



Certificate renewal

The certificates generated by Cisco Cyber Vision have a validity of two years.

Sensor certificates must be renewed manually. The procedure used differs whether the certificate is already expired or not and whether the sensor has been deployed using the sensor management extension.

- If the certificate is still valid, refer to [Sensor certificate renewal, on page 1](#).
- If the sensor was deployed with the sensor management extension, refer to [Sensor certificate renewal, on page 1](#).
- If the certificate is outdated, and was deployed manually, refer to [Sensor certificate renewal through the Local Manager, on page 5](#).
- [Sensor certificate renewal, on page 1](#)
- [Sensor certificate renewal through the Local Manager, on page 5](#)

Sensor certificate renewal

The following procedure applies to:

- Sensors deployed with the sensor management extension, whether the certificate expiration date is exceeded or not (i.e. the deployment method is indicated in the sensor's right side panel).

The screenshot shows the 'Sensor Explorer' interface. At the top right, there is a red notification banner that says 'System issues Actions required'. Below this, the main content area is split into two panels. The left panel, titled 'Sensor Explorer', contains a message: 'From this page, you can explore and manage sensors and sensors folders. Sensors are automatically discovered and added to the list. When a sensor connects for the first time, you must authorize it so that it can be managed.' Below this is a yellow alert box: '2 sensor certificates expired'. There are three buttons: 'Install sensor', 'Manage Cisco devices', and 'Organize'. A section titled 'Folders and sensors (3)' includes a filter dropdown, '0 Selected', 'Move selection to', and 'More Actions'. A table lists three sensors:

<input type="checkbox"/>	Label	IP Address	Version
<input type="checkbox"/>	FCH2309Y01Z	192.168.49.23	4.2.2+202306261711
<input type="checkbox"/>	FCW2445P6X5	192.168.49.21	4.2.2+202306261519
<input type="checkbox"/>	FOC2330V0T0	192.168.49.41	4.2.2+202306261519

The right panel shows details for sensor 'FOC2330V0T0'. It includes fields for Label, Serial Number, IP address, Version, and System date. The 'Deployment' field is highlighted with a red box and contains the text 'Sensor Management Extension'. Other fields include 'Active Discovery: Unavailable' and 'Capture mode: All'. The 'System Health' section shows 'Status: Connected', 'Processing status: Normally processing', and 'Uptime: 18 hours'. There are buttons for 'Go to statistics', 'Start Recording', 'Move to', 'Capture mode', 'Redeploy', and 'Uninstall'.

- In the case of sensors deployed manually, it only applies if the sensors certificate have not expired yet (i.e. the sensor certificate status is Expire Soon).

If sensors have been deployed manually and the certificate expiration date is exceeded, refer to [Sensor certificate renewal through the Local Manager, on page 5](#).

Procedure

Step 1

In Cisco Cyber Vision, navigate to Admin > Sensors > Sensor Explorer or click the top banner alert to access the Sensor Explorer page directly.

The screenshot shows a notification alert in the Sensor Explorer interface. The alert is a white box with a red 'X' icon and contains the text: '2 sensors certificates expired. Please renew them in: [Sensor explorer](#)'. Above the alert is a red notification banner that says 'System issues Actions required'.

Another alert is displayed.

The screenshot shows the Cisco Sensor Explorer interface. At the top right, there is a red notification box that says "System Issues Actions required". Below this, the main heading is "Sensor Explorer". A yellow warning banner states "2 sensor certificates expired and 1 will expire soon" with a "Manage certificates" link. Below the banner are three action buttons: "Install sensor", "Manage Cisco devices", and "Organize". The main content area is titled "Folders and sensors (3)" and contains a table with columns for Label, IP Address, Version, Location, Health status, and Processing status. The table lists three sensors: FCH2309Y01Z, FCW2445P6X5, and FOC2330V0T0, all with a health status of "Connected" and processing status of "Normally pro".

Step 2 Click **Manage certificates** in the alert or **Manage Cisco devices** > **Manage certificates**.

This screenshot shows the same Cisco Sensor Explorer interface as the previous one, but with the "More Actions" dropdown menu open. The "Manage certificates" option is highlighted with a black box. The other options in the dropdown are "Update Cisco devices" and "Manage credentials". The "Manage certificates" option is also highlighted with a black box in the main interface. The table below the dropdown shows the same three sensors as in the previous screenshot.

The **Manage sensors certificates** window opens.

MANAGE SENSORS CERTIFICATES

Select a sensor to renew its certificate.
If a sensor cannot be selected, it means that its certificate cannot be renewed automatically.

Filter

Certificate status is Expired × Certificate status is Expiring Soon ×

	Sensor Label	IP	Certificate Status	Expiration Date
<input type="radio"/>	FCH2309Y01Z	192.168.49.23	Expired	Jul 2, 2023
<input type="radio"/>	FOC2330V0T0	192.168.49.41	Expired	Jul 2, 2023
<input checked="" type="radio"/>	FCW2445P6X5	192.168.49.21	Expiring Soon	Jul 14, 2023

Cancel Renew certificate

Step 3 Select the sensor with the status Expiring Soon.

