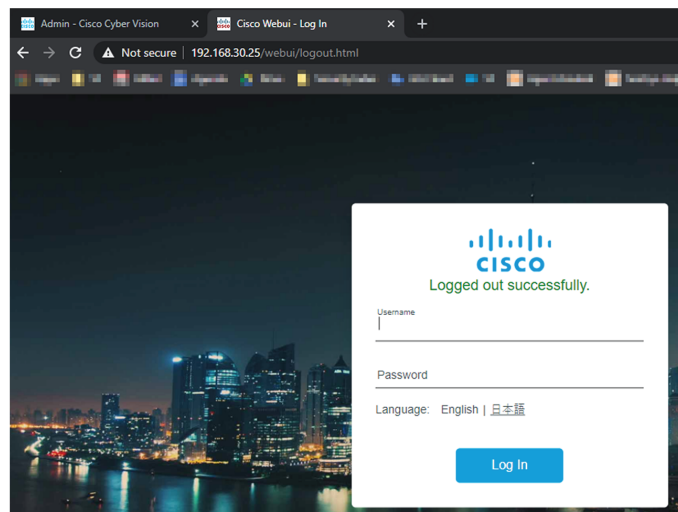# Procedure with the Local Manager

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

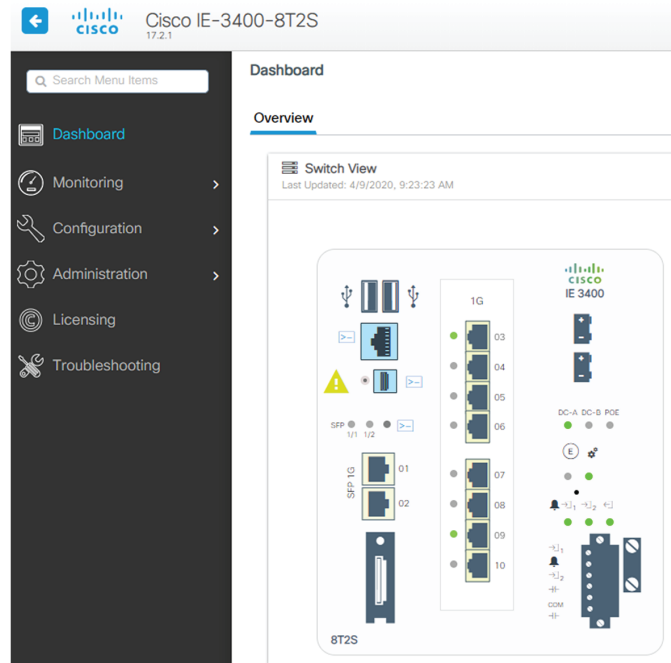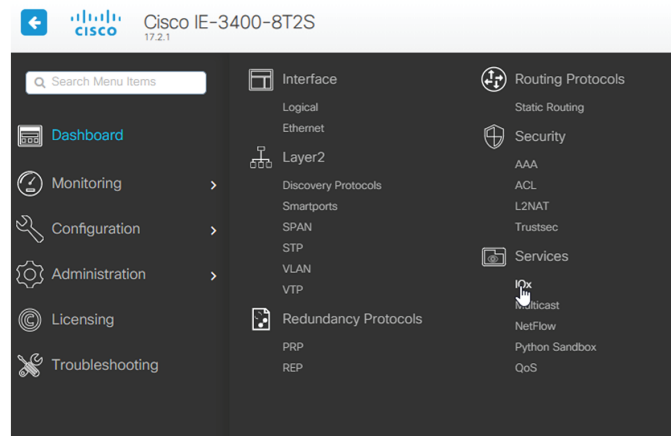# Access the Local manager

