



Wired

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Wired Gateways

A wired gateway is a type of network device that

- installs an IOx application on Cisco Catalyst switches
- discovers and collects telemetry data from supported wired sensors, and
- transmits sensor data to Cisco Spaces: Connector for aggregation and IoT monitoring.

Configure wired gateways

Set up and maintain wired gateways using Cisco Spaces, including managing gateway applications, viewing detailed gateway information, tracking deployment history, and exporting gateway activity.

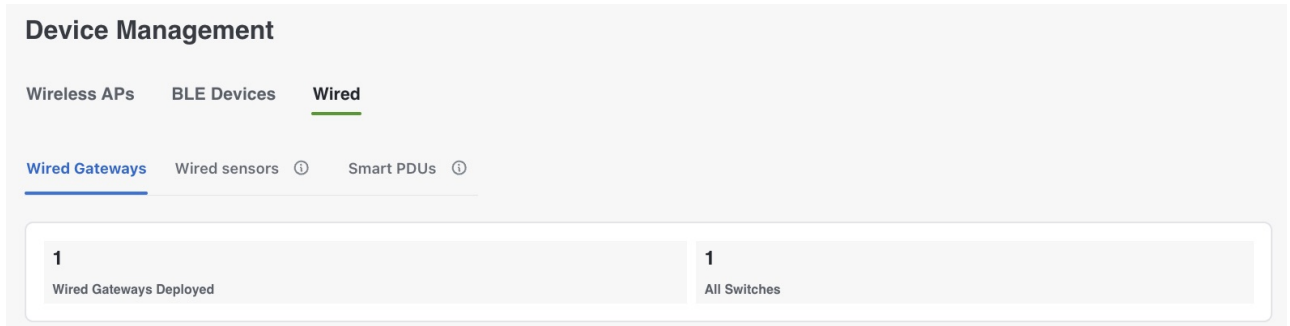
This task is used to manage IoT gateways within Cisco Spaces, enabling support for applications, monitoring device and energy information, and performing bulk operations such as installation, uninstallation, and exporting gateway history for auditing.

Before you begin

Verify that relevant access points (APs) are registered and available in the Wired Gateways list. Confirm you have the necessary permissions to manage IOx applications and gateway data.

Procedure

- Step 1** From the Cisco Spaces dashboard, navigate to **IoT Services > Manage > Wired > Wired Gateways**.

Figure 1: Wired Gateways tab

Step 2 Click the MAC address of the AP to open the detailed **Wired Gateways** page. The **Wired Gateways** tab appears.

Figure 2: Wired Gateways tab

Step 3 Click the **Wired Information** panel to view details such as **MAC Address**, **AP Name**, **Status**, **IP Address**, **Location**, **IOx App Name**, **IOx App Version** etc.

Figure 3: Wired Information tab

Wired Information			
Mac Address	f8:a7:3a:bb:1d:80	IOx Last Heard	May 20th, 2026 04:18:39 AM 2 months ago
AP Name	switch-10-22-244-128	Last Seen	Jul 17th, 2026 10:56:09 PM a few seconds ago
Status	UP	Mode	--
IP Address	10.22.244.128	Product ID	C9300-24U
Location	connectorqav31->SJC1465->building14->Floor2	Serial Number	FJC25111D67
IOx App Name	cisco_dnas_wired_iox_app	SW Version	Cisco IOS Software [IOSXE], Catalyst L3 Switch Software (CAT9K_IOSXE), Version 17.13.1, RELEASE SOFTWARE (fc9)
IOx App Version	1.2.6	Type	CHASSIS

Step 4 Click the **App Management** panel to support or uninstall an IOx Application on a gateway. Do one of

App Management

Installed Apps



Cisco Spaces Wired App - 1.2.6
Enable configuration of Wired Gateway within compatible switches

[Support](#)
[Uninstall](#)

- To support, click the **support** icon near Cisco Spaces Wired App. Click support to **confirm** or **cancel** the request.
- **Figure 4: Support icon**

Techsupport Cisco Spaces Wired App - 1.2.6

Are you sure you want to create tech support file?

[Cancel](#) [Confirm](#)

- To uninstall, click the **uninstall** icon near Cisco Spaces Wired App. Click uninstall to **confirm** or **cancel** the request.
- *Figure 5: Uninstall icon*

Uninstall Cisco Spaces Wired App - 1.2.6

Are you sure you want to uninstall the IOx app?

