



Sensors and Wired Devices

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Viewing Wired Sensors or Devices on IoT Service

- Step 1** In the IoT Service dashboard, click **Device Management**.
- Step 2** Click **Devices** > **Wired Devices** to view the sensors and wired devices.
- Step 3** To add or delete columns, click the corresponding vertical three-dot icon.

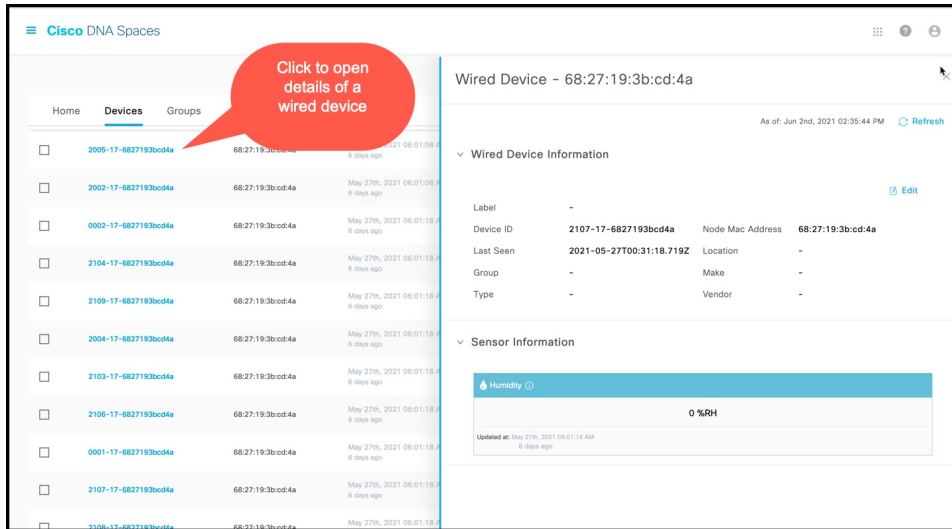
Figure 1: Adding or Removing a Column

The screenshot shows the Cisco DNA Spaces IoT Services dashboard. The 'Devices' menu is highlighted, and the 'Wired Devices' sub-menu is selected. A 'Presets' dialog box is open, showing options to select columns for display. The table below shows a list of wired devices with columns for Device ID, Node Mac Address, Last Seen, Location, Group, Make, Type, and Vendor.

Device ID	Node Mac Address	Last Seen	Location	Group	Make	Type	Vendor
0001-17-6827193bcd4e	68:27:19:3b:cd:4e	May 27th, 2021 06:01:18 AM 6 days ago	-	-	-	-	-
0002-17-6827193bcd4e	68:27:19:3b:cd:4e	May 27th, 2021 06:01:18 AM 6 days ago	San Jose->Building 19 Test->Lab Floor	-	-	-	-
0003-17-6827193bcd4e	68:27:19:3b:cd:4e	May 27th, 2021 06:01:08 AM 6 days ago	-	-	-	-	-
0004-17-6827193bcd4e	68:27:19:3b:cd:4e	May 27th, 2021 06:01:18 AM 6 days ago	-	-	-	-	-

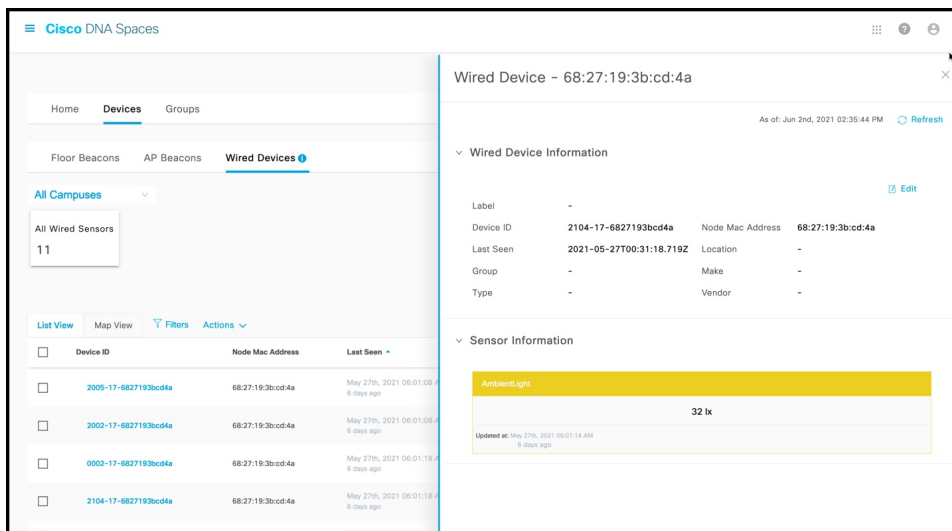
- Step 4** Click a MAC address to view further details.