1. Open a browser and navigate to the IP address you configured on the interface you are connected to.

2. Log in using the Local Manager user account and password.

For example: Cisco IE3300 10G/IE3400

3. Once logged into the Local Manager, navigate to Configuration > Services > IOx.
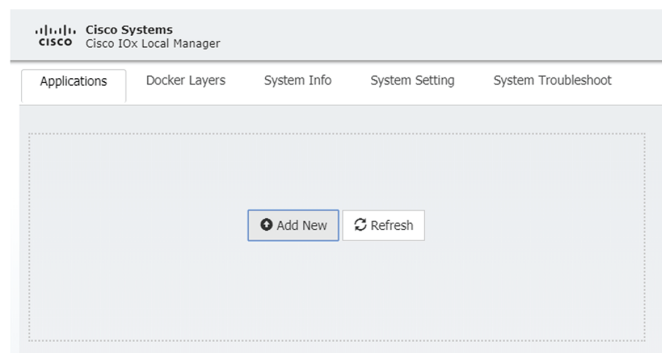
For example: Cisco IE3300 10G/IE3400
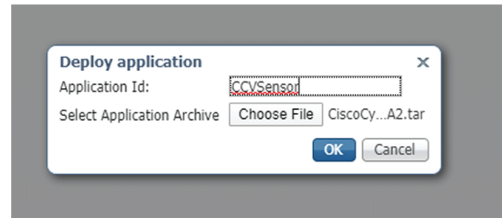

4. Log in using the user account and password.

Install the sensor virtual application

Once logged in, the following menu appears:

1. Click **Add New**.

2. Add an Application id name (e.g. CCVSensor).

3. Select the application archive file

   - "CiscoCyberVision-IOx-aarch64-xxx.tar" for the Cisco IE3300/IE3400/IE9300

   - "CiscoCyberVision-IOx-Active-Discovery-aarch64.tar" for the Cisco IE3300/IE3400/IE9300 with Active Discovery

   - "CiscoCyberVision-IOx-x86-64-xxx.tar" for the Cisco Catalyst 9300

   - "CiscoCyberVision-IOx-Active-Discovery-x86-64.tar" for the Cisco Catalyst 9300
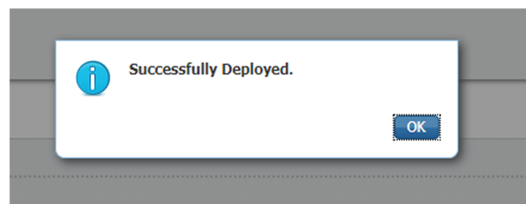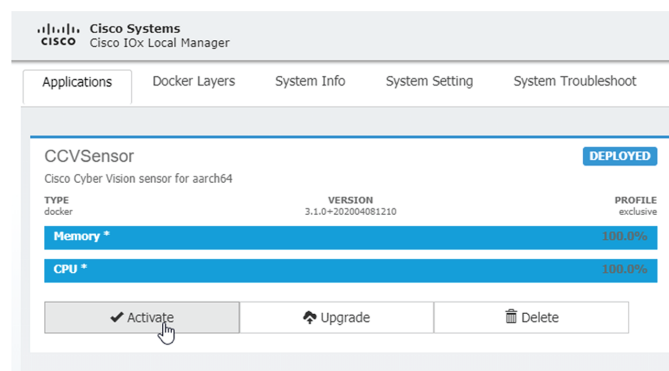
The installation takes a few minutes.
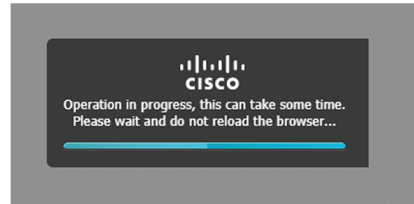
When the application is installed, the following message is displayed:

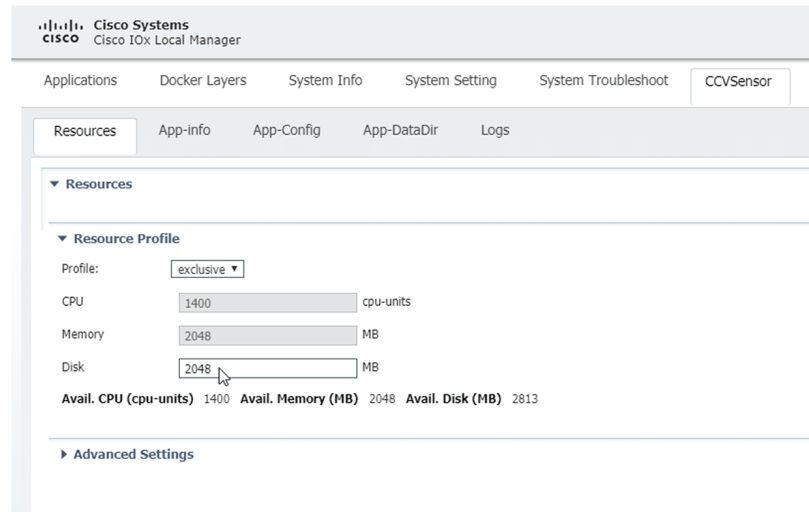# Configure the sensor virtual application (IE3x00/IE9x00)

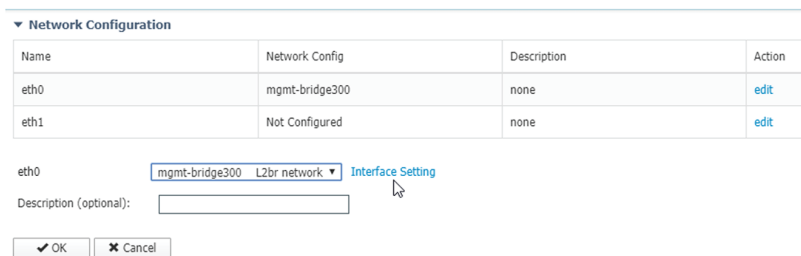1. Click **Activate** to launch the configuration of the sensor application.

2. Change the disk size from the default size to 2048 MB. The disk size must not be larger than this.

3. Bind the interfaces in the container to an interface on the host in Network Configuration. Start with eth0 by clicking **edit** in the eth0 line.
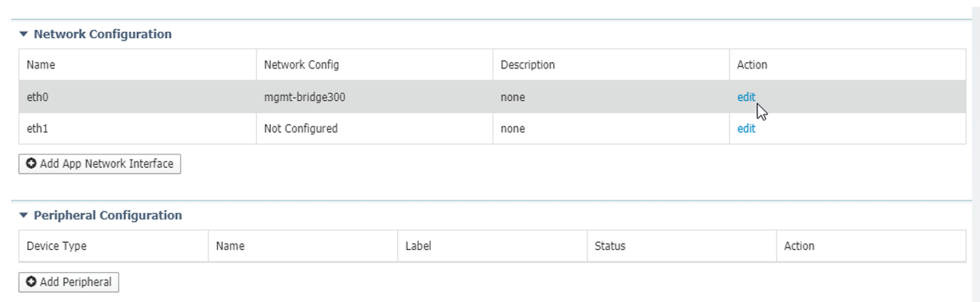
4. Click **Interface Setting**.

5. Apply the following configurations:

   • Select **Static**

   • IP/Mask: IP and mask of the sensor

   • Default gateway: IP address of the Center

- Vlan ID, which is defined below, is the VLAN in the Cisco IE3300 10G/IE3400 dedicated to the Collection network interface (link between the Center and the sensors), e.g. 507.
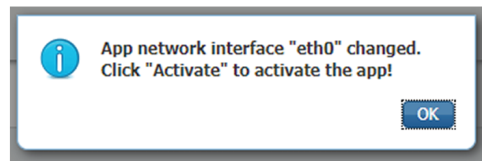

6. IPV6 must be set to Disable.

7. Click **OK** twice.

8. Click **OK** again on the popup.

9. Then, apply the following parameters to eth1:

- Select **Static**.

- IP/Mask: the IP and mask of the sensor for the mirrored traffic.