Cancel

Confirm

Step 5 Click the **Energy Information** panel to view details such as **Device**, **Event**, **Address**, **Module**, **Module Energy** etc.

Figure 6: Energy Information tab

Energy Information

Device	f8:a7:3a:bb:1d:80	Module Energy Reset Time	July 17th, 2026 11:43:29 PM in 13 minutes
Event	Jul 17th, 2026 11:45:13 PM in 15 minutes	Module Number	1
Address	10.22.244.128	Module Power Budget	235.0
Module	Switch1	Module Power Instant	68.0
Module	6793.0	Module Power Peak	88.0
Energy		Module Type	1

- a) The **Energy Information** panel also displays the **Module Details** table consisting of columns such as **Module Number**, **Host ID**, **Available Power** etc.

Figure 7: Module details tab

Module Details

Module Number	Host ID	Available Power	Chassis Number	Free Ports	Max Power	IP Address	Number of Ports
1	"f8:a7:3a:bb:1d:80"	865.0	1	5	60000.0	"10.22.244.128"	24

- b) The **Energy Information** panel also displays the **Port Details** table consisting of columns such as **Interface Name**, **Device Name**, **IP Address**, **Event Time** etc.

Figure 8: Port details tab

Port Details

Interface Name	Device Name	IP Address	Event Time
"GigabitEthernet1/0/22"	" CW9164I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/3"	" C9130AXI-B"	"10.22.244.128"	--
"GigabitEthernet1/0/4"	" C9136I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/5"	" CW9162I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/7"	" CW9166I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/8"	" CW9164I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/9"	" C9115AXI-B"	"10.22.244.128"	--
"GigabitEthernet1/0/12"	" C9120AXI-B"	"10.22.244.128"	--
"GigabitEthernet1/0/13"	" CW9162I-B"	"10.22.244.128"	--
"GigabitEthernet1/0/14"	" CW9166I-B"	"10.22.244.128"	--

Step 6 Click on the **Request History** panel to check the status of deployment. The **Status** column shows the status of install, uninstall or upgrade on each AP.

- a) SUCCESS: The application was uninstalled or upgraded successfully on the AP.
- b) FAILURE: The application uninstall or upgrade on the AP failed.
- c) IN PROGRESS: The application is currently being uninstalled or upgraded on the AP.

Figure 9: Request History tab

Request History

Operation	Status	Initiated At	Last Updated At
IOX INSTALL	✓ SUCCESS	Jul 17th, 2026 05:50:07 PM 5 hours ago	Jul 17th, 2026 05:52:49 P 5 hours ago
IOX INSTALL	✓ SUCCESS	Jun 18th, 2026 12:00:29 AM a month ago	Jun 18th, 2026 12:02:23 A a month ago
IOX INSTALL	✓ SUCCESS	Jun 3rd, 2026 02:19:11 PM a month ago	Jun 3rd, 2026 02:21:07 P a month ago
IOX INSTALL	✓ SUCCESS	Jun 3rd, 2026 01:50:45 PM a month ago	Jun 3rd, 2026 01:52:41 P a month ago
IOX INSTALL	✓ SUCCESS	May 20th, 2026 09:18:00 PM 2 months ago	May 20th, 2026 09:20:41 2 months ago
IOX INSTALL	✓ SUCCESS	May 6th, 2026 01:52:02 PM 2 months ago	May 6th, 2026 01:53:22 P 2 months ago
IOX UNINSTALL	✓ SUCCESS	May 6th, 2026 01:50:59 PM 2 months ago	May 6th, 2026 01:51:37 P 2 months ago
IOX INSTALL	✓ SUCCESS	May 6th, 2026 01:46:12 PM 2 months ago	May 6th, 2026 01:47:33 P 2 months ago
IOX UNINSTALL	✓ SUCCESS	May 6th, 2026 01:44:38 PM 2 months ago	May 6th, 2026 01:45:10 P 2 months ago

Step 7

Click the MAC address of the desired AP in the tab and then click the **Bulk Request History** button to check the bulk configuration request history. Click on the **Export** button and **Refresh** button to download as a .csv file to your local

system and refresh the

Bulk Configuration Request History



As of: Jul 17th, 2026 11:30:53 PM [Refresh](#)

Request History(6)

[Export](#)

