



## Upgrade procedures

---

- [Upgrade through the Cisco Cyber Vision sensor management extension, on page 1](#)
- [Upgrade through the IOx Local Manager, on page 4](#)

### 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.

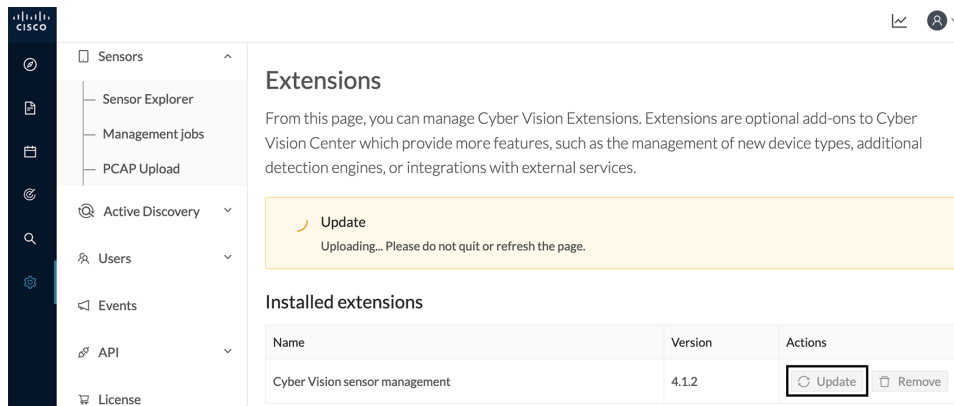
#### Update the sensor management extension

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"/>

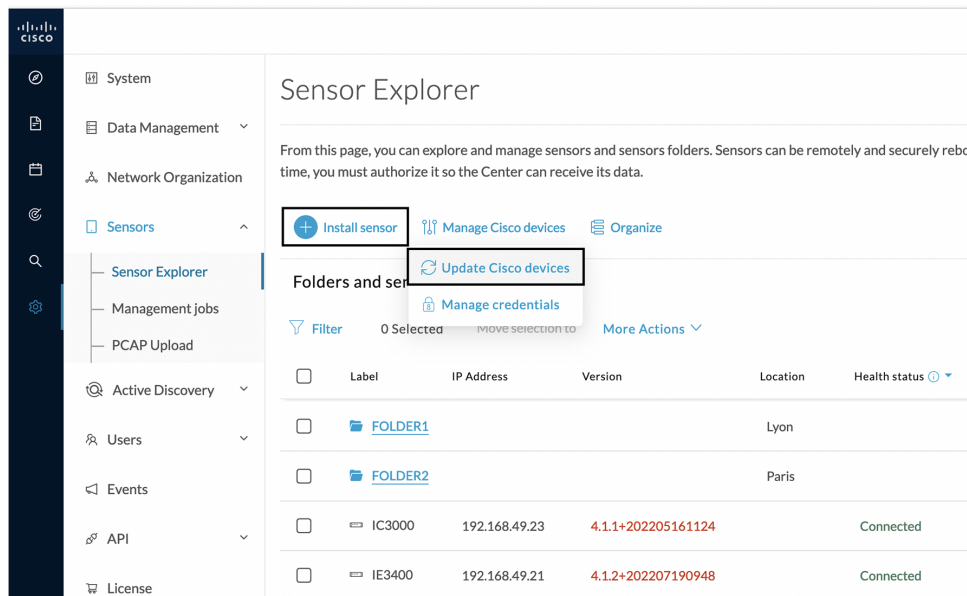
## Update the sensors

### 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**

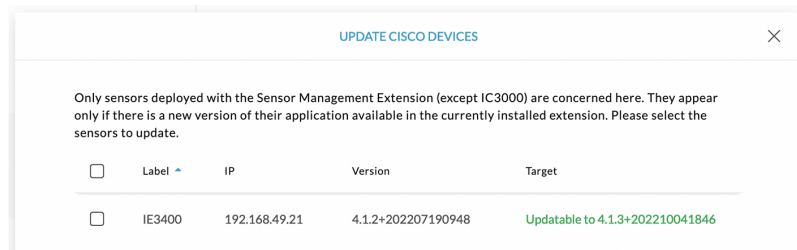
From this page, you can explore and manage sensors and sensors folders. Sensors can be remotely and securely rebooted, you must authorize it so the Center can receive its data.

