



Upgrade procedures

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Upgrade through the Cisco Cyber Vision sensor management extension

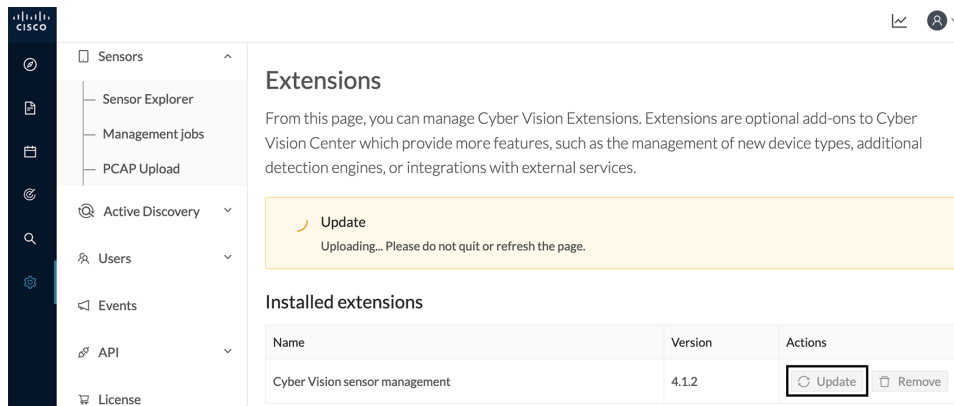
Before updating IOx sensors, the Cisco Cyber Vision sensor management extension must be up-to-date. It is possible to select which sensors to update. The update status will be visible in the [Management jobs](#) page.

Update the sensor management extension

The Cisco Cyber Vision sensor management extension must be up-to-date to update IOx sensors.

Procedure

- Step 1** Retrieve the sensor management extension file (i.e. CiscoCyberVision-sensor-management-<version>.ext) on [cisco.com](#).
- Step 2** In Cisco Cyber Vision, navigate to Admin > Extensions.
- Step 3** Click **Update** to browse the new version of the extension file.



Extensions

From this page, you can manage Cyber Vision Extensions. Extensions are optional add-ons to Cyber Vision Center which provide more features, such as the management of new device types, additional detection engines, or integrations with external services.

Update
Uploading... Please do not quit or refresh the page.

Installed extensions

Name	Version	Actions
Cyber Vision sensor management	4.1.2	<input type="button" value="Update"/> <input type="button" value="Remove"/>

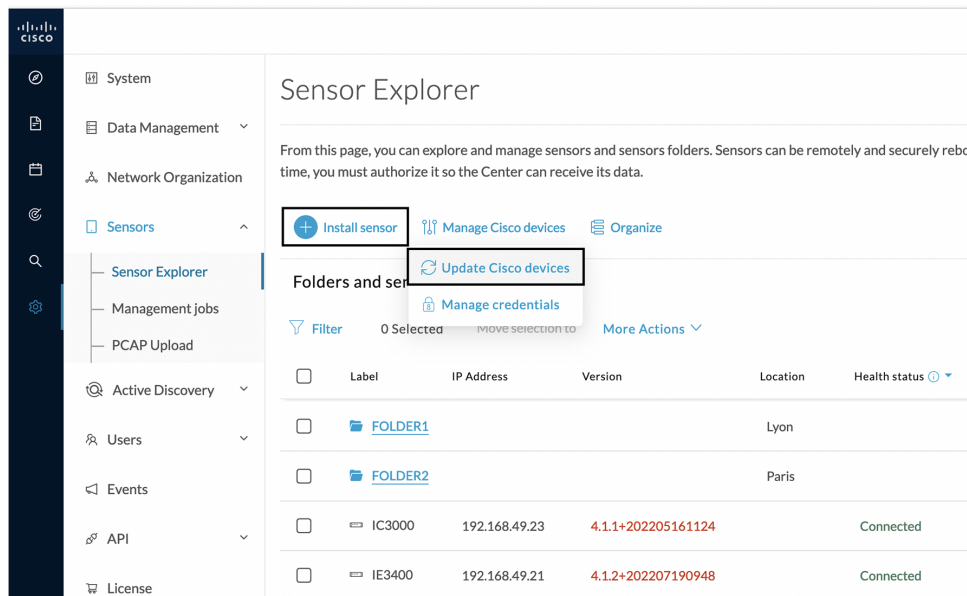
Update the sensors

Procedure

Step 1 In Cisco Cyber Vision, navigate to Admin > Sensors > Sensor Explorer.

