

Procedure with the Local Manager

After the Initial configuration, proceed to the steps described in this section.

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- Import the provisioning package, on page 5

Access the IOx Local Manager

- 1. Open a browser and navigate to the IP address you configured on the interface you are connected to.
- 2. Log in using the Cisco IR8340 admin user account and password.



- 3. Once logged into the Local Manager, navigate to Configuration > Services > IOx.
- 4. Log in using the user account and password.

| For best results use a supported browser | |
|---|-----------------|
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Install the sensor virtual application

Once logged in, the following menu appears:

| cisco Systems Cisco Cisco IOx Local Manager | | | | | | | | |
|--|---------------|-------------|----------------|---------------------|--|--|--|--|
| Applications | Docker Layers | System Info | System Setting | System Troubleshoot | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | Add New | C Refresh | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- 1. Click Add New.
- 2. Add an Application id name (e.g. CCVSensor).
- 3. Select the application archive file



Note If you aim to install a sensor with Active Discovery, select the required application archive file



The installation takes a few minutes.



When the application is installed, the following message is displayed and the sensor application appears:



Generate the provisioning package

 In Cisco Cyber Vision, navigate to Admin > Sensors > Sensor Explorer and click Install sensor, then Manual install.



The manual install wizard appears.

2. Select Cisco IOx Application and click Next.



- 3. Fill the fields to configure the sensor provisioning package:
 - The serial number of the hardware.
 - Center IP: leave blank.
 - Gateway: add if necessary.
 - Optionally, select a capture mode.
 - Optionally, select RSPAN (only with Catalyst 9x00 and if using ERSPAN is not possible).

Configure provisioning package

| Please fill in the fields below to add configuration to the provisioning package to install. | |
|--|--|
| Sensor Application | |

| Serial number* | Center collection IP |
|---|--|
| Gateway | leave blank to use current collection IP |
| Capture mode | |
| • Optimal (default): analyze the most releva | ant flows |
| ○ All: analyze all the flows | |
| \bigcirc Industrial only: analyze industrial flow | S |
| O Custom: set your filter using a packet f | ilter in tcpdump-compatible syntax |
| Monitor session type | |

- ERSPAN: recommended choice for all devices
- $\bigcirc~$ RSPAN: use it only with Catalyst 9X00 and when using ERSPAN is not possible
- 4. Click Create sensor.

5. Click the link to download the provisioning package.



This will download the provisioning package which is a zip archive file with the following name structure: sbs-sensor-config-<serialnumber>.zip (e.g. "sbs-sensor-configFCW23500HDC.zip").

- 6. Click Finish.
- 7. A new entry for the sensor appears in the Sensor Explorer list.

The sensor status will switch from Disconnected to New.

| \bigtriangledown Filter | 0 Selected | Move selection | ito D | elete folders | | As of: Mar 20, 2024 1 | 10:57 AM | Q |
|---------------------------|------------|----------------|----------|-----------------|-------------------|-----------------------|----------|--------|
| erial Number | IP Address | Version | Location | Health status 🍷 | Processing status | * Active Discovery | Uptime | Templa |
| FOC27203W | (M) | | | New | Not enrolled | Unavailable | N/A | D |

Import the provisioning package

1. In the Local Manager, in the IOx configuration menu, click Manage.

| Applications | Docker Layers | System Info | System Setting |
|---------------------------------|--------------------|--------------------------|----------------------|
| | | | |
| CCVSensor Cisco Cyber Vision | sensor for aarch64 | | RUNNING |
| TYPE docker | 3.1.0+ | /ERSION -202004150638 | PROFILE exclusive |
| Memory * | | | 100.0% |
| CPU * | | | 100.0% |
| Stop | o ✿ M | lanage Jm | |

2. Navigate to App-DataDir.

| cisco Cisco IOx | Local Manager | | | | |
|------------------------------------|-------------------------------|---------|-------------|----------|--------|
| Applications | Docker Layers System | Info | System S | Setting | System |
| Resources | App-info App-Config | App- | DataDir | Logs | |
| ▼ Resources | | | _ | | |
| Resource Press | ofile | | | | |
| Profile: | exclusive 🔻 | | | | |
| CPU | 1155 | cpu-un | its | | |
| Memory | 862 | MB | | | |
| Disk | 128 | MB | | | |
| Avail. CPU (cpu | -units) 1155 Avail. Memory (| MB) 862 | Avail. Disl | (MB) 319 | |
| | | | | | |
| Advanced Set Application is | ettings currently running. | | | | |

3. Click Upload.

| cisco Systems Cisco IOx Local Manager | | | | | | | | | |
|--|---------------|------------|-------------|---------|---------------------|-----------|--|--|--|
| Applications | Docker Layers | System Ir | nfo System | Setting | System Troubleshoot | CCVSensor | | | |
| Resources | App-info | App-Config | App-DataDir | Logs | | | | | |
| Current Location: | -/ | | | | | | | | |
| Name | | | Туре | | Size | | | | |
| / | | | | | | | | | |
| O Upload | A Home | | | | | | | | |

- **4.** Choose the provisioning package downloaded (i.e. "sbs-sensor-config-FCW23500HDC.zip"), and add the exact file name in the path field (i.e. "sbs-sensor-config-FCW23500HDC.zip").
- 5. Click OK.



6. After a few seconds, the sensor appears as Connected in Cisco Cyber Vision.

| □ FCW2445P6X5 | 192.168.49.21 | 4.1.0+202202151440 | Connected | Pending data | Enabled | 4 days |
|---------------|---------------|--------------------|-----------|--------------|---------|--------|
| | | | | | | |