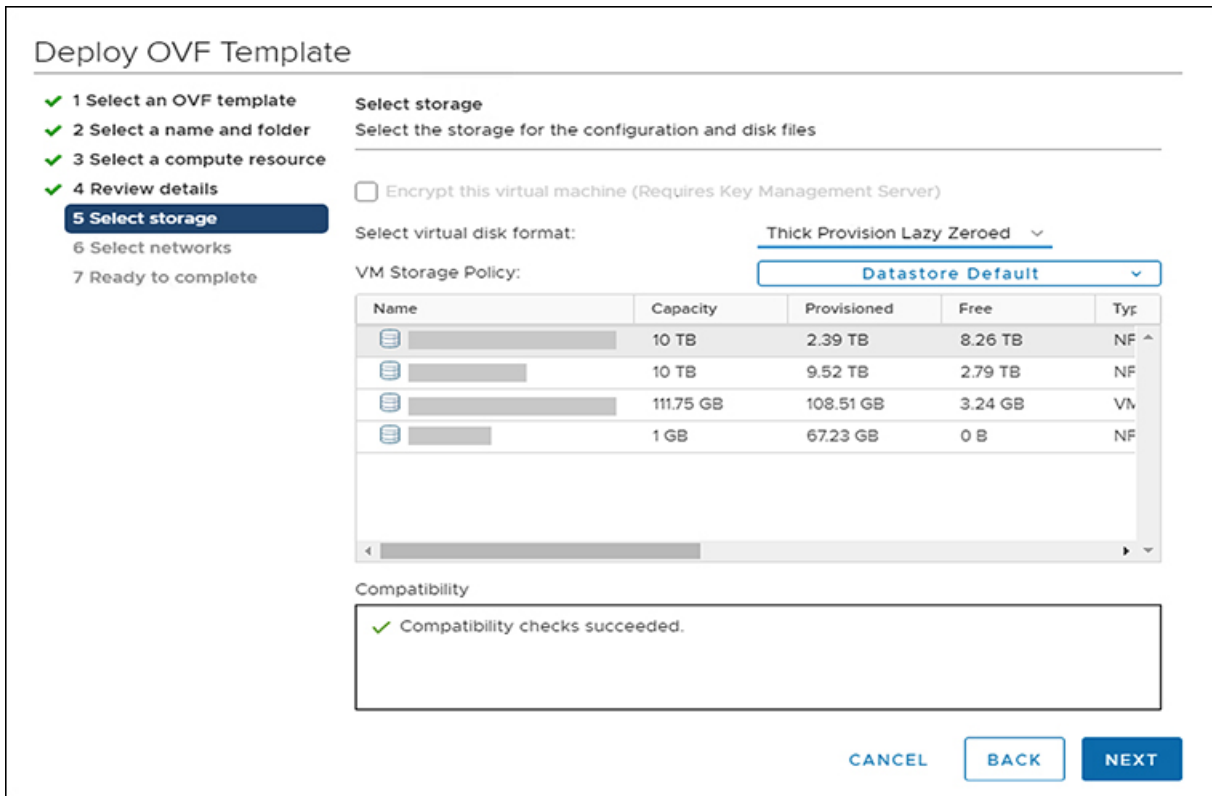
Select a location for the virtual machine.

- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]
- > [Folder]

CANCEL BACK NEXT



Step 6 On the **Select storage** page, specify the storage for the configuration and disk files, and then click **Next**.



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 (Requires Key Management Server)

Select virtual disk format: Thin Provision

VM Storage Policy: Thin Provision

Name	Capacity	Used	Free	Type
[Icon]	10 TB	2.39 TB	8.26 TB	NF
[Icon]	10 TB	9.52 TB	2.79 TB	NF
[Icon]	111.75 GB	108.51 GB	3.24 GB	VM
[Icon]	1 GB	67.23 GB	0 B	NF

Compatibility

✓ Compatibility checks succeeded.

CANCEL BACK NEXT

Step 7 On the **Select networks** page, specify the destination network for each source network, and then click **Next**. You can configure either DHCP or a static IP address for the VM. (Mandatory) You must change the system password for default user monitoring in the System Password fields.

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 Customize template
- 8 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

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 Customize template**
- 8 Ready to complete

Network		5 settings
Public Network Gateway	ex: 10.81.0.1/leave this empty if DHCP is used	
Public Network IP	ex: 10.11.0.120/leave this empty if DHCP is used	
DNS	ex: 8.8.8.8/leave this empty if DHCP is used	
Public Network Netmask	ex: 255.255.0.0/leave this empty if DHCP is used	
Public Network Type	DHCP	
Root Credential		1 settings
System Password	Please provide a password for monitoring user. (min 8 characters)	
	Password	<input type="password"/>
	Confirm Password	<input type="password"/>

CANCEL BACK NEXT

Step 8 On the **Ready to Complete** page, review your deployment settings, select **Power On After Deployment**, and then click **Finish**.

