

# Maintenance

- Upgrade procedures, on page 1
- Certificate renewal, on page 8

# **Upgrade procedures**

## Upgrade through the Cisco Cyber Vision sensor management extension

Before updating sensors, the Cisco Cyber Vision sensor management extension must be up-to-date.

### 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.

. Sensors			
<ul> <li>Sensor Explorer</li> </ul>	Extensions		
<ul> <li>Management jobs</li> </ul>	From this page, you can manage Cyber Visio		
<ul> <li>PCAP Upload</li> </ul>	Vision Center which provide more features, detection engines, or integrations with exter	•	ew device types, additional
	0,,,		
Q Active Discovery	V Update		
冬 Users	V Uploading Please do not quit or refresh the	page.	
⊲ Events	Installed extensions		
o <sup>gr</sup> API	~ Name	Version	Actions
	Cyber Vision sensor management	4.1.2	⊖ Update 📋 Remov
₩ License	-,		

### 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.

ılı.ılı. cısco									
Ø	া System		Sens	or Ex	plor	er			
ß	Data Management	~	From this	2222 1/211 0		are and manage co	ncore and concore fol	ders. Sensors can be remo	
Ë,	🚴 Network Organizati	on				o the Center can re		ders. Sensors can bereine	Stely and securely re
¢	Sensors	^		stall sensor	រ៉េរ៉ м	lanage Cisco device	es 🗧 Organize		
۹	<ul> <li>Sensor Explorer</li> </ul>		Folde	rs and ser	្លប	pdate Cisco devic	es		
\$	<ul> <li>Management jobs</li> </ul>		_			lanage credentials			
	<ul> <li>PCAP Upload</li> </ul>		7 Filte	er 0 Se	lected	MOVE SELECTION	More Actions	$\sim$	
	🔅 Active Discovery	~		Label		IP Address	Version	Location	Health status 🕕 🔻
	冬 Users	~		Fold	ER1			Lyon	
				Fold	ER2			Paris	
	ନ୍ଧ API	~		📼 IC300	10	192.168.49.23	4.1.1+20220516	1124	Connected
	'⊋ License			📼 IE340	0	192.168.49.21	4.1.2+20220719	0948	Connected

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

I

			UPDATE CISCO DEVICES		×
	ere is a new ve			00) are concerned here. They appear stalled extension. Please select the	ci Ci
	Label 🔷	IP	Version	Target	
	IE3400	192.168.49.21	4.1.2+202207190948	Updatable to 4.1.3+202210041846	

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

			UPDATE CISCO DEVICES		×
				3000) are concerned here. They appear installed extension. Please select the	
sensors	to update.		,		
sensors	to update. Label 🔦	IP	Version	Target	

#### 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.

uluilu cisco					<u>⊢</u> ⊗ √
Ø	& Network Organization	Management jobs			
Ē	Sensors ^	Jobs execution for sensor manageme	nt tasks.		
¢	<ul> <li>Sensor Explorer</li> </ul>			< 1	$>$ 20/page $\vee$
	<ul> <li>Management jobs</li> </ul>	Jobs	Steps	Date	Duration
۹	— PCAP Upload				
¢	Q Active Discovery ~	Batch update (FCW2445P6X5)	$\bigcirc$	Oct 13, 2022 5:19:35 PM	In progress

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

uluulu cisco					<u>⊬</u> 8×
Ø	& Network Organization	Management jobs			
Ê	Sensors ^	Jobs execution for sensor managem	ent tasks.		
	<ul> <li>— Sensor Explorer</li> </ul>			< 1	20/page ∨
¢	— Management jobs	Jobs	Steps	Date	Duration
Q	— PCAP Upload	JODS	Steps	Date	Duration
¢	Q Active Discovery ×	Batch update (FCW2445P6X5)	$\checkmark$	Oct 13, 2022 5:19:35 PM	6m 45s