Step 4 Click **Renew certificate**.

MANAGE SENSORS CERTIFICATES

Select a sensor to renew its certificate.
If a sensor cannot be selected, it means that its certificate cannot be renewed automatically.

The certificate has been successfully renewed. ×

Filter

Certificate status is Expired × Certificate status is Expiring Soon ×

	Sensor Label	IP	Certificate Status	Expiration Date
<input type="radio"/>	FOC2330V0T0	192.168.49.41	Expired	Jul 2, 2023
<input type="radio"/>	FCH2309Y01Z	192.168.49.23	Expired	Jul 2, 2023
<input type="radio"/>	FCW2445P6X5	192.168.49.21	Valid	Sep 3, 2025

Cancel Renew certificate

The certificate is renewed and automatically sent to the sensor. Its status switches to Valid and the new expiration date appears.

Sensor certificate renewal through the Local Manager

In case of certificate expiration, communication with the sensor is no longer possible if it was deployed manually (i.e. without the sensor management extension). In this case, the certificate is renewed by sending it to the sensor manually. As the certificate is part of the provisioning package, the action consists in generating the provisioning package and sending it to the sensor application through the Local Manager.

The screenshot displays the 'Sensor Explorer' interface for a sensor labeled 'FCH2309Y01Z'. A notification at the top indicates '1 sensor certificate expired'. The interface includes a table of folders and sensors, and a detailed view of the selected sensor with various management actions.

Notification: 1 sensor certificate expired

Actions: Install sensor, Manage Cisco devices, Organize

Folders and sensors (3)

Label	IP Address	Version
FCH2309Y01Z	192.168.49.23	4.2.2+202306261711
FCW2445P6X5	192.168.49.21	4.2.2+202306261519
FOC2330V0T0	192.168.49.41	4.2.2+202306261519

Sensor Details (FCH2309Y01Z):

- Label: FCH2309Y01Z
- Serial Number: FCH2309Y01Z
- IP address: 192.168.49.23
- Version: 4.2.2+202306261711
- System date: Jul 6, 2023 11:28:44 AM
- Deployment: Manual
- Active Discovery: Disabled
- Capture mode: All

System Health: Status: Connected, Processing status: Normally processing, Uptime: 18 hours

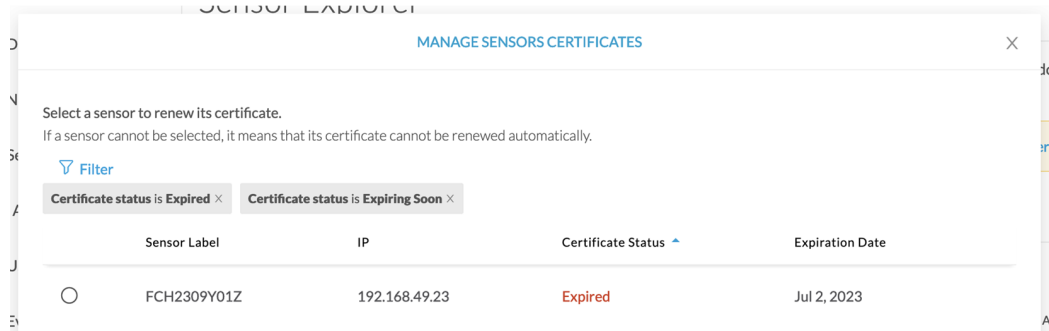
Actions: Go to statistics, Start Recording, Move to, Download package, Capture mode, Enable IDS, Reboot, Shutdown, Uninstall

Procedure

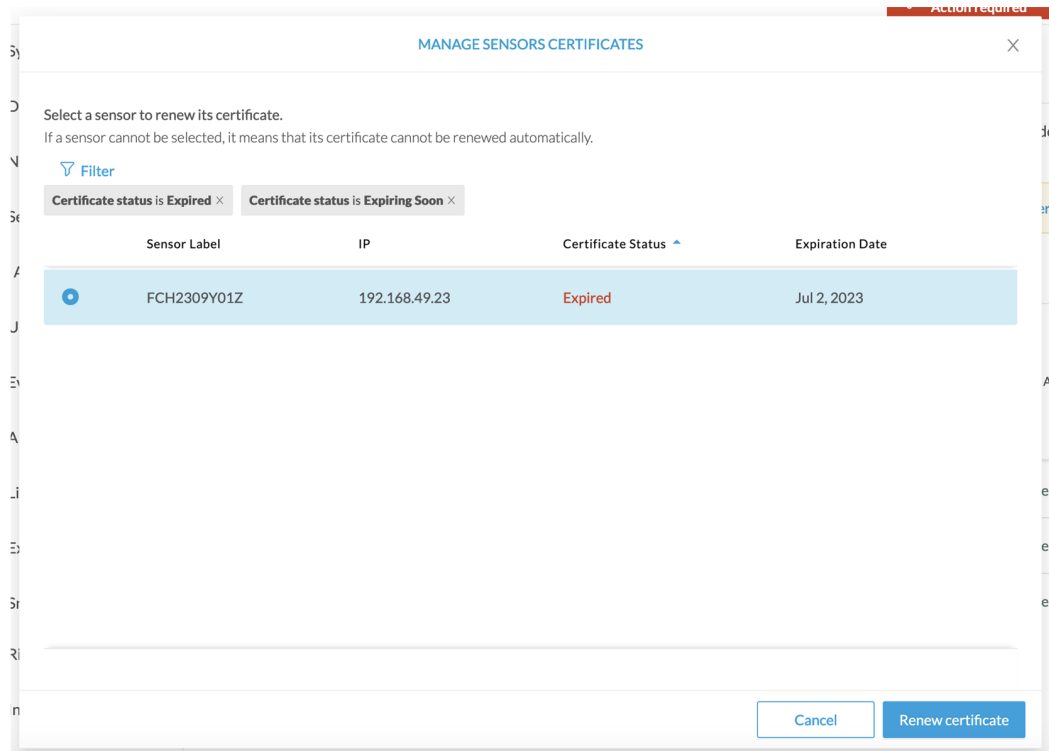
Step 1 In Cisco Cyber Vision, navigate to Admin > Sensors > Sensor Explorer.