**Folders and sensors**

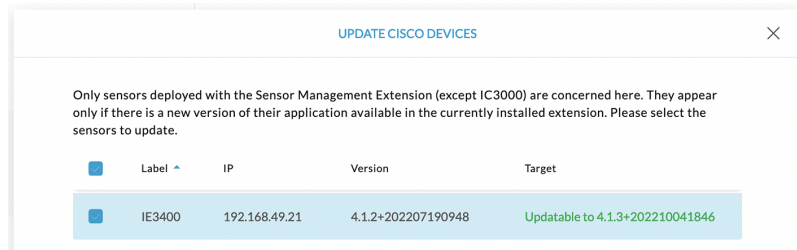
0 Selected

<input type="checkbox"/>	Label	IP Address	Version	Location	Health status
<input type="checkbox"/>	<b>FOLDER1</b>			Lyon	
<input type="checkbox"/>	<b>FOLDER2</b>			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.

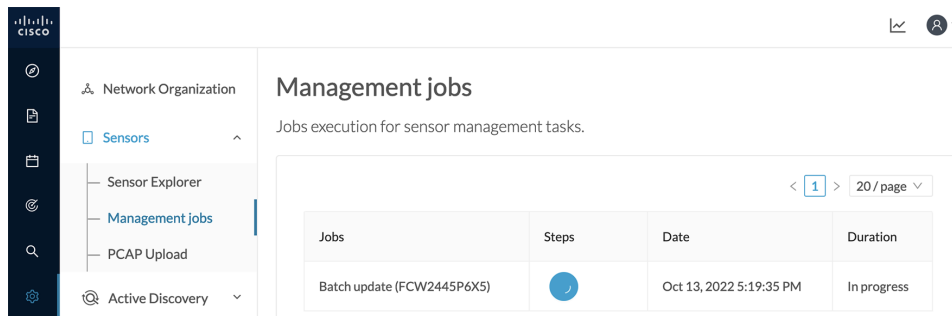


**Step 3** Select the sensors you want to update.

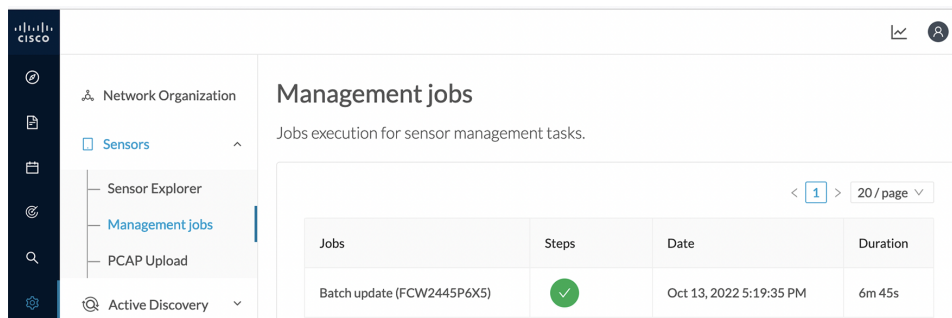


**Step 4** Click **Update**.

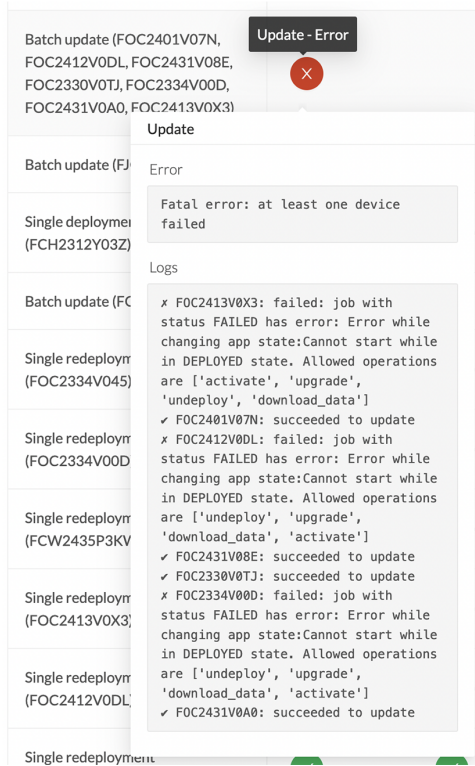
The sensors' update status appear in the Management jobs page in batches per sensor type and of maximum ten sensors per batch.



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.

