Understand Sensor CLI Log In Procedure for Cyber Vision

Contents

Introduction

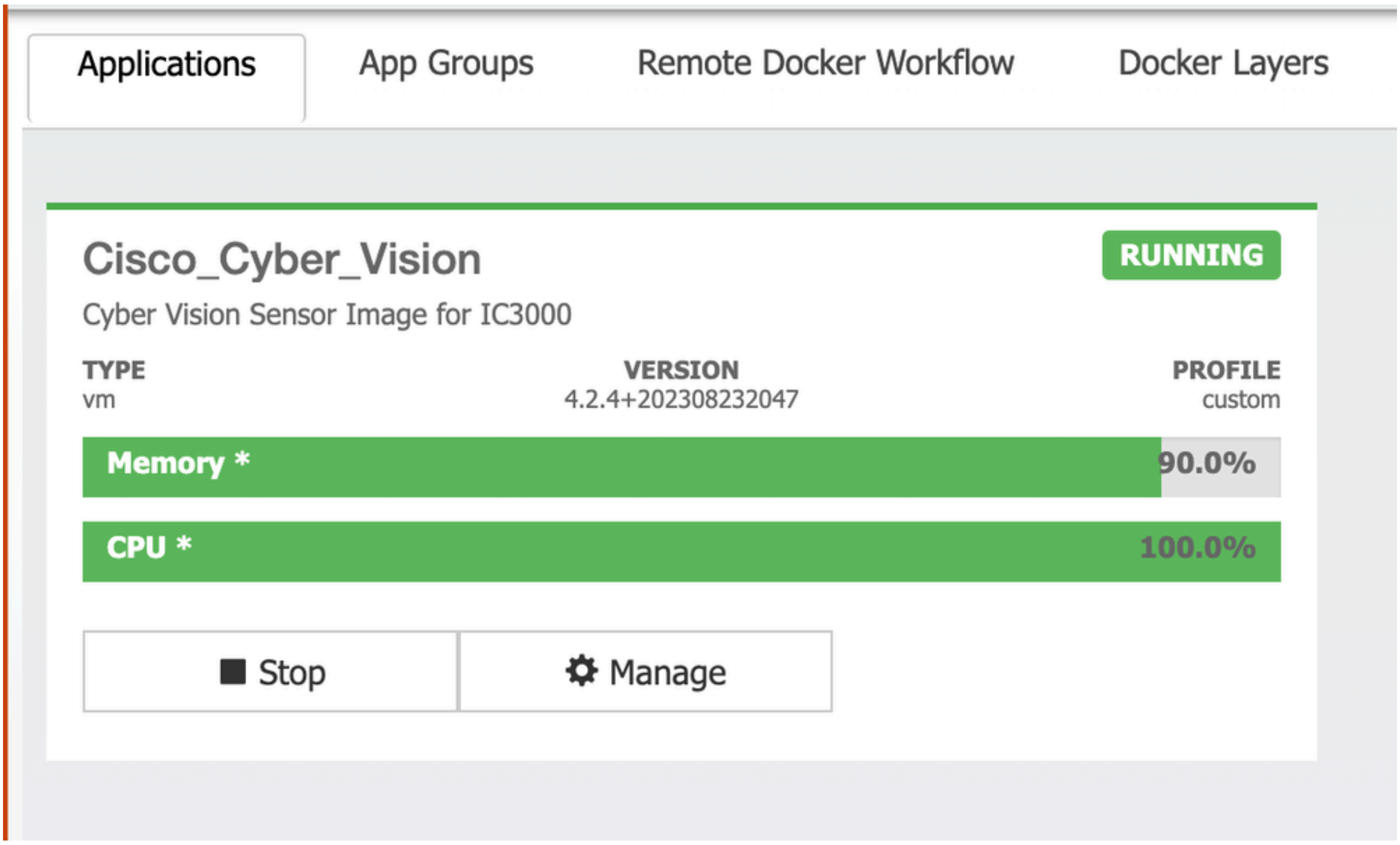
This document describes the Sensor CLI login procedure for both network and hardware sensors of Cisco Cyber Vision.

Hardware Sensor - IC3000

Before Cyber Vision Version 4.3.0

Note: Before the Cyber Vision version 4.3.0, the IC3000 sensor was deployed as a Virtual Machine (VM) in the Cisco IOx ((Cisco IOs + linuX) is an end-to-end application framework that provides application-hosting capabilities for different application types on Cisco network platforms) local manager.