• Vlan ID, which is defined below, is the VLAN in the Cisco IE3300 10G/IE3400/IE9300 dedicated to traffic mirroring.
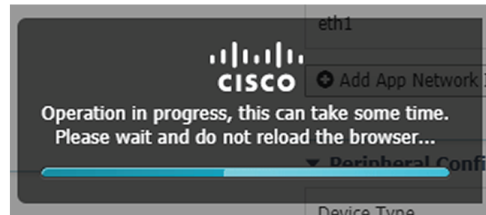

10. IPV6 must be set to **Disable**.

11. If configuring a sensor with **Active Discovery**, you must set an additional interface (eth2 without IP address) dedicated to this feature.
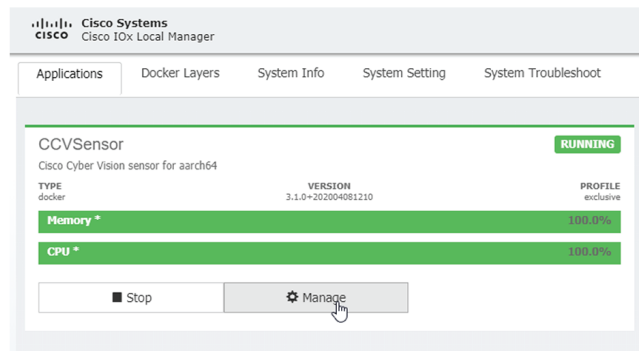

12. Click the **Activate App** button.
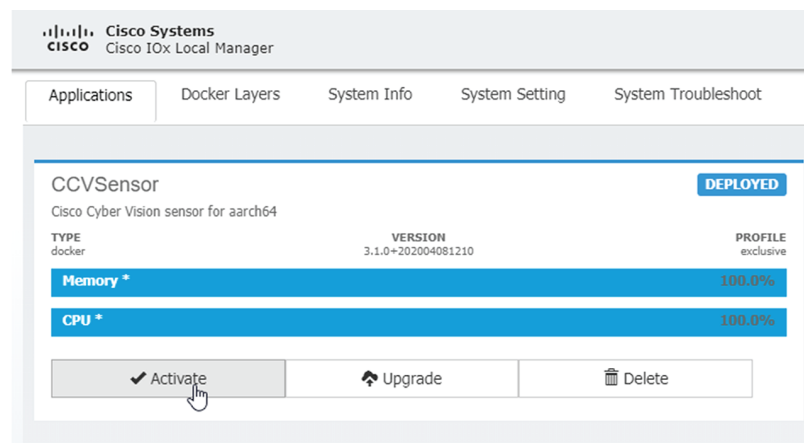
The operation takes several minutes.
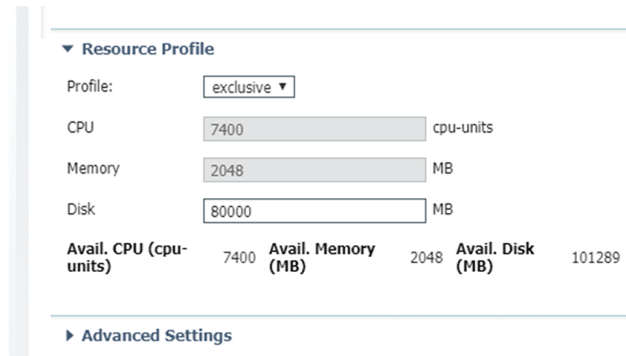

The application status changes to "RUNNING":

Configure the sensor virtual application (Catalyst 9x00)

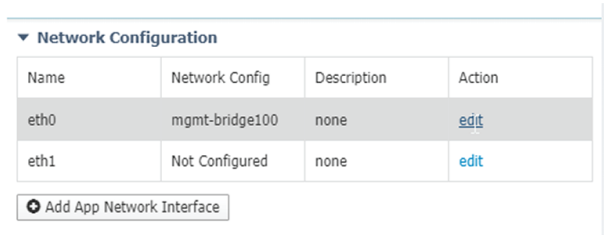1. Click **Activate** to launch the configuration of the sensor application.