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 Customize template
- 8 Ready to complete**

Provisioning type	Deploy from template
Name	<input type="text"/>
Template name	Cisco-HXWorkload-Profiler-4.0-vCenter
Download size	3.2 GB
Size on disk	100.0 GB
Folder	<input type="text"/>
Resource	<input type="text"/>
Storage mapping	1
All disks	Datastore: <input type="text"/>
Network mapping	1
VM Network	VM Network
IP allocation settings	
IP protocol	IPv4
IP allocation	Static - Manual
Properties	Public Network Gateway =

CANCEL BACK FINISH

What to do next

You must wait for the deployment task to complete. On completion, a successful deployment message displays.

If the IP address has not been assigned after the OVA deployment, reboot the HxProfiler VM.

Deploying the Hyper-V Virtual Machine

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- Step 1** Log in to Hyper-V manager.
 - Step 2** Click **New** in Actions, and select **Virtual Machine** and click **Next** again.
 - Step 3** Enter your **VM name** in Name Text box and click **Next**.
 - Step 4** Select **Generation 1** and click **Next**.
 - Step 5** Enter the required memory size in **Startup Memory**, click **Use Dynamic Mem...**, then click **Next**.
 - Step 6** Select the preferred network from the **Connection** option and click **Next**.
 - Step 7** Select **Use an existing virtual hard disk** and select the **Browse** option, then select the required disk from the system and click **Finish**.
 - Step 8** Click **Start** to power on the VM and click **Connect** to connect via the console.
 - Step 9** Change the password from the console. While changing the password, use the default user name and password as monitoring/monitoring.
 - Step 10** Configure the static or DHCP IP from terminal for the first login.
Follow the instruction prompted in the terminal.
 - Step 11** After IP configuration enter the new password as prompted in terminal.
Machine will not reboot if DHCP and reboots with static IP selection.
 - Step 12** After all IP configuration changes, if any changes are required or any wrong entry IP is entered, edit the interfaces file using VIM editor: `/etc/network/interfaces`
 - Step 13** If you edit the above file, then reboot/reset the machine using Hyper-V manager.
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Configuring and Using the Profiler Application

Configuring and Using the ESXi Profiler Application

Perform the Hx Workload Profiler application configuration and operations from the web-based UI.

The following table shows the high-level steps for configuring the application.

Task	See
Addition of a poller, which is referred to as a workload or node.	Adding vCenter to the ESXi Profiler
Configuration of the profiling attributes.	Starting ESXi Data Profiling
Start the polling operation.	Starting the Profiler Service, on page 10

Configuring and Using the Windows Bare Metal Profiler Application

Perform the Hx Workload Profiler application configuration and operations from the web-based UI.

The following table shows the high-level steps for configuring the application.

Task	See
Addition of a poller, which is referred to as a workload or node.	Adding Windows Bare Metal to the Profiler
Configuration of the profiling attributes.	Starting Windows Bare Metal Data Profiling
Start the polling operation.	Starting the Profiler Service, on page 10

Configuring and Using the Linux Bare Metal Profiler Application

Perform the Hx Workload Profiler application configuration and operations from the web-based UI.

The following table shows the high-level steps for configuring the application.

Task	See
Addition of a poller, which is referred to as a workload or node.	Adding Linux Bare Metal to the Profiler
Configuration of the profiling attributes.	Starting Linux Bare Metal Data Profiling
Start the polling operation.	Starting the Profiler Service, on page 10

Configuring and Using the Hyper-V Profiler Application

Perform the Hx Workload Profiler application configuration and operations from the web-based UI.

The following table shows the high-level steps for configuring the application.

Task	See
Addition of a poller, which is referred to as a workload or node.	Adding Hyper-V to the Profiler
Configuration of the profiling attributes.	Starting Hyper-V Data Profiling
Start the polling operation.	Starting the Profiler Service, on page 10

Using the Profiler Service

Using the Profiler Service

The Hx Workload Profiler start and stop services use the `profiler_service.sh` command.

The following table shows the high-level steps for using the profile service.

Task	See
Starting the Profiler Service	Starting the Profiler Service, on page 10
Stopping the Profiler Service	Stopping the Profiler Service, on page 10
Restarting the Profiler Service	Restarting the Profiler Service, on page 10

Starting the Profiler Service

To start the profiler service:

Run the following command: `sudo service hxpmonitor start.`

Stopping the Profiler Service

Complete the following steps to stop the profiler service:

Step 1 Run the following command: `sudo service hxpmonitor stop.`

Step 2 Run the following command: `sudo service hxpcontroller stop.`

Restarting the Profiler Service

Complete the following steps to restart the profiler service:

Step 1 Run the following command: `sudo service hxpcontroller restart.`

Step 2 Run the following command: `sudo service hxpmonitor restart.`

Locating the Application Logs

Locating the ESXi Application Logs

You can find Hx Workload Profiler logs in the following locations:

Table 1: Application Logs

Log	Path
Server	/home/monitoring/monitor/server.log

Log	Path
Controller	/home/monitoring/controller/logs/*
Monitor	/home/monitoring/monitor/monitor/monitor.log

Locating the Hyper-V Application Logs

You can find Hx Workload Profiler logs in the following locations:

Table 2: Application Logs

Log	Path
Server	/home/monitoring/monitor/server.log
Controller	/home/monitoring/controller/logs/*
Monitor	/home/monitoring/monitor/monitor/monitor.log