Login to the IC3000 local manager interface (https://ip_address:8443) as an admin user, navigate to applications and then click the **manage** app option.



Cisco_Cyber_Vision

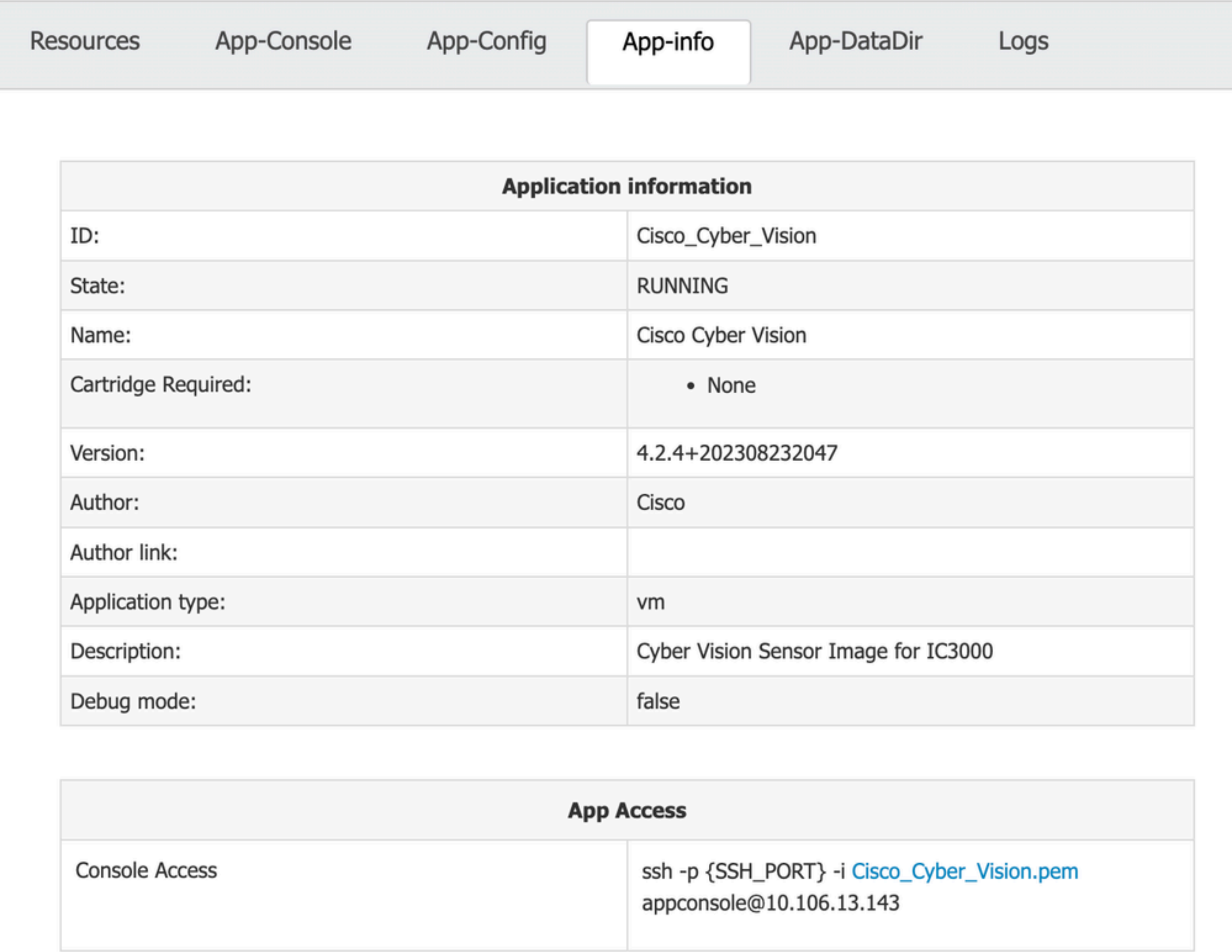
Cyber Vision Sensor Image for IC3000

TYPE vm

VERSION 4.2.4+202308232047

PROFILE custom

Choose the App-info menu, and click the **Cisco_Cyber_Vision.pem** option present in the App Access section as shown:

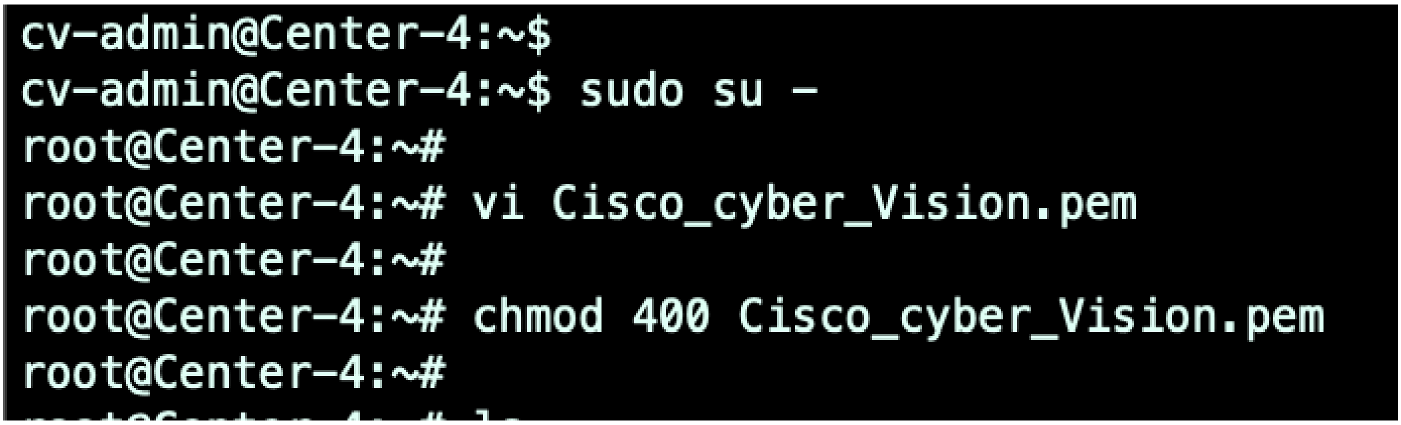


Application information	
ID:	Cisco_Cyber_Vision
State:	RUNNING
Name:	Cisco Cyber Vision
Cartridge Required:	• None
Version:	4.2.4+202308232047
Author:	Cisco
Author link:	
Application type:	vm
Description:	Cyber Vision Sensor Image for IC3000
Debug mode:	false

App Access	
Console Access	ssh -p {SSH_PORT} -i Cisco_Cyber_Vision.pem appconsole@10.106.13.143

Copy the Rivest-Shamir-Addleman (RSA) key present in the **Cisco_Cyber_Vision.pem** file.
Now, login to the Cyber Vision Center CLI and then create a new file with the RSA key contents in the file.

Using any Linux editor, for example, vi editor (visual editor) creates a file and pastes the contents of the RSA key file into this file (**Cisco_Cyber_Vision.pem** is the file name in this example).



```
cv-admin@Center-4:~$
cv-admin@Center-4:~$ sudo su -
root@Center-4:~#
root@Center-4:~# vi Cisco_cyber_Vision.pem
root@Center-4:~#
root@Center-4:~# chmod 400 Cisco_cyber_Vision.pem
root@Center-4:~#
```

Restrict the permissions to the file **Cisco_Cyber_Vision.pem**, by using the command **chmod 400**.
Now the IC3000 sensor console can be accessed using:

```
ssh -p {SSH_PORT} -i file_name appconsole@LocalManagerIP
```