2. Change the disk size from the default size to 80,000 MB. The disk size must not be smaller than this.
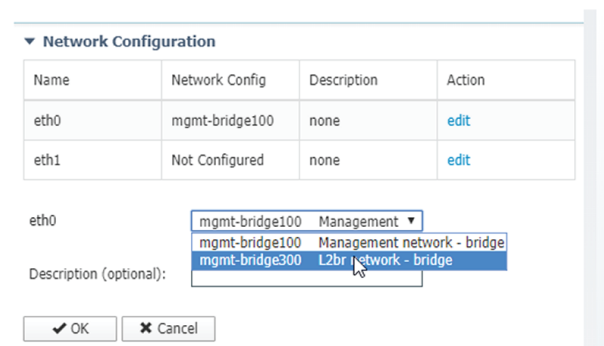
3. Bind the interfaces in the container to an interface on the host in Network Configuration. Start with eth0 by clicking **edit** in the eth0 line.

4. Select the mgmt.-bridge300 entry in the interface list.

5. Click **Interface Setting**.

6. Apply the following configurations:

   • Select **Static**

   • IP/Mask: the IP and mask of the sensor

   • Default gateway: the IP address of the Center

   • Vlan ID, which is defined below, is the VLAN in the Cisco Catalyst 9300 dedicated to the Collection network interface (link between the Center and the sensors), e.g. 507.

7. IPV6 must be set to **Disable**.

8. Click **OK** twice.

9. Click **OK** again on the following popup.
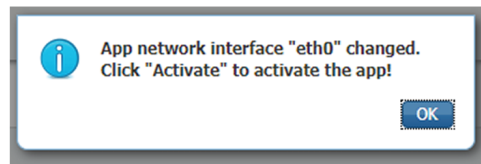
10. Apply the following configurations to eth1:

   • Disable IPv4.

   • Disable IPv6.

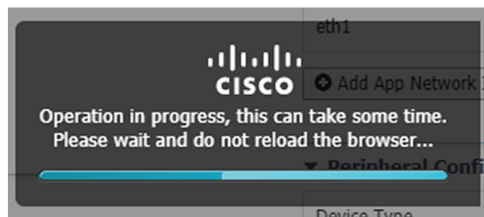   • Set the VLAN id.

   • **Set the mirror mode as enabled**.

11. Click **OK** until you come back to the screen below.
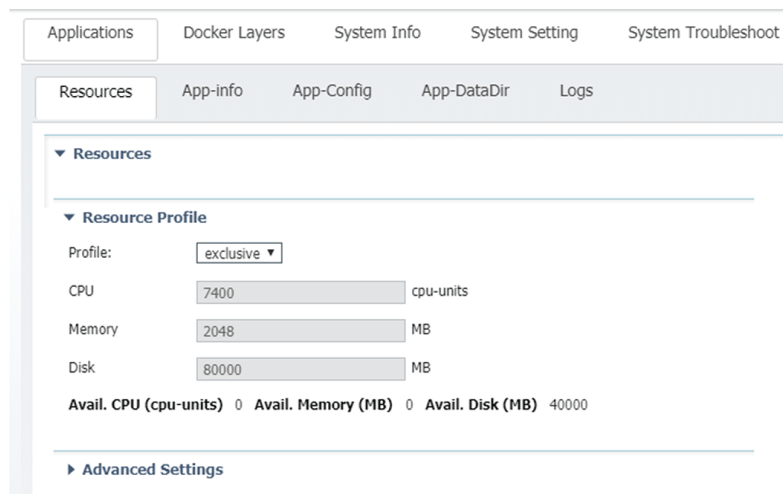
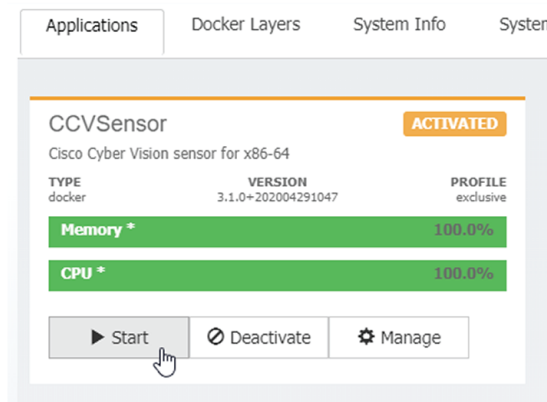12. Click the **Activate App** button.
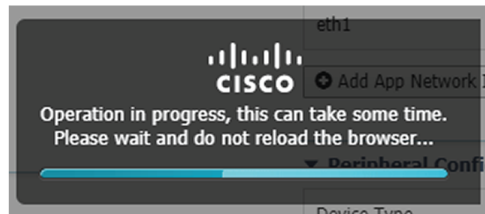
The operation takes several seconds.