Sensors that are not up-to-date have their version displayed in red.

Step 2 Click **Install sensor**, then **Update Cisco devices**.



Sensor Explorer

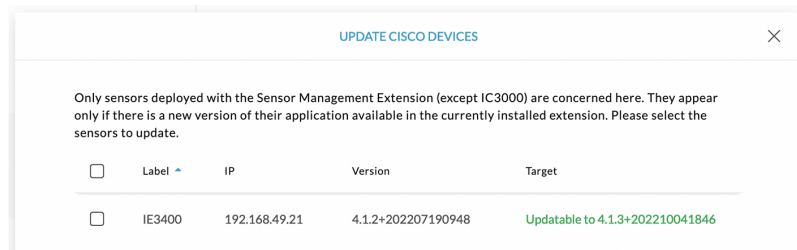
From this page, you can explore and manage sensors and sensors folders. Sensors can be remotely and securely rebooted, you must authorize it so the Center can receive its data.

Folders and sensors

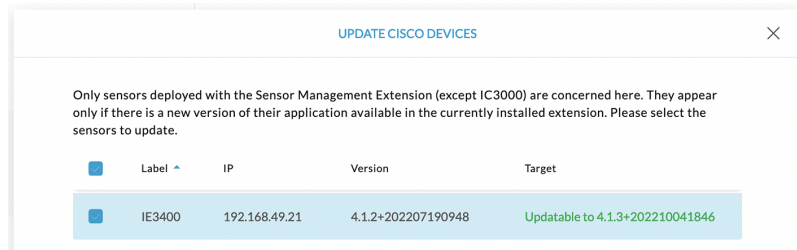
0 Selected

<input type="checkbox"/>	Label	IP Address	Version	Location	Health status
<input type="checkbox"/>	FOLDER1			Lyon	
<input type="checkbox"/>	FOLDER2			Paris	
<input type="checkbox"/>	IC3000	192.168.49.23	4.1.1+202205161124		Connected
<input type="checkbox"/>	IE3400	192.168.49.21	4.1.2+202207190948		Connected

The update Cisco devices window pops up listing all sensors that have been deployed with the sensor management extension.

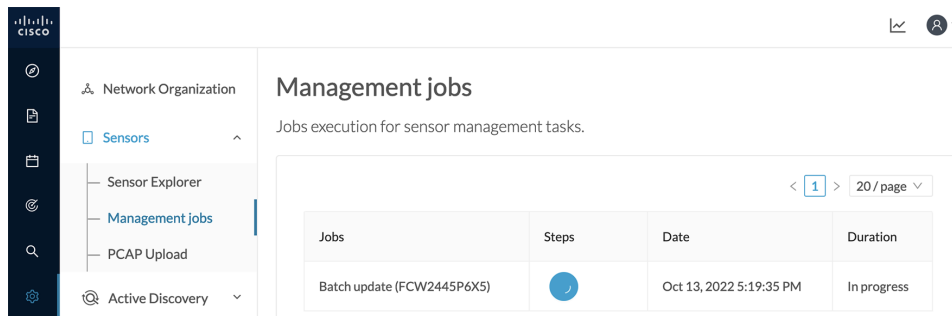


Step 3 Select the sensors you want to update.