Request Id	Operation	Total beacons	Initiated At
94de2230-a539-11f0-8eb9-a9f2fea86343	IOX UNINSTALL	2	Oct 9th, 2025 11:28:37 PM 9 months ago
2ca92ff0-98c5-11f0-85a3-d9e50ed95ae4	IOX UNINSTALL	2	Sep 24th, 2025 03:05:07 AM 10 months ago
b98f9b90-98be-11f0-85a3-d9e50ed95ae4	IOX UNINSTALL	2	Sep 24th, 2025 02:18:57 AM 10 months ago
ff4c0230-6d09-11f0-9824-73a73c3cfeb9	IOX UNINSTALL	2	Jul 30th, 2025 11:26:55 AM a year ago
c2165990-68fb-11f0-b970-bd1b7cc985d4	IOX INSTALL	2	Jul 25th, 2025 07:34:55 AM a year ago

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Step 8

Click the MAC address of the desired AP in the tab and then click the **Action** button.

- Manage IOx app:** Either install or uninstall IOx app.
- Delete:** Delete the IOx app.

Wired Sensors

A wired sensor is an IoT device that

- connects to the network through a Cisco switch configured as a wired gateway
- collects presence and environmental telemetry such as temperature, humidity, carbon dioxide (CO₂), and air quality, and
- enables centralized monitoring and management through Cisco Spaces IoT Services, which displays sensor details, telemetry, connectivity, and location.

Configure wired sensors

Enable detailed monitoring and management of wired sensor devices connected to access points.

Wired sensors provide occupancy, environmental, and location data for spaces. Management includes editing device labels, updating sensor information, and controlling app group assignment.

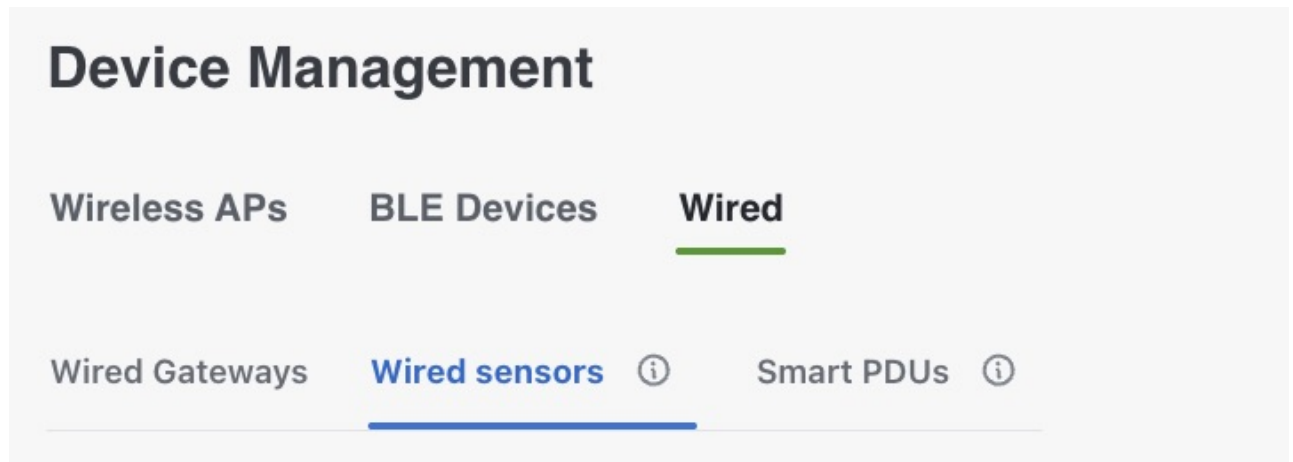
Before you begin

Verify that the APs and sensors are registered and online.

Procedure

Step 1 From the Cisco Spaces dashboard, navigate to **IoT Services > Manage > Wired > Wired Sensors**.

Figure 10: Wired Sensors tab



Step 2 Click the MAC address of the AP to open the detailed **Wired Device** page. The **Wired Device** tab appears.

Figure 11: Wired Device tab



Step 3 Click the **Wired Device Information** panel to view details such as **Device ID**, **Node Mac Address**, **Label**, **Last Seen**, **Location**, **Group**, **Make** and **Vendor**.