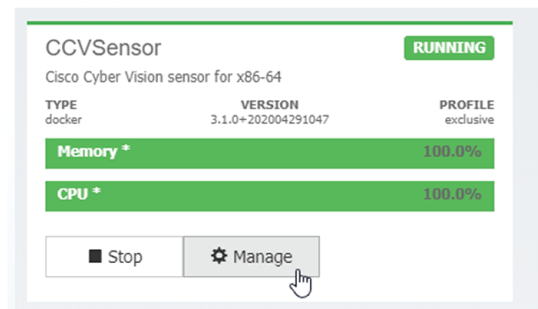**13.** Click **Applications** to display the application status:

14. The application is activated and needs to be started. To do so, click the **Start** button.
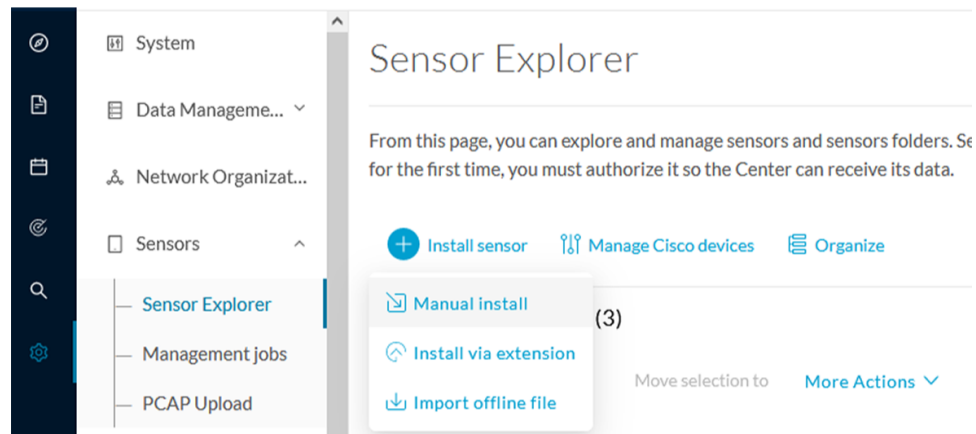
The operation takes several seconds.
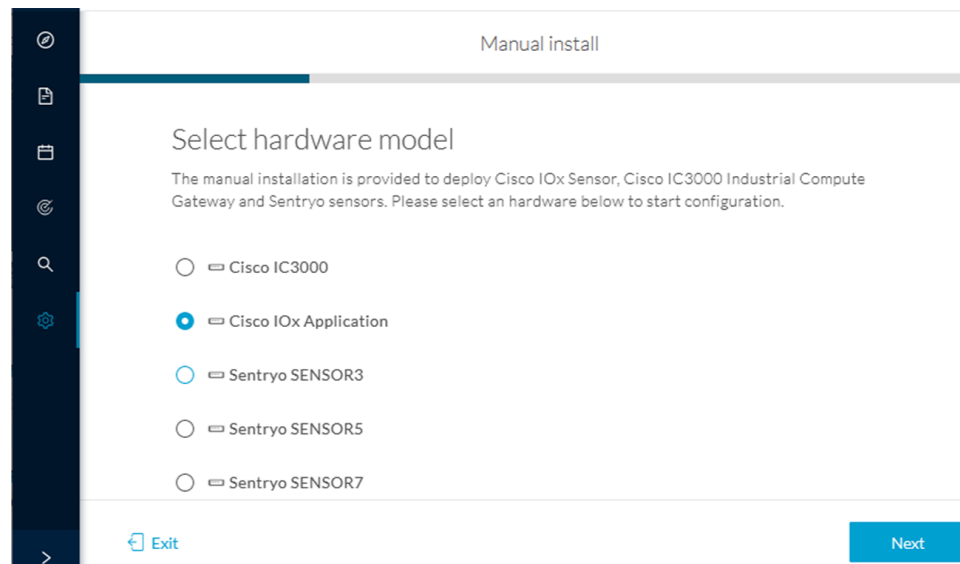