Figure 2: Viewing Details of a Switch



Step 5 Expand the **Sensor Information** section, to view the telemetry details collected by the wired sensor.

Figure 3: Telemetry Information

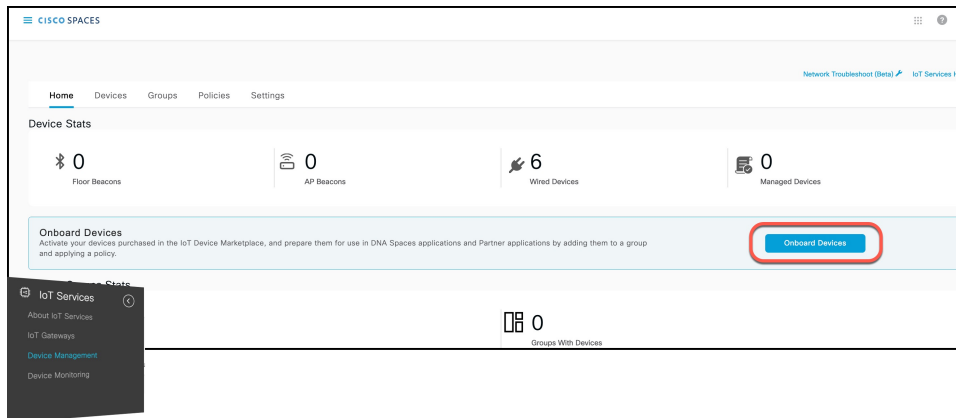


Configure a Smart PDU

You can configure your Smart PDU with the following steps.

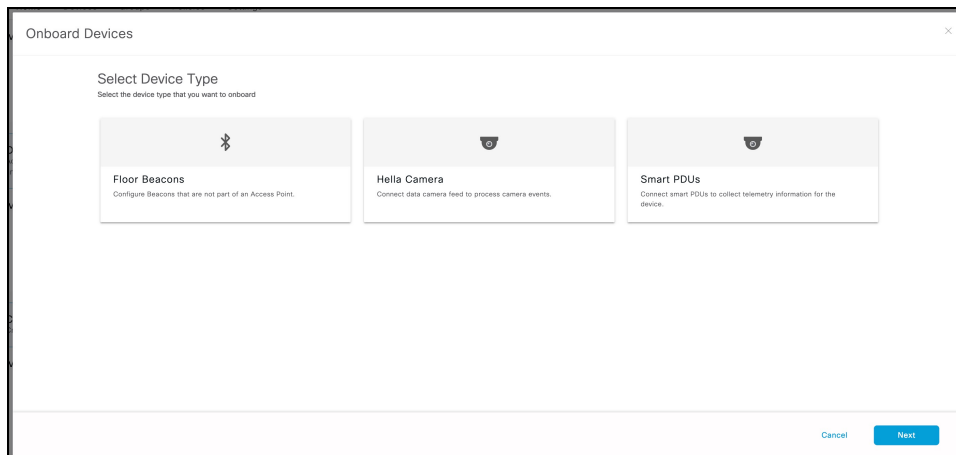
Step 1 In the Cisco Spaces dashboard, navigate to **IoT Service > Device Management > Home** and then click **Onboard Devices**.

Figure 4: Onboard Devices



Step 2 In the **Onboard Devices** window, click **Smart PDUs**.