Figure 12: Wired Device Information tab

Wired Device Information



Edit

Remove Location

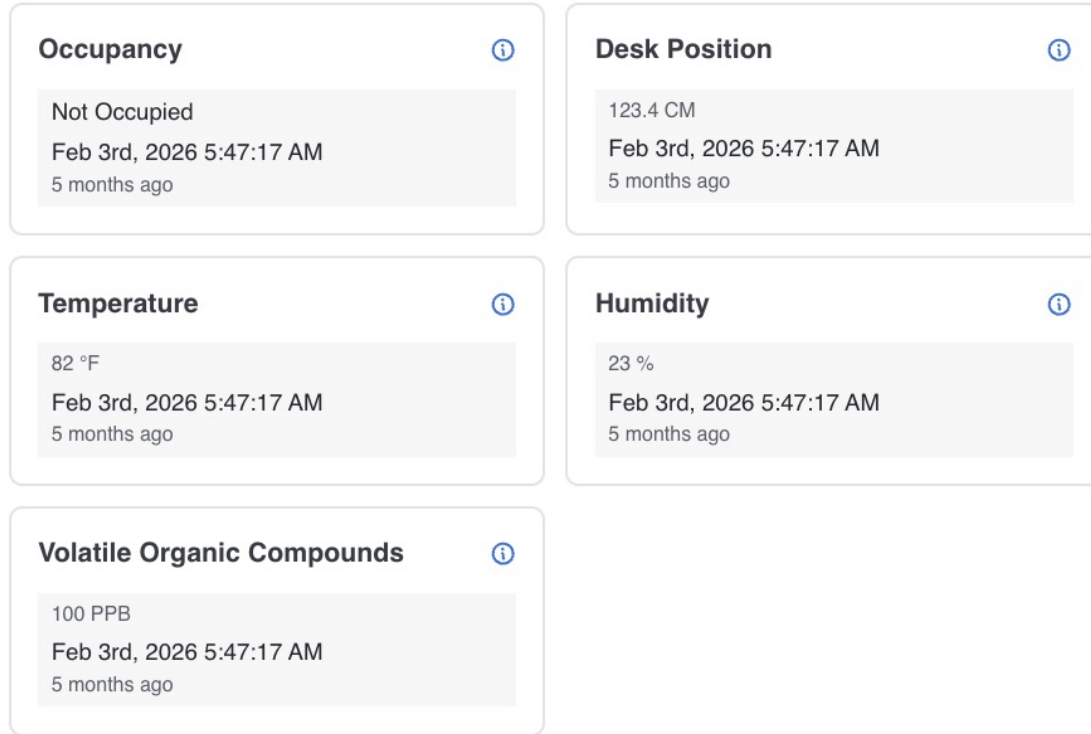
Device ID	fc:0f:e7:c1:da:fa
Node Mac Address	fc:0f:e7:c1:da:fa
Label	AutoLabel-kv5pzv
Last Seen	2026-02-20T07:33:49.264Z
Location	--
Group	--
Make	--
Vendor	--

- Click on the **Edit** button to edit the device label.
- Click on the **Remove Location** button to remove the location.

Step 4 Click the **Sensor Information** panel to view details such as **Occupancy**, **Desk Position**, **Temperature**, **Humidity** etc.

Figure 13: Sensor Information tab

Sensor Information



Step 5 Click the MAC address of the desired AP in the tab and then click the **Action** button.

- Remove from Group:** Remove the IOx app from the group.
- Delete:** Delete the IOx app.

Smart PDUs

A smart power distribution unit (PDU) is an energy management device that

- provides visibility into the power and energy consumption of connected infrastructure
- enables onboarding into Cisco Spaces through the Cisco Spaces: Connector using SNMP, and
- supplies operational and energy-usage data for monitoring and efficiency improvement.

Configure smart PDUs

Set up and manage smart PDUs for networked access points using Cisco Spaces IoT Services.

Use this task to configure smart PDUs including setting properties and viewing energy information through Cisco Spaces. This enables efficient power management and monitoring for connected devices.