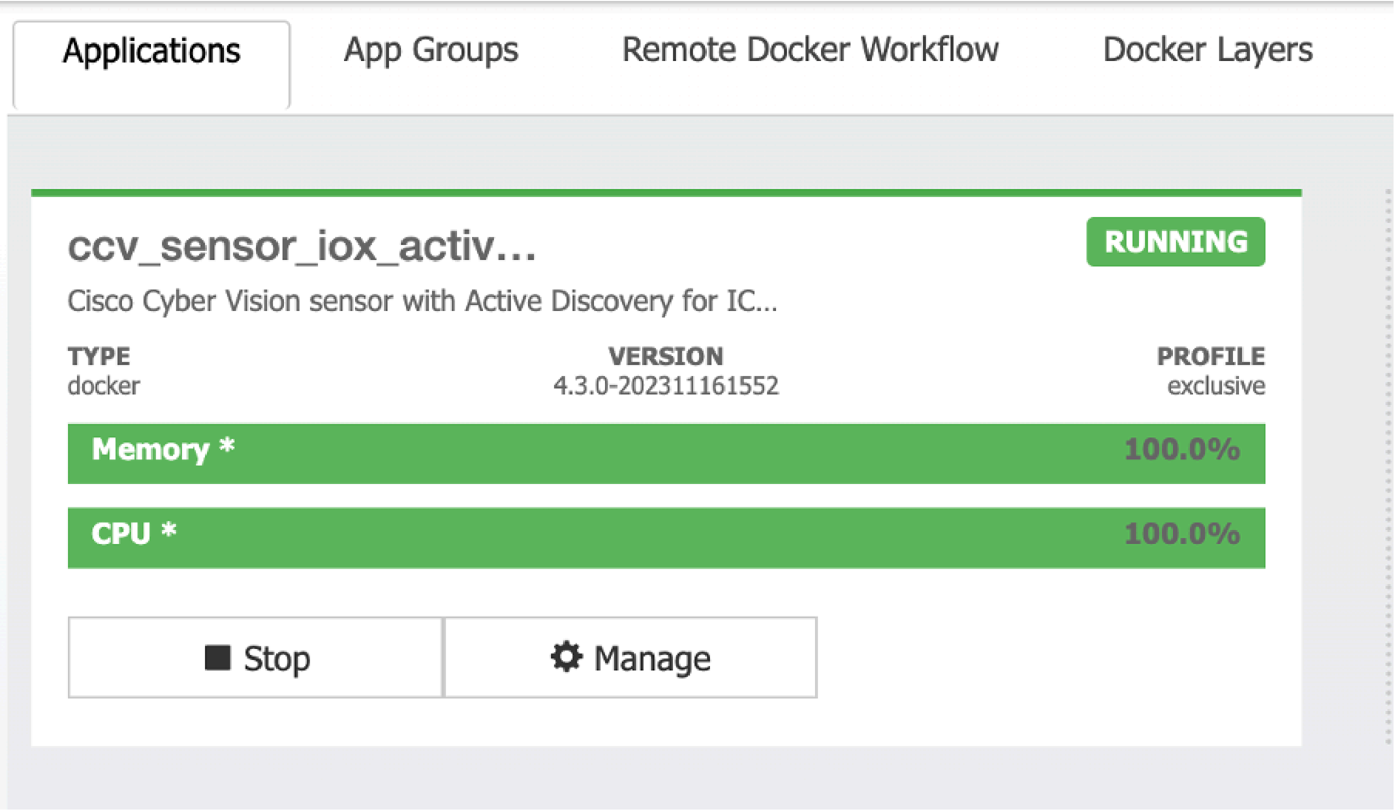
For example, if the Secure Shell (SSH) port configured in the setup is 22, **Cisco_Cyber_Vision.pem** is the filename and Local Manager IP address (LMIP) is the IP address of LocalManager, then the result is ssh -p 22 -i Cisco_Cyber_Vision.pem appconsole@LMIP.

Note: The IC3000 certificate changes every time the switch is rebooted and hence this procedure needs to be repeated.

Cyber Vision 4.3.0 Version Onwards

The Cisco Cyber Vision sensor application for IC3000 format changed from VM to Docker in version 4.3.0. For more details regarding the same, refer to Cisco-Cyber-Vision_Release-Notes-4-3-0.pdf.

Login to the IC3000 local manager interface (https://ip_address:8443) as an admin user, navigate to applications and then click the **manage** app option.



ccv_sensor_iox_activ...

Cisco Cyber Vision sensor with Active Discovery for IC...

