

Setting Up the Virtual Appliance

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Logging into the Profiler

Logging in to the 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:

	Sign In User Name *	
	Password • 💿	State of the second
6 2017 2021, Gisco Syster trademarks of f	Learn more about Claso I IX Profiler at I letp Center ne, inc. All rights reserved. Clase, the Clase lego, and Clase Jaco Systems, Inc. and/or its atfiliates in the United State	o Systems are registered and certain other countries

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**.

User Pref	erence			
Language				
English				~
Theme				
Light	Dark			
		Cancel	Save	

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.

HX Profiler Software License

The lifespan of the HX Profiler Software License is 45 days from the date of deployment. The HX Profiler displays a Software Expiration warning message after 30 days have elapsed after deployment.



Deploying the Virtual Machine

Deploying the Nutanix AHV Virtual Machine

Step 1 Log into Nutanix AHV Prism central UI.

Step 2 Select Home > Settings > Image Configuration > Upload Image.



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ster Details
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ert Cluster
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Configuration
ort
Software

Step 3 Enter **Image name**, select **Image Type** as **Disk** and select desired **Storage Container**.

Step 4 Select **Upload a file** radio button and click on **Choose File** to select the VMDK file you want to upload.

Create Image	?
Name	
Cisco-HXWorkload-Profiler-4.1-vCenter	
Annotation	
Image Type	
DISK	· ·
Storage Container	
default-container-40858	· ·
Image Source	
From URL	
• Upload a file O Choose File No file chosen	
< Back	Cancel Save

Step 5 Click on Save.

Step 6 Navigate to VM page, and click on Create VM.



Step 7 Enter the VM name, provide vCPU(s) as 4 and Memory as 8.

	ſ					
	· · · • • • • •	Create VM ? ×			Q ?	~ 8
		Cisco-HXWorkload-Profiler-4.2-vCenter	_			
		Description			+ Crea	ite VM
		Optional				
		Timezone	r VMs	• 🕜 10 VMs	● · 章 · ·	search
		(UTC) UTC -				
lost	IP Addresses	Use this VM as an agent VM	oller OPS	Controller IO Bandwidth	Controller Avg IO Latency	Bac
	-	Compute Details			-	Yes
		vCPU(s)				
		4	-	-		Yes
		Number Of Cores Per vCPU				
		1	-		•	Yes
		Memory ③				
		8 GiB	0	0 KBps	2.5 ms	Yes

Step 8In the Disks section, click on Add New Disk, select Type as Disk and Operation as Clone from Image Service.Select the desired image from Image drop down list and click on Add button.

	♥ A @	•	Add Disk	? ×			Q ?	~ ¢
			Туре				+ Crea	ite VM
			DISK	•				
			Operation		r VM:	s · 🕜 10 VMs	0 · \$ ~ · [search in
			Clone from Image Service	•				
Host	IP	Cor	Bus Type		oller	Controller IO	Controller Avg IO	Backur
	Addresses		SCSI	•	OPS	Bandwidth	Latency	Duckoy
			Image 🕜					Yes
			Cisco-HXWorkload-Profiler-4.1-vCenter	•				
			Size (GiB) 🕐					Yes
			100					
			Please note that changing the size of an image is not allowed.		-	-		Yes
	_		Next Available	•	0	0 KPac	2.9 mc	Voc
						0 KBps	2.0 ms	res
	_		Cancel	Add				

Step 9 Add New NIC under Network Adapters section.

tor ▲ ② ·	Create	VM ? ×			Q	? ∽ ¢t	enaineerina 💙
	+ Add Volu	me Group			+ Cre	ate VM N	etwork Config
	Network Adapters (NIC)	+ Add New NIC	r VMs	10 VMs	⊙ · ✿ • · [search in tabl	e Q
IP Addresses	VLAN ID NAME MAC 0 vmnetwork	REQUESTED	oller OPS	Controller IO Bandwidth	Controller Avg IC	Backup	Flash Mode
	VM Host Affinity		-			Yes	No
	You haven't pinned the	VM to any hosts yet.		•		Yes	No
	+ Set A	ffinity				Yes	No
_	Custom Script		0	0 KBps	3.27 ms	Yes	No
		Cancel	0	0 KRos	0.05	No 2	No

- **Step 10** Click on **Save**, the VM will be deployed.
- **Step 11** Select the deployed VM and click on **Power On** button.
- **Step 12** Click on Launch Console to connect to the console.
- **Step 13** Change the password from the console. While changing the password, use the default user name and password as monitoring/monitoring.

Step 14 Configure the static or DHCP IP from terminal for the first login. Follow the instruction prompted in the terminal.
Step 15 After IP configuration, enter the new password as prompted in the terminal. The machine will not reboot if DHCP and reboots with static IP selection.
Step 16 After all IP configuration changes, if any changes are required or any wrong entry IP is entered, edit the interfaces file, using the VIM editor under the following path:/etc/network/interfaces.

Step 17 If you edit the above file, then reboot/reset the machine.

Configuring and Using the Profiler Application

Configuring and Using the Nutanix AHV 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 Nutanix AHV to the Profiler
Configuration of the profiling attributes.	Starting Nutanix AHV Data Profiling
Start the polling operation.	Starting the Profiler Service, on page 7

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 7
Stopping the Profiler Service	Stopping the Profiler Service, on page 8
Restarting the Profiler Service	Restarting the Profiler Service, on page 8

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 sto	p.
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 comand: sudo	service	hxpcontroller restart.
Step 2	Run the following comand: ${\tt sudo}$	service	hxpmonitor restart.

Locating the Application Logs

Locating the 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
Controller	/home/monitoring/controller/logs/*
Monitor	/home/monitoring/monitor/monitor/monitor.log