

System Requirements

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Prerequisites

- Install sshpass before executing the script file.
 - On Debian/Ubuntu and its derivatives:
 - sudo apt-get install sshpass
 - In RedHat/CentOS based systems:
 - yum install sshpass
 - dnf install sshpass [On Fedora 22+ versions]
- RAM requirement: 4 GiB
- CPU requirement: 4 CPUs
- Storage Class free space requirement: Minimum of 40 GB. I

Configuring HX Profiler for Kubernetes Environments

1. Download the Cisco-Profiler-2.1-CSI.tar file from https://hyperflexsizer.cloudapps.cisco.com.

• DOWNLOAD HX TOOLS > HyperFlex Profiler > Kubernetes



2. Untar Cisco-HxProfiler-CSI-4.1.tar.gz with tar -zxf Cisco-HxProfiler-CSI-4.1.tar.gz.



3. Run the cd Cisco-HxProfiler-CSI-4.1/Script files to access the directory Script files

```
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1$ ls
Deployment_yaml_files Docker_Image Script_files
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1$ cd Script_files/
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1/Script_files$ ls -lrt
total 12
-rw-rw-r-- 1 cisco cisco 10042 Nov 28 13:42 profiler_deployment.sh
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1/Script_files$
```

4. Run the **bash profiler_deployment.sh** script to execute the script.

```
-rw-rw-r-- 1 C1SCO C1SCO 10042 NOV 28 13:42 profiler_deployment.sn
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1/Script_files$ ls
profiler_deployment.sh
cisco@jvdmade-M:~/prabhu/Cisco-HxProfiler-CSI-4.1/Script_files$ bash profiler_deployment.sh
```

5. When prompted, type your storage class name and press the enter button.



b. Repeat step 8a to deploy the image in all worker nodes.

```
Enter storage class name: csi-hxcsi-default
Do you want to deploy profiler image in all worker nodes(recommended) -Y/N-: y
Enter 10.2.14.251 username : cisco
Enter 10.2.14.251 password :
Copying docker Images
Loading docker Images
Connection to 10.2.14.251 closed.
Image deployed Successfully
Enter 10.2.14.252 username : cisco
Enter 10.2.14.252 password :
Copying docker Images
Loading docker Images
Connection to 10.2.14.252 closed.
Image deployed Successfully
Enter 10.2.14.253 username : cisco
Enter 10.2.14.253 password :
Copying docker Images
Loading docker Images
Connection to 10.2.14.253 closed.
Image deployed Successfully
The namespace used for deployment is profiler do you want to change -Y/N-: y
```

7. If you do not want to deploy image in all worker nodes, then type **N** and press the **Enter** button. Type IP, username and password of the worker node if you want to deploy image in any specific node.



8. Deployment Namespace: The default namespace used for deployment is profiler.

In the provided namespace, it will check if Elasticsearch and postgres pods deployed in the namespace, if yes:

- Delete the entire namespace and deploy fresh namespace, continue to step 11.
- **a.** If you want to delete and create a new then type **Y** and press the enter button. The default profiler namespace is deleted, and the new namespace named profiler is created, type **Y** and press the enter button to confirm the action.



b. If you want to deploy in any other namespace type \mathbf{Y} and type the desired namespace.

Enter storage class name: csi-hxcsi-default
Do you want to deploy profiler image in all worker nodes(recommended) -Y/N-: n
Enter workernode ip : 10.2.14.251
Enter 10.2.14.251 username : cisco
Enter 10.2.14.251 password :
Copying docker Images
Loading docker Images
Connection to 10.2.14.251 closed
Image deployed Successfully
Do you want to deploy image in any worker node -Y/N-: n
The namespace used for deployment is profiler do you want to change -r/h-: y
namespace must consist of lower case alphanumeric characters or, and must start and end with an alphanumeric char Tetes the reserves a start dealert
Enter the namespace; profiler-deploy1
Pous Etasticsearch and Postgres are running do you want to delete his profiler-deployi and create them -i/N-: y
The namespace profitter-deptoyr with be detered and created freshty do you want to continue -f/w-: y

9. Enter the new namespace name and press the Enter button.



Note

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Namespace name requirements: lower case alphanumeric characters and "-" (dash). The name must start and end with an alphanumeric character.

Deployment of Elasticsearch and Postgres yaml file in all nodes are created.



10. At the prompt for the current UNIX password, type the password for the appadmin GUI account (default password is **password**) and press the **Enter** button.

urrent) UNIX password:	iymonictor dig etasteri ote	building new protector	
ter new UNIX password:			
type new UNIX password: ccess			

11. At the prompt for the new UNIX password, type your new user defined password and press the **Enter** button.



12. At the prompt to retype your new UNIX password, type your new password and press the Enter button. Now deployment of profiler will be created.



13. The result is the final profiler-ip with the port number. Copy the IP address and paste it in the browser to fetch the UI

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

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:PORT_NUMBER > or http://<
 IP:PORT_NUMBER > or http://< IP:PORT_NUMBER >/profiler/index.html or http://<
 IP:PORT_NUMBER >/profiler/index.html, where the IP:PORT_NUMBER is the output of deployment script.

The HX Profiler UI appears:

	-ااندان. cisco HX PROFILER		
	Sign In User Name *		
	Password * 💿	2007	
© 2017 2021, Gisco Syste trademarks of	Learn more about Glaco I IX Profiler at Help Center mo, Inc. All rights reserved, Glaco, Ithe Glace logo, and Gla Claco Systems, Inc. and/or its atfiliates in the United State	co Systems are registered es and certain other countries	1997 - 1993, 888 - 17

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

User name: monitoring

Password: <new password set during the deployment workflow>

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

User Prefe	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.

Starting the Profiler Service

To start the profiler service run the below commands inside profiler pod:

Run the following command: sh podscript.sh.

Stopping the Profiler Service

Complete the following steps inside profiler pod to stop the profiler service:

Step 1Run the following command: cd profiler_scripts/.Step 2Run the following command: sudo sh profiler_service.sh stop.

Locating the Kubernetes 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