Figure 5: Smart PDUs



Step 3 In the **Onboard Smart PDU** window displayed, do the following:

- From the **Select Connector** drop-down list, choose a connector
- From the **SNMP Version** drop-down list, choose a **v2c** or **v3**.
- Enter the IPv4 or IPv6 address of the device in the **Smart PDU IP address** field.

Step 4 If you chose v2c in the previous step ([Step 3](#)), do the following:

- Enter a text in the **SNMP Read only Community** field.

Figure 6: SNMP Read only Community

Onboard Smart PDU

1 Connect to Smart PDU

Select Connector*

SNMP Version

Smart PDU IP Address*
Enter the IP Address

SNMP Read only Community*
Enter the SNMP Read only Community

b) Click **Next**.

Step 5 If you chose v3 in [Step 3](#), do the following:

a) Enter a user name.

Figure 7: User Name

Onboard Smart PDU

1 Connect to Smart PDU

Select Connector*

SNMP Version
v3

Smart PDU IP Address*
Enter the IP Address

User Name*
Enter the User Name

Authentication Protocol*
Enter Authentication Protocol

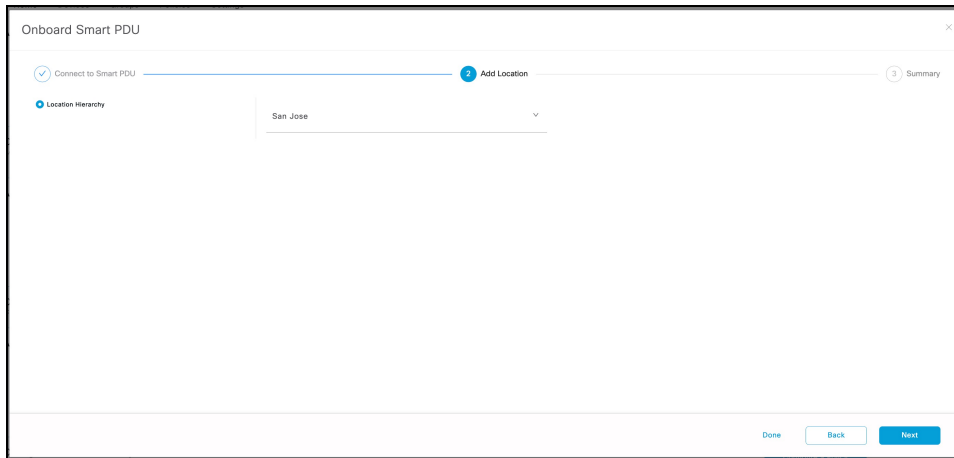
Privacy Protocol*
Enter Privacy Protocol

Password
Enter the Password

- b) Choose an Authentication Protocol. You can choose from **HMAC-MD5** or **HMAC-SHA**
- c) Enter a Privacy Protocol. You can choose from **CBC-DES** or **CFB-AES-128**.
- d) Click **Next**.

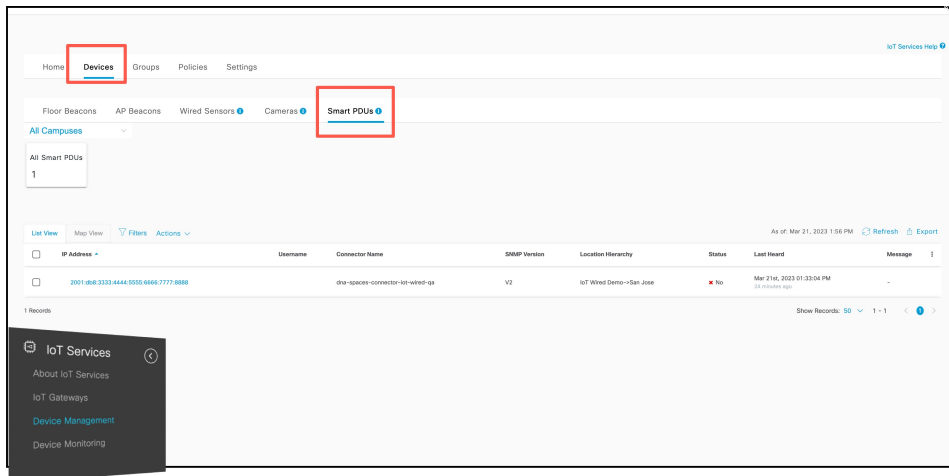
Step 6 From the **Location Hierarchy** drop-down list, choose the current location of the device, and then click **Next**.