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

Batch update (FO FOC2412V0DL, F FOC2330V0TJ, FO FOC2431V0A0, F	OC2431V08E, DC2334V00D,
Batch update (FJ	Error
Single deploymer (FCH2312Y03Z)	Fatal error: at least one device failed
	Logs
Batch update (FC	x FOC2413V0X3: failed: job with status FAILED has error: Error while
Single redeploym (FOC2334V045)	<pre>changing app state:Cannot start while in DEPLOYED state. Allowed operations are ['activate', 'upgrade', 'undeploy', 'download_data']</pre>
Single redeploym (FOC2334V00D	<ul> <li>F0C2401V07N: succeeded to update</li> <li>F0C2412V0DL: failed: job with</li> <li>status FAILED has error: Error while</li> <li>changing app state:Cannot start while</li> </ul>
Single redeploym (FCW2435P3KV	in DEPLOYED state. Allowed operations are ['undeploy', 'upgrade', 'download_data', 'activate'] <pre>/ F0C2431V08E: succeeded to update</pre>
Single redeploym (FOC2413V0X3)	<ul> <li>FOC2330V07J: succeeded to update</li> <li>x FOC2334V00D: failed: job with</li> <li>status FAILED has error: Error while</li> <li>changing app state:Cannot start while</li> </ul>
Single redeploym (FOC2412V0DL)	<pre>in DEPLOYED state. Allowed operations are ['undeploy', 'upgrade', 'download_data', 'activate'] ✓ F0C2431V0A0: succeeded to update</pre>
Single redeployme	anu

## **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* 

5								₩
🖽 System	Sensors							
E Data management							ors. Sensors can also be remo	tely and
Sensors	securely rebooted, shut do	own, and erased. When a sen	nsor connects for the first tim	e, you must authori	ze it so the Center can receiv	ve its data.		
- Sensors	Name	IP	Version	Status	Processing status	Active Discove	ery status Capture Mode <sup>@</sup>	Uptir
- Capture								4d 1
A Users	▼ FOC2334V00H	192.168.69.20	3.2.2+202103181619	Connected	Pending data	Unavailable	All	2m 4
⊂ Events	S/N: F0C2334V00H Name: F0C2334V0	он 🖌						
ø <sup>a</sup> API	<ul> <li>IP address: 192.168</li> <li>Version: 3.2.2+202</li> </ul>	.69.20						
₩ License	System date (UTC): N Status: Connected	Nonday, May 31, 2021 9:	17 AM					
ℜ LDAP Settings	Processing status: P Active discovery: Ur						Remove Get ProvisionI	Capture Mod
⊙ Snort	Deployment: Manua Uptime: 4d 1h 32m							
∝ Integrations	Capture mode: All     Start recording ser	isor						
器 Extensions	Lall. Go to statistics							
	• FCH2312Y047	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	3m 2

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

Q Search Menu Items		Configuration * >	Services > IOx			
🔜 Dashboard		cisco Cisco	<b>Systems</b> IOx Local Manager			
Monitoring	>	Applications	Remote Docker Workf	low Docker Layers	System Info	Syste
Configuration	>					
O Administration	>	Cisco Cyber Visi	on sensor for aarch64	RUNNING		
C Licensing		TYPE docker Memory *	VERSION 3.2.2+202103181622	PROFILE exclusive 100.0%	• Add	l New
K Troubleshooting		CPU *		100.0%		
		Stop	🌣 Manage			

The operation takes a few moments.

Applications	Remote Docker Workflow	Docker Layers	System Info	System Setting	Sys
3	onSensorN	RUNNING			
TYPE docker	VERSION 3.2.2+202103181622	PROFILE exclusive			
Memory *		100.0%	• Add N	lew C Refresh	
CPU *		100.0%			
Stop	🌣 Manage				
				CISCO	

The application status switches to STOPPED.

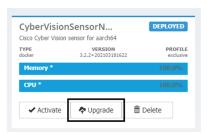
In Cisco Cyber Vision, the sensor status switches to Disconnected.