The application status changes to "RUNNING".

Generate the provisioning package

1. 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

leave blank to use current collection IP

Gateway

Capture mode

- Optimal (default): analyze the most relevant flows
- All: analyze all the flows
- Industrial only: analyze industrial flows
- Custom: set your filter using a packet filter in tcpdump-compatible syntax

Monitor session type

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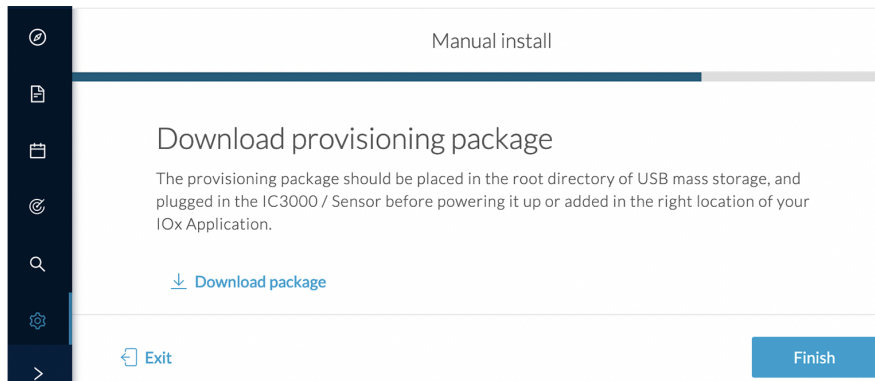
This will download the provisioning package which is a zip archive file with the following name structure: sbs-sensor-config-<serialnumber>.zip (e.g. "sbs-sensor-configFCW23500HDC.zip").

6. Click **Finish**.

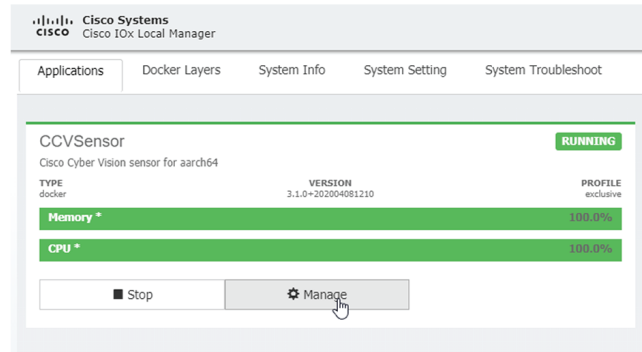7. A new entry for the sensor appears in the Sensor Explorer list.