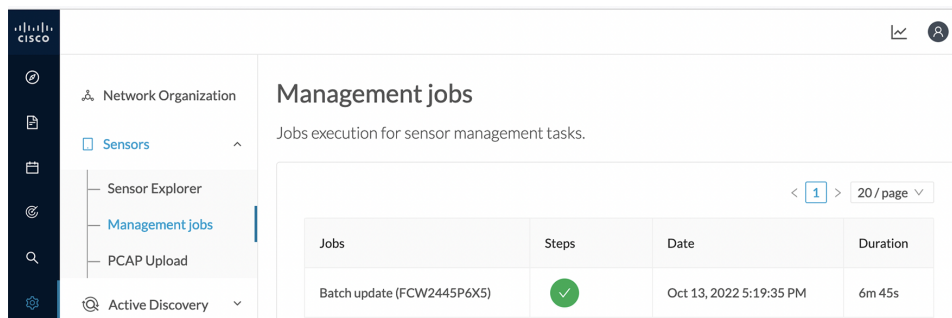


Step 4 Click **Update**.

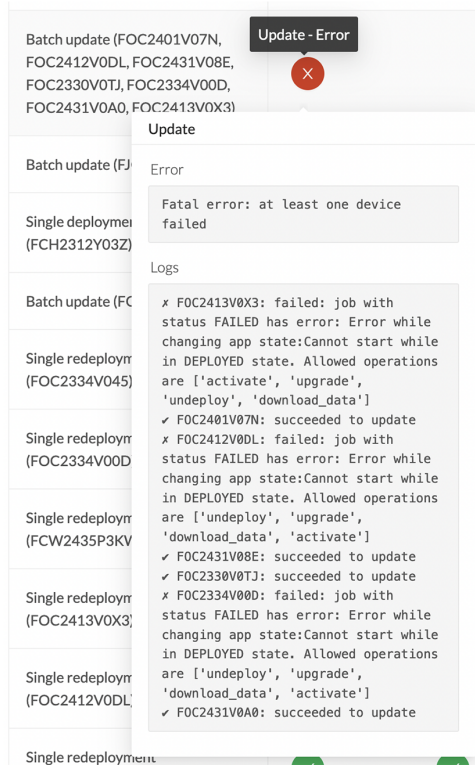
The sensors' update status appear in the Management jobs page in batches per sensor type and of maximum ten sensors per batch.



Herebelow the management jobs indicate that the batch of sensors updated successfully.



If the batch update fails, click the red update error icon to see logs.



Upgrade through the IOx Local Manager

The following section explains how to upgrade the sensor through the IOx Local Manager.



Note In the case of Cisco Cyber Vision upgrade for a Catalyst 9x00 from a release 4.1.2 or lower to a release 4.1.3, the update will fail due to the addition of the RSPAN option. The sensor application must be removed and deployed again.

In the example below, the sensor is upgraded from Cisco Cyber Vision version 3.2.2 to version 3.2.3.

Figure 1: The sensor in version 3.2.2 in the Sensors administration page of Cisco Cyber Vision

The screenshot displays the 'Sensors' administration page in Cisco Cyber Vision. The page title is 'Sensors' and includes a brief description: 'From this page, you can manage sensors in online and offline modes and generate provisioning packages to deploy Cisco Cyber Vision on remote sensors. Sensors can also be remotely and securely rebooted, shut down, and erased. When a sensor connects for the first time, you must authorize it so the Center can receive its data.'

Name	IP	Version	Status	Processing status	Active Discovery status	Capture Mode	Uptime
FOC2334V00H	192.168.69.20	3.2.2+202103181619	Connected	Pending data	Unavailable	All	4d 1h 3m 47s
FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	3m 27s

Details for FOC2334V00H:

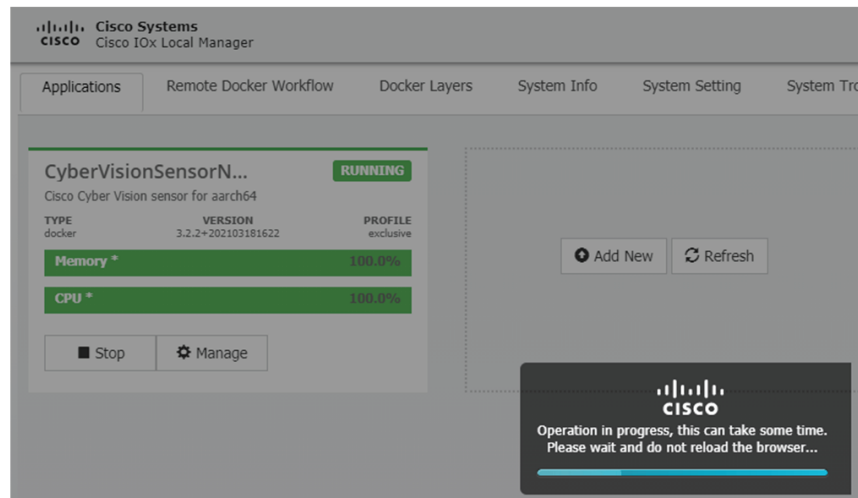
- S/N: FOC2334V00H
- Name: FOC2334V00H
- IP address: 192.168.69.20
- Version: 3.2.2+202103181619
- System date (UTC): Monday, May 31, 2021 9:17 AM
- Status: Connected
- Processing status: Pending data
- Active discovery: Unavailable
- Deployment: Manual
- Uptime: 4d 1h 32m 47s
- Capture mode: All
- Start recording sensor
- Go to statistics

Buttons at the bottom: UPDATE CISCO DEVICES, DEPLOY CISCO DEVICE, INSTALL SENSOR MANUALLY, IMPORT OFFLINE FILE.

1. Access the IOx Local Manager.
2. Stop the application.

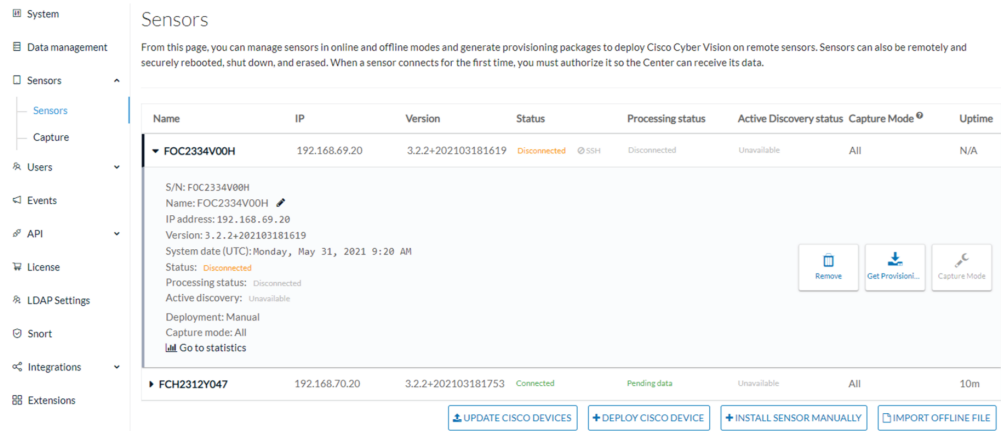
The screenshot shows the Cisco IOx Local Manager interface. The page title is 'Cisco IE-3400-8T2S 17.3.2a'. The navigation menu includes Dashboard, Monitoring, Configuration, Administration, Licensing, and Troubleshooting. The main content area shows 'Configuration > Services > IOx'. Under 'Applications', there is a 'CyberVisionSensorN...' application with a 'RUNNING' status. The application details show 'TYPE: docker', 'VERSION: 3.2.2+202103181622', and 'PROFILE: exclusive'. Resource usage is shown as 'Memory * 100.0%' and 'CPU * 100.0%'. There are 'Stop' and 'Manage' buttons at the bottom.

The operation takes a few moments.



The application status switches to STOPPED.

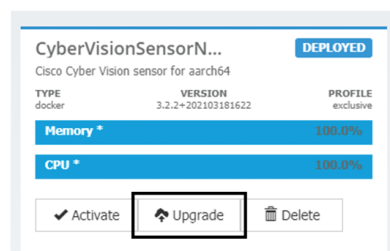
In Cisco Cyber Vision, the sensor status switches to Disconnected.