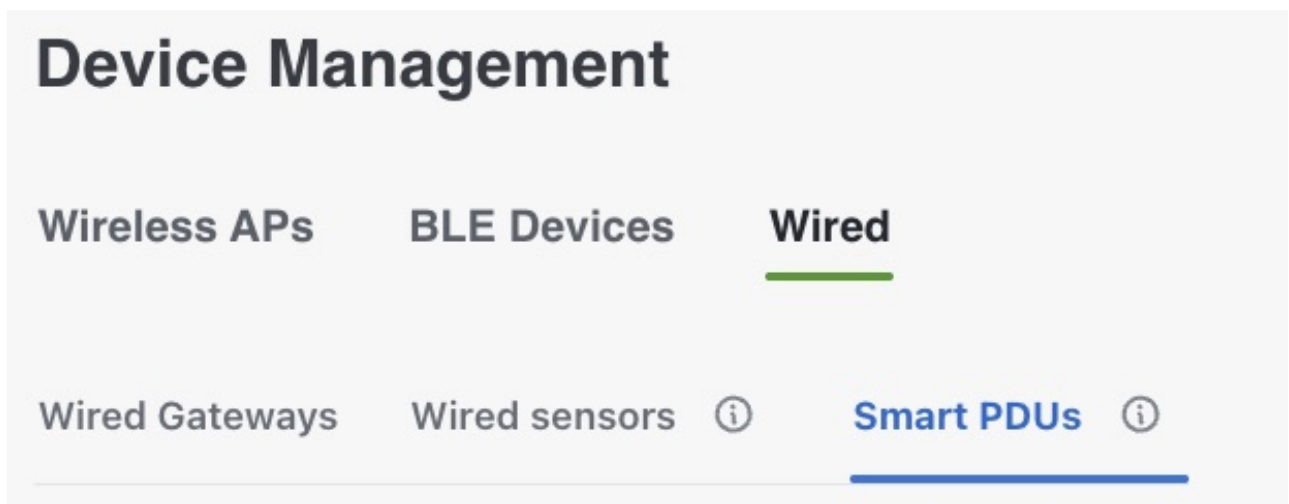
Before you begin

Know the MAC addresses of the APs you intend to manage. Have SNMP credentials and Smart PDU IP address available.

Procedure

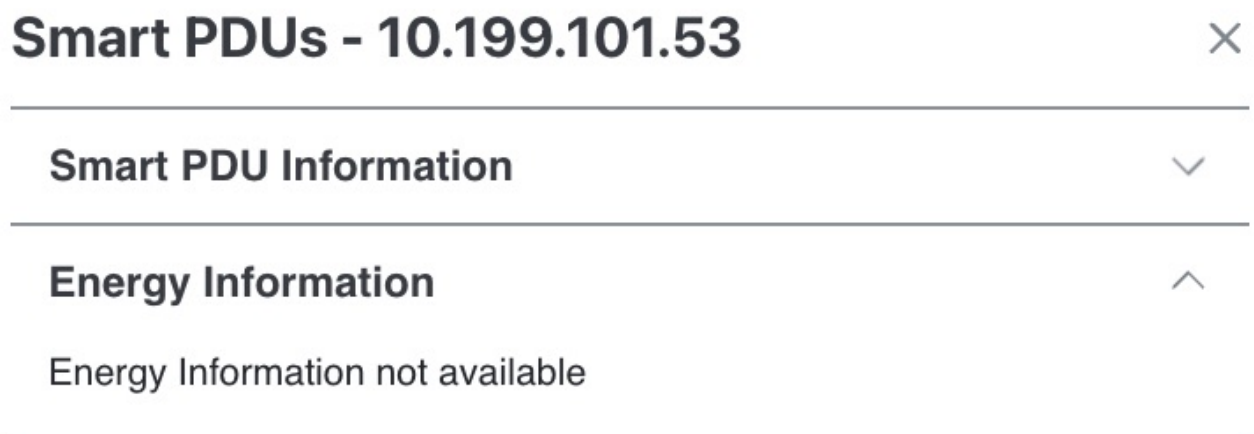
Step 1 From the Cisco Spaces dashboard, navigate to **IoT Services > Manage > Wired > Smart PDUs**.

Figure 14: Smart PDUs tab



Step 2 Click the MAC address of the AP to open the detailed **Smart PDUs** page. The **Smart PDUs** tab appears.

Figure 15: Smart PDUs tab



Step 3 Click the **Smart PDUs Information** panel to view details such as **Select Connector**, **SNMP Version**, **Smart PDU IP Address** and **SNMP Read only Community**.

Figure 16: Smart PDUs Information tab

Smart PDU Information

[Edit](#)

Select Connector

SNMP Version

Smart PDU IP Address

*

SNMP Read only Community

*

- a) **Select Connector**: Select the connector from the drop-down list.
- b) **SNMP Version**: Select the SNMP version from the drop-down list.
- c) **Smart PDU IP Address**: Enter the smart PDU IP address.
- d) **SNMP Read only Community**: Choose the SNMP read only community option.

Step 4 Click the **Energy Information** panel to view details.

Figure 17: Energy Information tab

Energy Information



Energy Information not available

Step 5

Click the MAC address of the desired AP in the tab and then click the **Action** button.

a) **Delete**: Delete the IOx app.