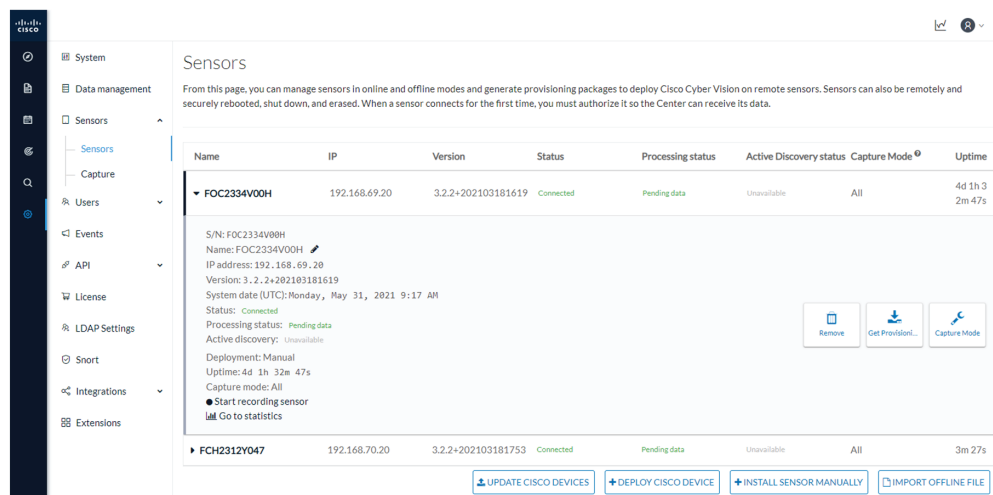


## Upgrade through the IOx Local Manager

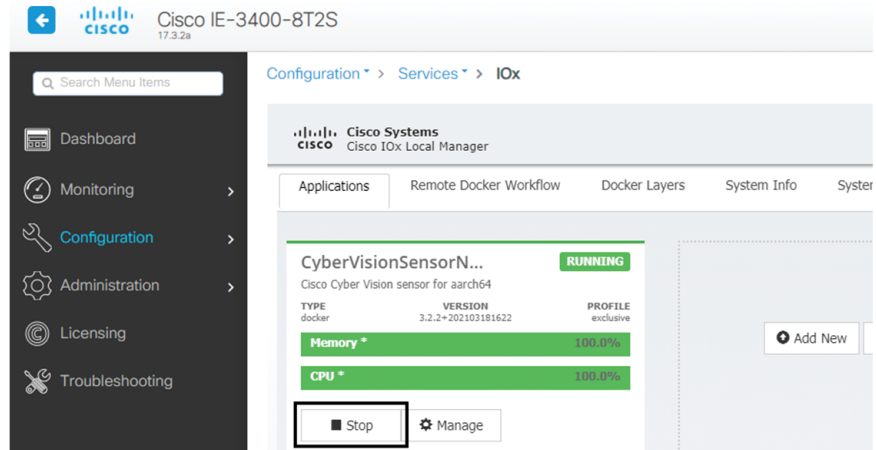
The following section explains how to upgrade the sensor through the IOx Local Manager.

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

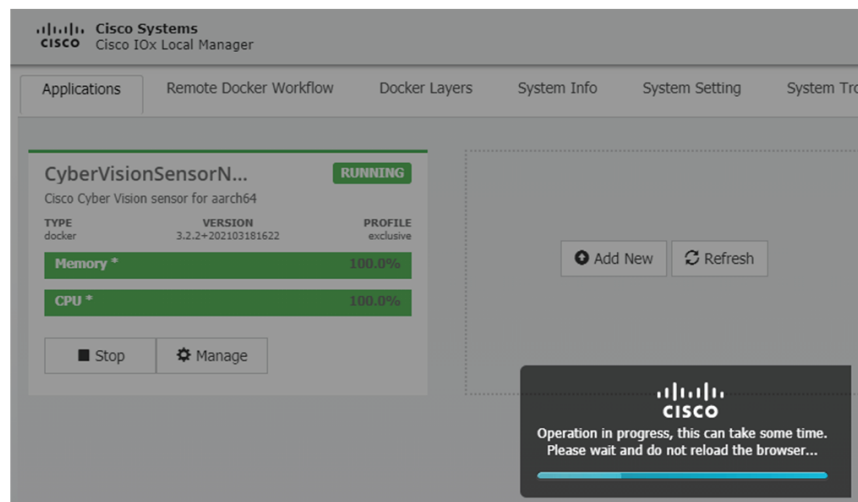
**Figure 1: The sensor in version 3.2.2 in the Sensors administration page of Cisco Cyber Vision**



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



The operation takes a few moments.



The application status switches to STOPPED.

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

**Sensors**

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	Disconnected	Disconnected	Unavailable	All	N/A
S/N: FOC2334V00H Name: FOC2334V00H IP address: 192.168.69.20 Version: 3.2.2+202103181619 System date (UTC): Monday, May 31, 2021 9:20 AM Status: <b>Disconnected</b> Processing status: Disconnected Active discovery: Unavailable Deployment: Manual Capture mode: All Go to statistics							
FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	10m

[UPDATE CISCO DEVICES](#)
[+ DEPLOY CISCO DEVICE](#)
[+ INSTALL SENSOR MANUALLY](#)
[IMPORT OFFLINE FILE](#)

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

The application status moves to **DEPLOYED**.

