



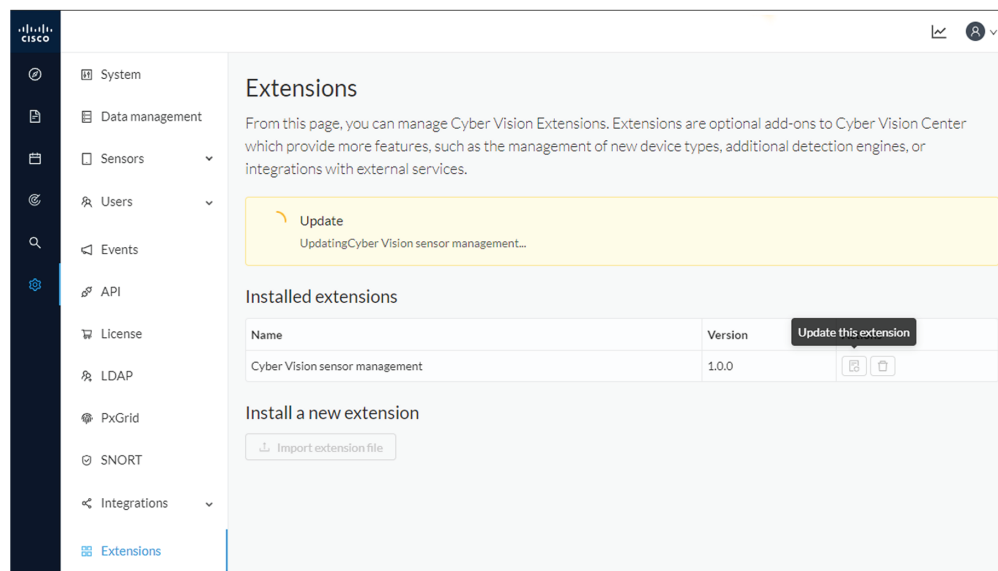
Upgrade procedures

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Upgrade through the Cisco Cyber Vision sensor management extension

To update IOx sensors, you just need to update the Cisco Cyber Vision sensor management extension.

To do so, navigate to the Extensions administration page and click the **Update this extension** button to browse the new version of the extension file.



Cisco Cyber Vision will attempt to update all IOx sensors. This will take a moment. Update advancements are visible in the [Management jobs](#). A job will be created for each sensor.

If a sensor update fails, check the management jobs error messages to have more information, and use the **Update Cisco Devices** button.

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

The screenshot shows the Cisco Cyber Vision Sensors administration page. The left sidebar contains navigation options: System, Data management, Sensors, Capture, Users, Events, API, License, LDAP Settings, Snort, Integrations, and Extensions. The main content area is titled 'Sensors' and includes a 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 27s
FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	3m 27s

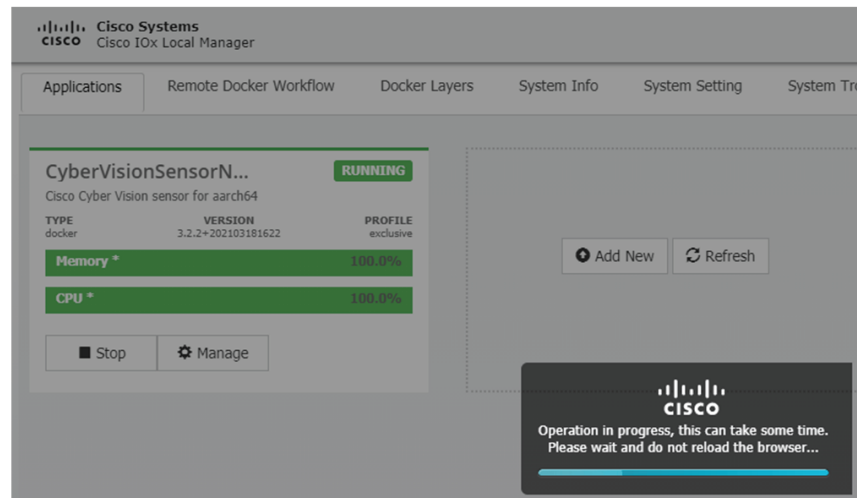
Below the table, there are buttons for 'UPDATE CISCO DEVICES', 'DEPLOY CISCO DEVICE', 'INSTALL SENSOR MANUALLY', and 'IMPORT OFFLINE FILE'. The details for the selected sensor (FOC2334V00H) are shown below:

- 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

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

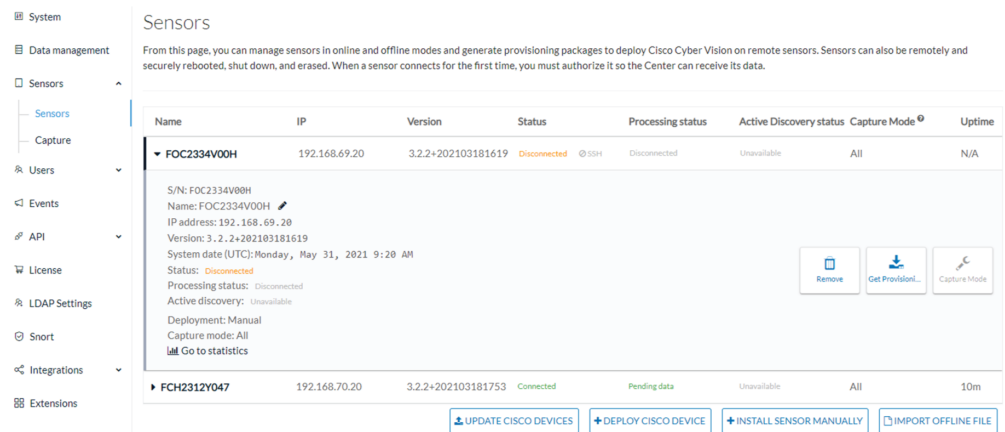
The screenshot shows the Cisco IOx Local Manager configuration page. The breadcrumb navigation is 'Configuration > Services > IOx'. The page title is 'Cisco Systems Cisco IOx Local Manager'. The left sidebar contains navigation options: Dashboard, Monitoring, Configuration, Administration, Licensing, and Troubleshooting. The main content area shows the configuration for the 'CyberVisionSensorN...' application, which is currently 'RUNNING'. The application is a 'docker' type with version '3.2.2+202103181622' and profile 'exclusive'. The memory and CPU usage are both at 100.0%. There are buttons for 'Stop' and 'Manage'.

The operation takes a few moments.



The application status switches to STOPPED.

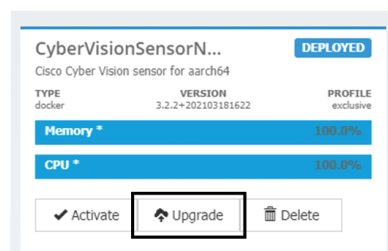
In Cisco Cyber Vision, the sensor status switches to Disconnected.



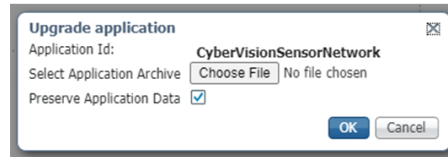
3. In the IOx Local Manager, click the **Deactivate** button.

The application status moves to DEPLOYED.

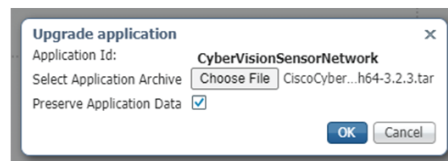
4. Click **Upgrade**.



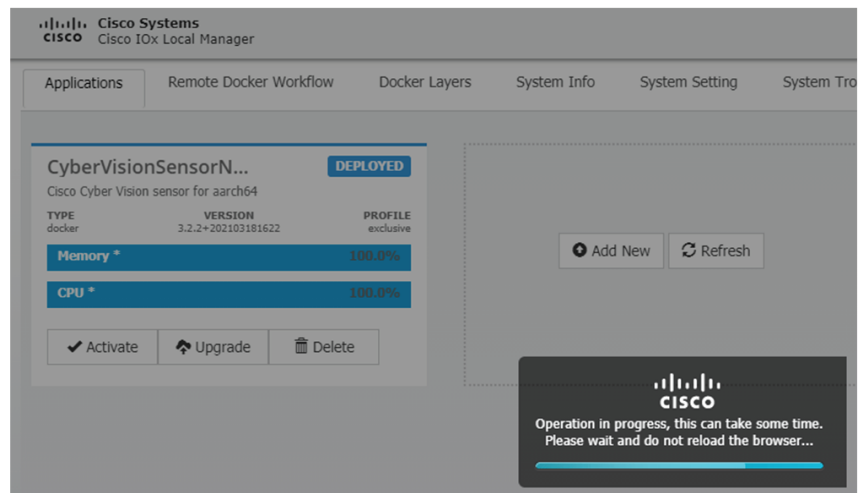
The pop up Upgrade application appears.



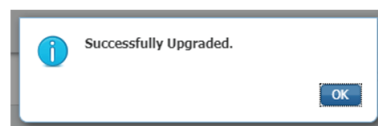
5. Select the **Preserve Application Data** option.
6. Select the new version of the application archive file.
e.g. CiscoCyberVision-IOx-aarch64-3.2.3.tar



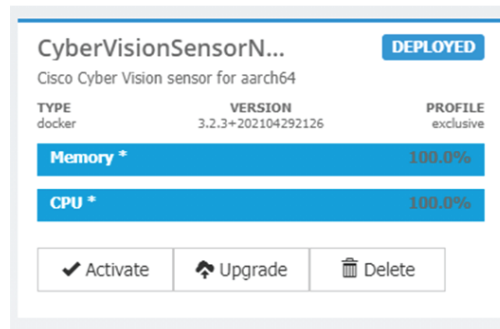
The operation takes a few moments.



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 (IE3x00 or Catalyst 9300) 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.

The screenshot shows the 'Sensors' management page. On the left is a navigation menu with items like System, Data management, Sensors, Users, Events, API, License, LDAP Settings, Snort, Integrations, and Extensions. The main content area has a title 'Sensors' and a brief description. Below is a table with columns: Name, IP, Version, Status, Processing status, Active Discovery status, Capture Mode, and Uptime. Two sensors are listed: FOC2334V00H and FCH2312Y047. The details for FOC2334V00H are expanded, showing S/N, Name, IP address, Version, System date, Status (Connected), Processing status (Pending data), Active discovery (Unavailable), Deployment (Manual), Uptime (4d 1h 49m), and Capture mode (All). At the bottom of the table are four buttons: 'UPDATE CISCO DEVICES', 'DEPLOY CISCO DEVICE', 'INSTALL SENSOR MANUALLY', and 'IMPORT OFFLINE FILE'.

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 49m
FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	19m 34s