Figure 8: Location Hierarchy



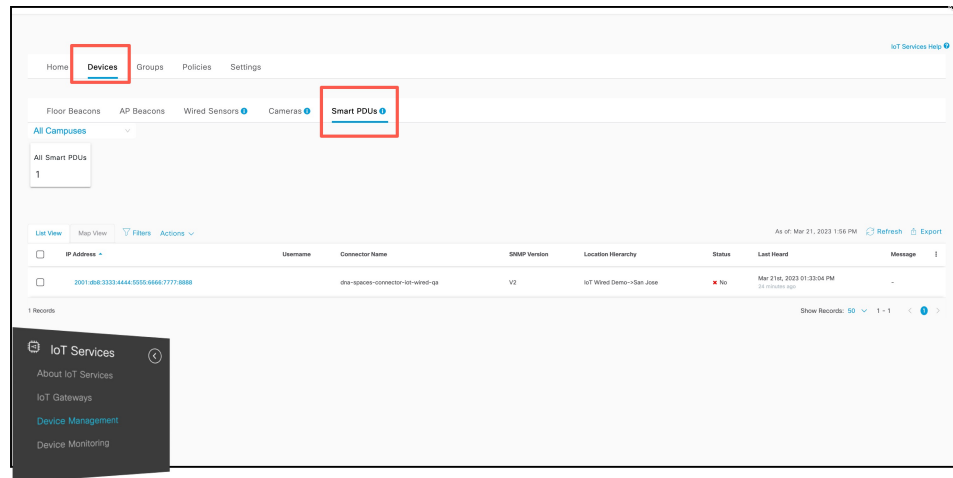
Step 7 Observe that the smart PDU is configured successfully, and then click **Done**

Figure 9: Smart PDU Configured



The window listing all configured Smart PDUs is displayed, at **IoT Service > Device Management > Devices**, at the **Smart PDU** tab. You can observe all the configured details, as well as information about when the device was last heard from. Click on the respective smart PDU to see more details or to edit it.