I System		Sensors							
Data management		From this page, you can manage securely rebooted, shut down, and						sors. Sensors can also be rer	notely and
Sensors	^				.,,				
- Sensors		Name	IP	Version	Status	Processing status	Active Disco	very status Capture Mode <	• Uptim
<ul> <li>Capture</li> </ul>		▼ FOC2334V00H	192.168.69.20	3.2.2+202103181619	Disconnected	SSH Disconnected	Unavailable	All	N/A
A Users	<b>~</b>								
디 Events		S/N: F0C2334V00H Name: F0C2334V00H IP address: 192, 168, 69, 20							
Ø API	~	Version: 3.2.2+202103181							
₽ License		System date (UTC): Monday, Status: Disconnected Processing status: Disconnec Active discovery: Unavailable	ted	АМ				Remove	Capture Mode
LDAP Settings		Deployment: Manual							
I Snort		Capture mode: All							
S Integrations	~								
8 Extensions		<ul> <li>FCH2312Y047</li> </ul>	192.168.70.20	3.2.2+202103181753	Connected	Pending data	Unavailable	All	10m
La catalona de la				± UPDATE C		+ DEPLOY CISCO DEVICE	+ INSTALL SENS		RT OFFLINE FIL

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

Upgrade application	×
Application Id:	CyberVisionSensorNetwork
Select Application Archive	Choose File CiscoCyberh64-3.2.3.tar
Preserve Application Data	$\checkmark$
	OK Cancel

The operation takes a few moments.

L

Remote Docker	Workflow	Docker Layers	System Info	System Setting	System T
SensorN sensor for aarch64	DEPI	LOYED			
VERSION 3.2.2+20210318162		PROFILE exclusive			
	10	0.0%	O Add	New C Refresh	
	10	0.0%			
Upgrade	葿 Delete		_		
				rogress, this can take s	
	Sensor for aarch64 version 3.2.2+20210318162	sensor for aarch64 VERSION 3.2.2+202103181622 10	SensorN DEPLOYED sensor for aarch64 VERSION PROFILE a.2.2+202103181622 exclusive 1000.0%	ISENSORN Sensor for aarch64 VERSION 3.2.2+202103181622 IOD.0% ↓Upgrade	ISensorN DEPLOYED sensor for aarch64 VERSION 3.2.2+202103161622 exclusive 100.0% 100.0% ↓ Upgrade

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



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

CyberVisior Cisco Cyber Vision	DEPLOYED	
TYPE docker	VERSION 3.2.3+202104292126	PROFILE exclusive
Memory *		100.0%
CPU *		100.0%
✓ Activate	Upgrade	💼 Delete

- 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.

		Sensors							
Data management	it	From this page, you can manage securely rebooted, shut down, a						nsors. Sensors can also be remo	tely and
Sensors	^								
<ul> <li>Sensors</li> </ul>		Name	IP	Version	Status	Processing status	Active Disco	very status Capture Mode $\Theta$	Uptin
<ul> <li>Capture</li> </ul>									4d 1h
R Users	~	▼ FOC2334V00H	192.168.69.20	3.2.3+202104292032	Connected	Pending data	Unavailable	All	9m
⊲ Events		S/N: F0C2334V00H Name: F0C2334V00H	,						
<sup>p</sup> API	*	IP address: 192.168.69.2 Version: 3.2.3+20210429							
₽ License		System date (UTC): Monda	y, May 31, 2021 9:3	3 AM					
LDAP Settings		Status: Connected Processing status: Pending Active discovery: Unavailat						Remove	capture Mod
		Processing status: Pending							
<ul> <li>LDAP Settings</li> <li>Snort</li> <li>Integrations</li> </ul>	¥	Processing status: Pending Active discovery: Unavailat Deployment: Manual Uptime: 4d 1h 49m Capture mode: All							Capture Mode
∂ Snort	Ŷ	Processing status: Pending Active discovery: Unavailat Deployment: Manual Uptime: 4d 1h 49m							
) Snort 6 Integrations	×	Processing status: Pending Active discovery: Unavailat Deployment: Manual Uptime: 4d 1h 49m Capture mode: All • Start recording sensor		3.2.2+202103181753	Connected	Pending data	Unavailable		

# **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 8.
- If the sensor was deployed with the sensor management extension, refer to Sensor certificate renewal, on page 8.
- If the certificate is outdated, and was deployed manually, refer to Sensor certificate renewal through the Local Manager, on page 12.