TYPE docker

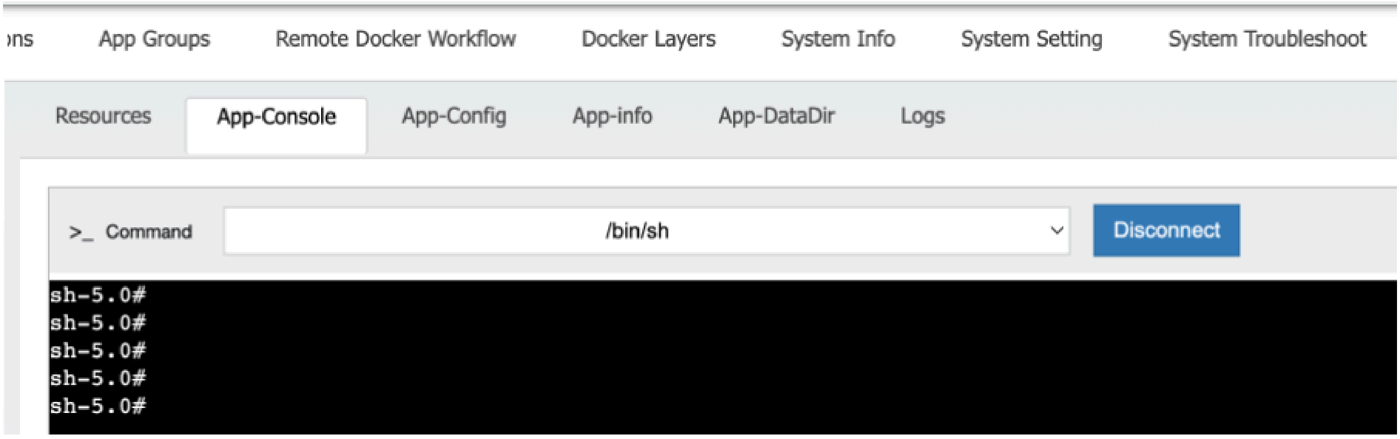
VERSION 4.3.0-202311161552

PROFILE exclusive

Memory * 100.0%

CPU * 100.0%

Then navigate to the App-Console tab in order to access the sensor application.



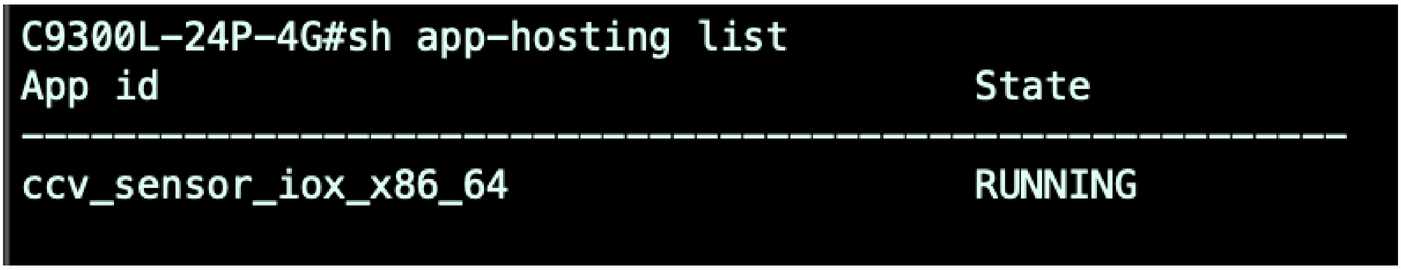
>_ Command /bin/sh

```
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
```

Network Sensors

Login to the respective switch CLI and copy the sensor application ID using this command:

```
show app-hosting list
```

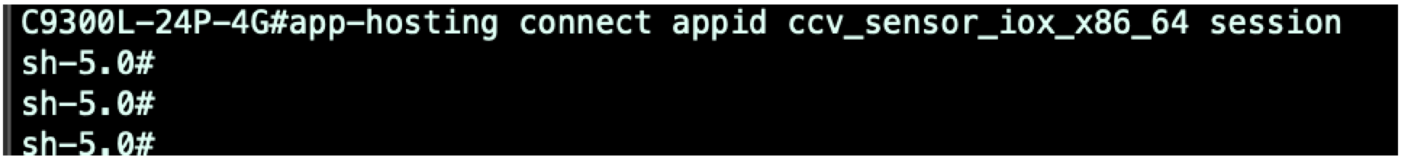


```
C9300L-24P-4G#sh app-hosting list
App id                                              State
------------------------------------------------------------------
ccv_sensor_iox_x86_64                               RUNNING
```

Log in to the sensor application using:

```
app-hosting connect appid sensor_app_name session
```

For example, in this case, it is **app-hosting connect appid ccv_sensor_iox_x86_64 session**.



```
C9300L-24P-4G#app-hosting connect appid ccv_sensor_iox_x86_64 session
sh-5.0#
sh-5.0#
sh-5.0#
```

The prompt shown in the screen capture confirms that the sensor login is successful.