Step 2 Click **Manage Certificates**.

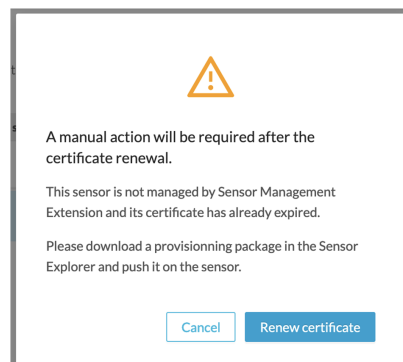
The Manage sensors certificates window appears.



Step 3 Select the sensor and click **Renew Certificate**.



A message is displayed.



Step 4 Click **Renew certificate** again.

The sensor certificate status appears as valid.

Sensor Label	IP	Certificate Status	Expiration Date
FCW2445P6X5	192.168.49.21	Valid	Sep 3, 2025
FOC2330V0T0	192.168.49.41	Valid	Sep 3, 2025
FCH2309Y01Z	192.168.49.23	Valid	Sep 3, 2025

Step 5 Close the Manage sensors certificates window.

The sensor's health and processing status appear as Disconnected.

Sensor Explorer

From this page, you can explore and manage sensors and sensors folders. Sensors can 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.

[+ Install sensor](#) [Manage Cisco devices](#) [Organize](#)

Folders and sensors (3)

[Filter](#) 0 Selected Move selection to [More Actions](#) As of: Jul 6, 2023 11:41 AM [Refresh](#)

<input type="checkbox"/>	Label	IP Address	Version	Location	Health status	Processing status	Active Di
<input type="checkbox"/>	FCH2309Y01Z	192.168.49.23	4.2.2+202306261711		Disconnected	Disconnected	Disa
<input type="checkbox"/>	FCW2445P6X5	192.168.49.21	4.2.2+202306261519		Connected	Normally processing	Unav
<input type="checkbox"/>	FOC2330V0T0	192.168.49.41	4.2.2+202306261519		Connected	Normally processing	Unav

Step 6 Click the sensor in the list.

Its right side panel opens.

Step 7 Click the **Download package** button.

The screenshot shows the 'Sensor Explorer' interface. On the left, there's a list of sensors under 'Folders and sensors (3)'. The table below shows the details for three sensors:

<input type="checkbox"/>	Label	IP Address	Version	Lo
<input type="checkbox"/>	FCH2309Y01Z	192.168.49.23	4.2.2+202306261711	
<input type="checkbox"/>	FCW2445P6X5	192.168.49.21	4.2.2+202306261519	
<input type="checkbox"/>	FOC2330V0T0	192.168.49.41	4.2.2+202306261519	

On the right, the details for sensor 'FCH2309Y01Z' are shown. The 'System Health' section indicates the sensor is 'Disconnected' with a 'Processing status' of 'Disconnected' and 'Uptime: N/A'. A red box highlights the 'Download package' button in the actions menu.

Step 8**Step 9**

Import the provisioning package in the Local Manager. To do so, refer to [Import the provisioning package](#)

Step 10

The sensor's health status switches to Connected and its processing status to Normally processing.



Sensor Explorer

From this page, you can explore and manage sensors and sensors folders. Sensors can 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.

[+ Install sensor](#) [🔗 Manage Cisco devices](#) [📁 Organize](#)

Folders and sensors (3)

[Filter](#) 0 Selected Move selection to [More Actions](#) As of: Jul 6, 2023 11:56 AM [Refresh](#)

<input type="checkbox"/>	Label	IP Address	Version	Location	Health status	Processing status	Active Di
<input type="checkbox"/>	⇒ FCH2309Y01Z	192.168.49.23	4.2.2+202306261711		Connected	Normally processing	Disal
<input type="checkbox"/>	⇒ FCW2445P6X5	192.168.49.21	4.2.2+202306261519		Connected	Normally processing	Unav
<input type="checkbox"/>	⇒ FOC2330V0T0	192.168.49.41	4.2.2+202306261519		Connected	Normally processing	Unav