### 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).

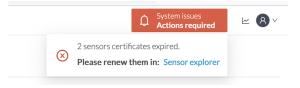
Sensor Explorer	FOC2330V0T0
rom this page, you can explore and manage sensors and sensors folders. Ser rased. When a sensor connects for the first time, you must authorize it so th	
△ 2 sensor certificates expired	Version: 4.2.2+202306261519 System date: Jul 6, 2023 11:26:00 AM
🕂 Install sensor ॥ Manage Cisco devices 🛛 信 Organize	Deployment: Sensor Management Extension Active Discovery: Unavailable Capture mode: All
Folders and sensors (3)	System Health Status: Connected
✓ Filter 0 Selected Move selection to More Actions ✓	Processing status: Normally processing Uptime: 18 hours
Label IP Address Version	🗠 Go to statistics
□ □ FCH2309Y01Z 192.168.49.23 4.2.2+202306261711	Start Recording
□ □ FCW2445P6X5 192.168.49.21 4.2.2+202306261519	Deve to
□ □ FOC2330V0T0 192.168.49.41 4.2.2+202306261519	🔧 Capture mode 🔗 Redeploy
	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 12.

#### Procedure

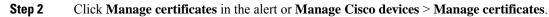
**Step 1** In Cisco Cyber Vision, navigate to Admin > Sensors > Sensor Explorer or click the top banner alert to access the Sensor Explorer page directly.



Another alert is displayed.

I

.ı ı.ı ı. cısco		Q System issues Actions required ⊮ ⊗ ∨
Ø	8 System	Sensor Explorer
	🗄 Data Management 💙	From this page, you can explore and manage sensors and sensors folders. Sensors can be remotely and securely rebooted,
Ë	& Network Organization	shut down, and erased. When a sensor connects for the first time, you must authorize it so the Center can receive its data.
¢	. Sensors 🗸	△ 2 sensor certificates expired and 1 will expire soon Manage certificates ×
Q	Q Active Discovery ~	🕂 Install sensor ျိန္ပို Manage Cisco devices 🛛 🖹 Organize
\$ \$	冬 Users ~	Folders and sensors (3)
	⊲ Events	√ Filter 0 Selected Move selection to More Actions  ✓ As of: Jul 6, 2023 11:25 AM
	a <sup>⊄</sup> API ~	Label IP Address Version Location Health status Processing status
	`⊒ License	□ ▷ FCH2309Y01Z 192.168.49.23 4.2.2+202306261711 Connected Normally pro
	ℜ External Authentic ×	□ □ FCW2445P6X5 192.168.49.21 4.2.2+202306261519 Connected Normally pro
	⊙ Snort	□ I FOC2330V0T0 192.168.49.41 4.2.2+202306261519 Connected Normally pro



Sensor Explorer From this page, you can explore and manage sensors and sensors folders. Sensors can be remotely and securely reboote shut down, and erased. When a sensor connects for the first time, you must authorize it so the Center can receive its dat ▲ 2 sensor certificates expired and 1 will expire soon ▲ 1 Install sensor ↓ Manage Cisco devices ▲ Install sensor ↓ Manage Cisco devices ▲ Manage credentials ↓ Filter				System issues Actions required	<u>⊬</u> 8 ∨
shut down, and erased. When a sensor connects for the first time, you must authorize it so the Center can receive its dat ▲ 2 sensor certificates expired and 1 will expire soon ▲ Install sensor %% Manage Cisco devices ▲ Install sensor %% Manage Cisco devices ▲ Update Cisco devices ▲ Manage credentials ▲ As of: Jul 6, 2023 11:26 AM	Sensor Exp	lorer			
← Install sensor <sup>1</sup> b <sup>2</sup> Manage Cisco devices           E Organize             Folders and sen           C Update Cisco devices           C Update Cisco devices             B Manage credentials           More Actions           As of: Jul 6, 2023 11:26 AM					
Folders and sen       Image credentials         Image Credentials       Image Actions Image As of: Jul 6, 2023 11:26 AM	▲ 2 sensor certificat	es expired and 1 will expire sc	on	Manage c	ertificates X
Folders and sen	+ Install sensor	ျိုိ Manage Cisco devices	🗧 Organize		
	Folders and sen				
		O Manage certificates			AM C

The Manage sensors certificates window opens.