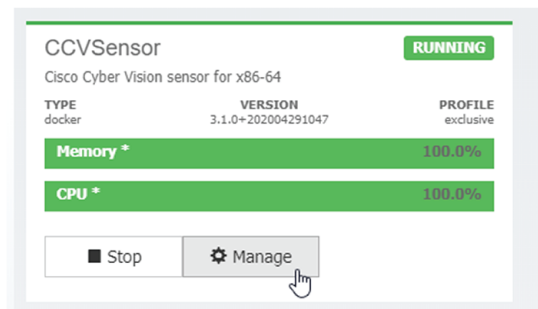The sensor status will switch from Disconnected to Connected.

Import the provisioning package

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

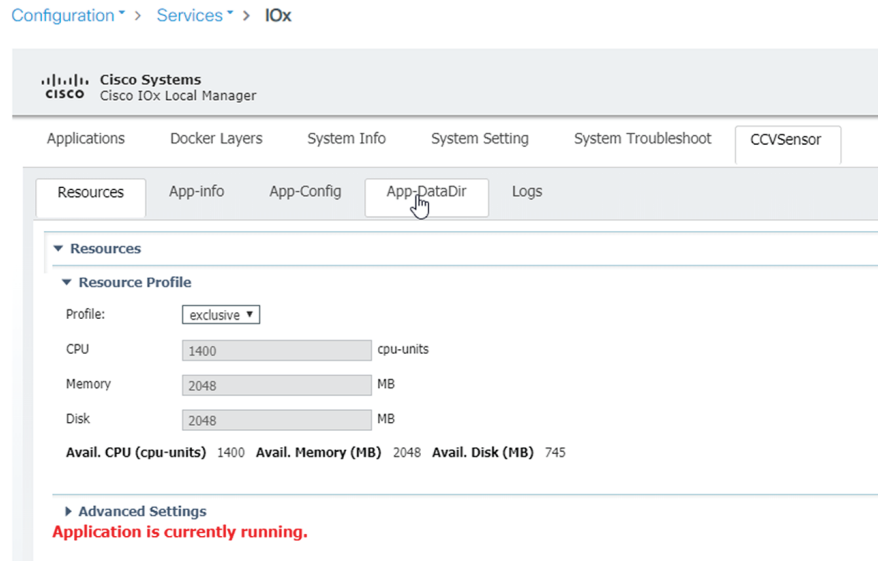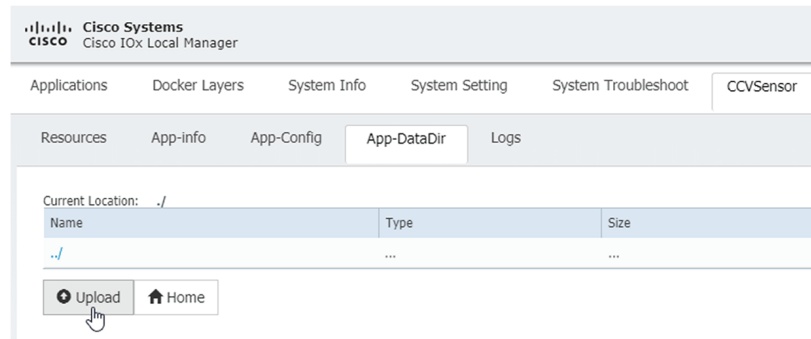   Cisco IE3400:

   Cisco Catalyst 9300:

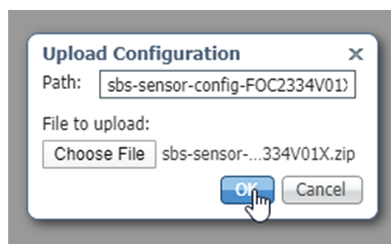2. Navigate to **App_DataDir**.

   For example Cisco IE3400:

3. Click **Upload**.

4. Choose the provisioning package downloaded (i.e. "sbs-sensor-config-FOC2334V01X.zip") and add the exact file name in the path field (i.e. "sbs-sensor-config-FOC2334V01X.zip").

5. Click **OK**.

A popup indicating that Cisco Cyber Vision has been deployed successfully appears.

6. Click **OK**.

Import the provisioning package