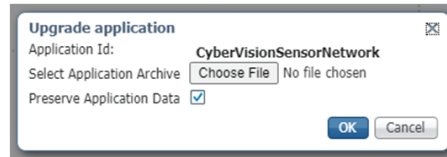
3. In the IOx Local Manager, click the **Deactivate** button.

The application status moves to DEPLOYED.

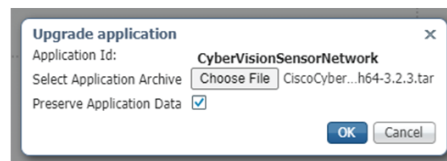
4. Click **Upgrade**.



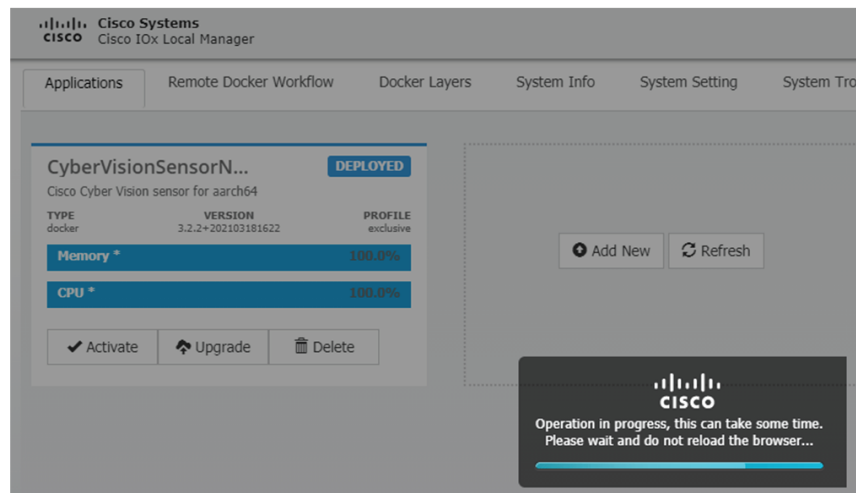
The pop up Upgrade application appears.



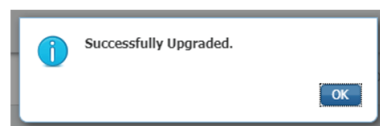
5. Select the **Preserve Application Data** option.
6. Select the new version of the application archive file.
e.g. CiscoCyberVision-IOx-aarch64-3.2.3.tar



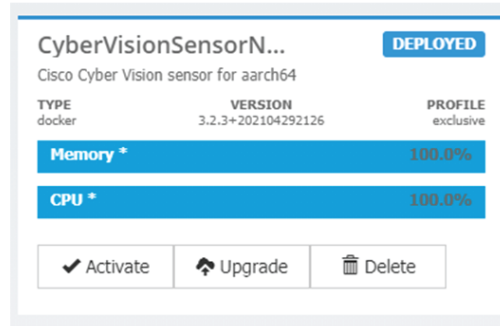
The operation takes a few moments.



A message indicating that the sensor has been successfully upgraded is displayed.



7. Check the number of the new version.
8. Click **Activate**.



9. Check configurations.

It can happen that network configurations are lost during the upgrade. If they are, refer to Configure the sensor virtual application in the [procedure with the Local Manager](#) corresponding to the switch used and do as explained.

10. Click the **Activate App** button.

The application status moves to ACTIVATED.

11. Click the **Start** button.

The application status changes to RUNNING.

In Cisco Cyber Vision, the sensor is upgraded from version 3.2.2 to 3.2.3 and its status moves to Connected.

Name	IP	Version	Status	Processing status	Active Discovery status	Capture Mode	Uptime
FOC2334V00H	192.168.69.20	3.2.3+202104292032	Connected	Pending data	Unavailable	All	4d 1h 4 9m
FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	19m 34 s