		MANAG	E SENSORS CERTIFICATES	Actions	X
	nsor to renew its cer cannot be selected, it	tificate. means that its certificate cannot be ren	ewed automatically.		
𝒴 Filter					
Certificate	status is Expired $ imes$	Certificate status is Expiring Soon $\times$			
	Sensor Label	IP	Certificate Status 🗢	Expiration Date	
0	FCH2309Y012	Z 192.168.49.23	Expired	Jul 2, 2023	
0	FOC2330V0T	0 192.168.49.41	Expired	Jul 2, 2023	
0	FCW2445P6X	5 192.168.49.21	Expiring Soon	Jul 14, 2023	
				Cancel Renew cert	ificate

**Step 3** Select the sensor with the status Expiring Soon.

### Step 4 Click Renew certificate.

	cessfully renewed.			×
er status is Expired ×	Certificate status is Expiring Soon $\times$			
Sensor Label	IP	Certificate Status 🔶	Expiration Date	
FOC2330V0T0	192.168.49.41	Expired	Jul 2, 2023	
FCH2309Y01Z	192.168.49.23	Expired	Jul 2, 2023	
FCW2445P6X5	192.168.49.21	Valid	Sep 3, 2025	
	Sensor Label FOC2330V0T0 FCH2309Y01Z	Certificate status is Expiring Soon ×       Sensor Label     IP       FOC2330V0T0     192.168.49.41       FCH2309Y01Z     192.168.49.23	e status is Expired ×       Certificate status is Expiring Soon ×         Sensor Label       IP       Certificate Status ▲         FOC2330V0T0       192.168.49.41       Expired         FCH2309Y01Z       192.168.49.23       Expired	e status is Expired ×       Certificate status is Expiring Soon ×         Sensor Label       IP       Certificate Status ^       Expiration Date         FOC2330V0T0       192.168.49.41       Expired       Jul 2,2023         FCH2309Y01Z       192.168.49.23       Expired       Jul 2,2023

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.

	↓     System issues       ▲     Action required
Sensor Explorer	FCH2309Y01Z X
From this page, you can explore and manage sensors and sensors folders. Senso rased. When a sensor connects for the first time, you must authorize it so the C	
▲ 1 sensor certificate expired	Version: 4.2.2+202306261711 System date: Jul 6, 2023 11:28:44 AM
+ Install sensor 🕅 Manage Cisco devices 🛛 🗧 Organize	Deployment: Manual Active Discovery: Disabled Capture mode: All
Folders and sensors (3)	System Health Status: Connected
√ Filter 0 Selected Move selection to More Actions  ✓	Processing status: Normally processing Uptime: 18 hours
Label IP Address * Version Lo	🗠 Go to statistics
□ □ FCH2309Y01Z 192.168.49.23 4.2.2+202306261711	Start Recording
□ □ FCW2445P6X5 192.168.49.21 4.2.2+202306261519	Di Move to
□ □ FOC2330V0T0 192.168.49.41 4.2.2+202306261519	⊥ Download package     Capture mode
	◯ Enable IDS
	() 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.