4. Click **Upgrade**.

**CyberVisionSensorNetwork** **DEPLOYED**

Cisco Cyber Vision sensor for aarch64

TYPE	VERSION	PROFILE
docker	3.2.2+202103181622	exclusive

**Memory \*** 100.0%  
**CPU \*** 100.0%

Activate
  Upgrade
  Delete

The pop up Upgrade application appears.

**Upgrade application**

Application Id: **CyberVisionSensorNetwork**

Select Application Archive:  No file chosen

Preserve Application Data

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

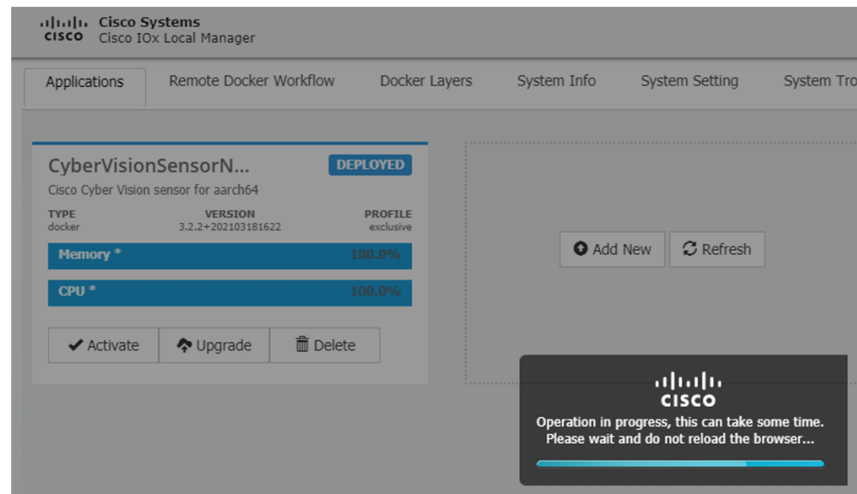
**Upgrade application**

Application Id: **CyberVisionSensorNetwork**

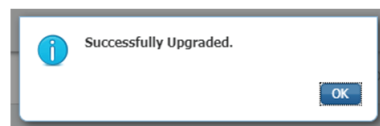
Select Application Archive:  CiscoCyber...h64-3.2.3.tar

Preserve Application Data

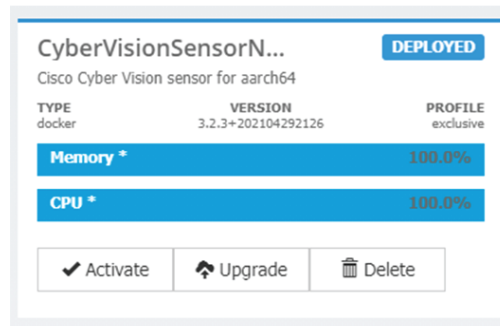
The operation takes a few moments.



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.
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.

- System
- Data management
- Sensors
  - Sensors
  - Capture
- Users
- Events
- API
- License
- LDAP Settings
- Short
- Integrations
- Extensions

## Sensors

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 <sup>6</sup>	Uptime
▼ FOC2334V00H	192.168.69.20	3.2.3+202104292032	Connected	Pending data	Unavailable	All	4d 1h 49m
<div style="font-size: 0.8em;"> <p>S/N: FOC2334V00H</p> <p>Name: FOC2334V00H </p> <p>IP address: 192.168.69.20</p> <p>Version: 3.2.3+202104292032</p> <p>System date (UTC): Monday, May 31, 2021 9:33 AM</p> <p>Status: Connected</p> <p>Processing status: Pending data</p> <p>Active discovery: Unavailable</p> <p>Deployment: Manual</p> <p>Uptime: 4d 1h 49m</p> <p>Capture mode: All</p> <p>● Start recording sensor</p> <p>📊 Go to statistics</p> </div> <div style="text-align: right; margin-top: 5px;"> <span style="border: 1px solid #ccc; padding: 2px 5px; margin-right: 5px;">Remove</span> <span style="border: 1px solid #ccc; padding: 2px 5px; margin-right: 5px;">Get Provision...</span> <span style="border: 1px solid #ccc; padding: 2px 5px;">Capture Mode</span> </div>							
▶ FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	19m 34s

UPDATE CISCO DEVICES
+ DEPLOY CISCO DEVICE
+ INSTALL SENSOR MANUALLY
IMPORT OFFLINE FILE