Figure 10: Smart PDU

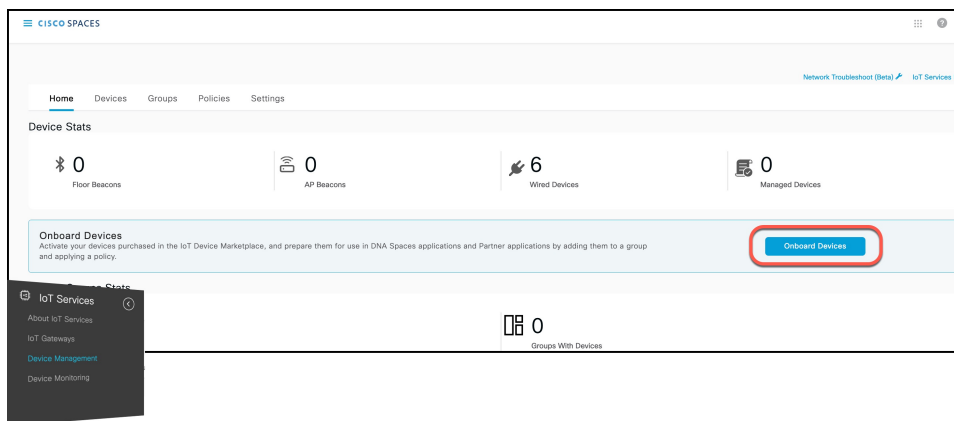


Configure a Hella Camera

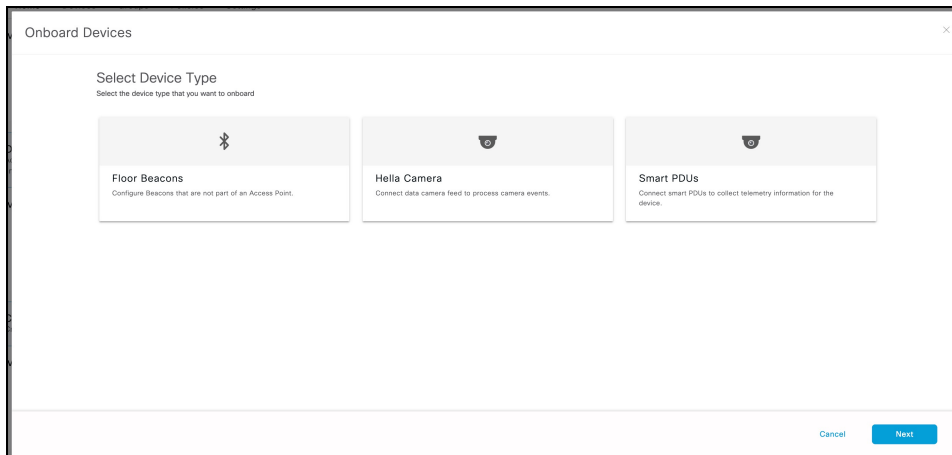
You can configure your Hella Camera with the following steps.

Step 1 In the Cisco Spaces dashboard, navigate to **IoT Service > Device Management > Home** and then click **Onboard Devices**.

Figure 11: Onboard Devices



Step 2 In the **Onboard Devices** window, click **Hella Camera**.

Figure 12: Onboard Hella Camera**Step 3**

In the **Onboard Hella Camera** window displayed, do the following:

- a) From the **Select Connector** drop-down list, choose a connector
- b) Enter the IPv4 or IPv6 address of the device in the **Camera IP address** field.

Figure 13: Onboard Hella Camera

Onboard Hella Camera

1 Connect to Hella

Select Connector*

Camera IP Address*
Enter the IP Address

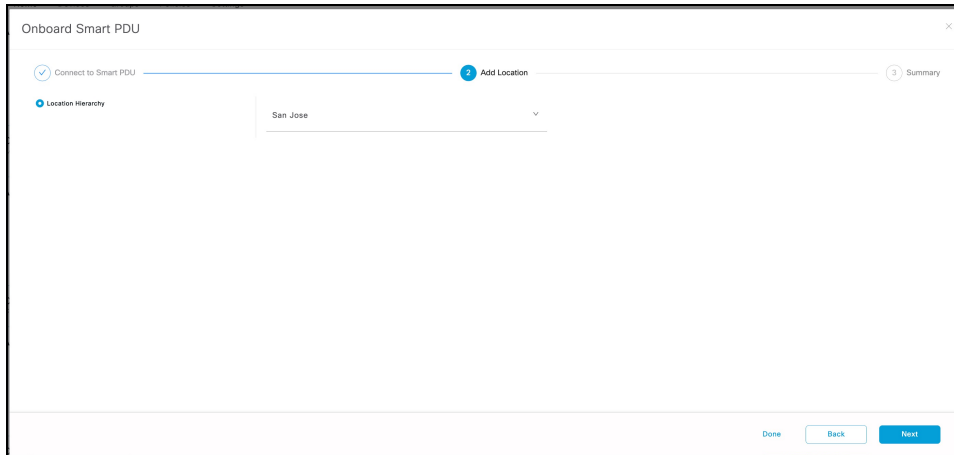
User Name*
Enter the User Name

Password
Enter the Password

Confirm Password
Enter the Password Again

- c) Enter a user name to access this device.
- d) Create a password to access this device, and confirm the password.

Step 4 From the **Location Hierarchy** drop-down list, choose the current location of the device, and then click **Next**.

Figure 14: Location Hierarchy

Step 5 Observe that the Hella Camera is configured successfully, and then click **Done**

You are taken to the list of configured Hella Camera in **IoT Service > Device Management > Devices**, at the **Cameras** tab. You can observe all the configured details, as well as information about when the device was last heard from. Click on the respective Hella Camera to see more details or to edit it.