			IJUI LAPIUICI			
С			MANAG	SE SENSORS CERTIFICATES		X
V	Select a sen	sor to renew its cer	tificate.			jc
56	lf a sensor c	annot be selected, it	means that its certificate cannot be rer	newed automatically.		er
~	√ Filter					
ŀ	Certificate	status is Expired $ imes$	Certificate status is Expiring Soon $\times$			
		Sensor Label	IP	Certificate Status 🗢	Expiration Date	
E	0	FCH2309Y012	Z 192.168.49.23	Expired	Jul 2, 2023	A

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

5)		MANA	GE SENSORS CERTIFICATES		×
C V	Select a sensor to renew its cert If a sensor cannot be selected, it V Filter	t <b>ificate.</b> means that its certificate cannot be re	enewed automatically.		
S€	Certificate status is Expired $\times$	Certificate status is Expiring Soon $\times$			
,	Sensor Label	IP	Certificate Status 🔶	Expiration Date	
1	• FCH2309Y012	2 192.168.49.23	Expired	Jul 2, 2023	
J					
E١					
.i					e
5					e
ir					-
Ri					
n				Cancel Renew	certificate

### A message is displayed.

A manual action will be required after the certificate renewal.
This sensor is not managed by Sensor Management Extension and its certificate has already expired.
Please download a provisionning package in the Sensor Explorer and push it on the sensor.
Cancel Renew certificate

**Step 4** Click **Renew certificate** again.

The sensor certificate status appears as valid.

5)	MANAGE SENSORS CERTIFICATES						
D	Select a sensor to renew its certificate. If a sensor cannot be selected, it means that its certificate cannot be renewed automatically. <b>V</b> Filter						
S€	Certificat	e status is Expired $ imes$	Certificate status is Expiring Soon $\times$				
		Sensor Label	IP	Certificate Status 🔦	Expiration Date		
4		FCW2445P6X5	192.168.49.21	Valid	Sep 3, 2025		l
E		FOC2330V0T0	192.168.49.41	Valid	Sep 3, 2025		A
E)		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.

HINSTALL SENSOR III Manage Cisco devices 🗧 Organize								
Folde	Folders and sensors (3)							
∑ Filt	er 0 Selected	Move selection to	More Actions $\vee$		As of	f: Jul 6, 2023 11:41 AM	Q	
	Label	IP Address	/ersion	Location	Health status 🔻 🛛	Processing status	Active Di	
	➡ FCH2309Y01Z	192.168.49.23	4.2.2+202306261711		Disconnected	Disconnected	Disa	
	➡ FCW2445P6X5	192.168.49.21	4.2.2+202306261519		Connected	Normally processing	Una	
	E 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.

	₩ 8
Sensor Explorer	FCH2309Y01Z
rom this page, you can explore and manage sensors and sensors folders. Sensor rased. When a sensor connects for the first time, you must authorize it so the C	Label: FCH2309Y01Z Serial Number: FCH2309Y01Z IP address: 192.168.49.23
🕂 Install sensor ျို Manage Cisco devices 🗧 Organize	Version: 4.2.2+202306261711 System date: Jul 6, 2023 11:36:49 AM Deployment: Manual
Folders and sensors (3)	Active Discovery: Disabled Capture mode: All
✓ Filter 0 Selected Move selection to More Actions ✓	System Health Status: Disconnected
Label IP Address Version Lo	Processing status: Disconnected Uptime: N/A
□	🗠 Go to statistics
□ □ FCW2445P6X5 192.168.49.21 4.2.2+202306261519	Move to
□	Download package     Discrete Control Contro Control Control Control Control Control Cont
	C Reboot
	⊖ Uninstall

### Step 8

**Step 9** 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.

•	nstall sensor 🎇 Ma	anage Cisco devices	Crganize				
Folders and sensors (3)							
∑ Filt	er 0 Selected	Move selection to	More Actions $\vee$		As	of: Jul 6, 2023 11:56 AM	Q
	Label	IP Address V	/ersion	Location	Health status 🔻	Processing status	Active Di:
	□ FCH2309Y01Z	192.168.49.23	4.2.2+202306261711		Connected	Normally processing	Disal
	□ FCW2445P6X5	192.168.49.21	4.2.2+202306261519		Connected	Normally processing	Unav
	📼 FOC2330V0T0	192.168.49.41	4.2.2+202306261519		Connected	Normally processing	Unav

<u>~</u> 8 √

Sensor certificate renewal through the Local Manager