



AP as a Sensor

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You can now configure the following access points as sensors:

- Cisco Catalyst 9136 Series Access Points
- Cisco Catalyst Wireless 9166I Series Access Points

Once configured as a sensor, you can collect telemetry data using this AP. The following sensor values can be configured:

- Temperature
- Relative humidity
- Total volatile organic compound (TVOC), and
- Indoor air quality

Enabling or Disabling an AP Sensor

Step 1 Navigate to Cisco Spaces: IoT Service > **Device Management** > **Devices** > **AP Beacons** > **Sensor**.

Figure 1: AP as a Sensor

The screenshot shows the Cisco DNA Spaces interface for configuring AP Beacons. The main content area displays a summary of AP Beacons across all campuses, including counts for AP Sensors, IBeacon, Eddystone UID, Eddystone URL, Scan Mode, and Dual Mode. A table lists individual AP Beacons with columns for Mac Address, AP Name, BLE status, AP Model, Profile Type, Label, Location, BLE Firmware Version, and AP Beacon Channel Last Heard. A sidebar menu is visible on the left, showing IoT Services, IoT Gateways, Device Management, and Device Monitoring.

Mac Address	AP Name	BLE	AP Model	Profile Type	Label	Location	BLE Firmware Version	AP Beacon Channel Last Heard	WLC
00:a3:8e:43:e4:20	AP18151.7588	Enabled	AIR-AP18151-B-K9	Scan	-	System Campus->Bldg-20->Sensor->Sensor-Floor	2.7.16	Apr 29th, 2022 09:14:04 PM a month ago	
b0:90:7e:99:cf:20	AP18321.5828	Enabled	AIR-AP18321-A-K9	Scan	-	-	2.7.19	Oct 21st, 2021 04:12:16 AM 7 months ago	
00:14:39:20:68	AP18521.2068	Enabled	AIR-AP18521-B-K9	Scan	-	-	2.7.19	Oct 21st, 2021 04:12:16 AM 7 months ago	

Step 2 Click the AP that you want to configure as a sensor.
The AP Beacons details page opens.

Step 3 In the **Settings** area, click **Sensor** to enable or disable the AP as a sensor.

Figure 2: Enabling or Disabling AP as a Sensor

AP Beacon -
10:f9:20:fd:e0:a0

Sensor
BLE
Scan
Transmit
Dual

×

As of: Jun 2nd, 2022 10:36:19 AM Refresh Sync

▼ AP Information

Mac Address	10:f9:20:fd:e0:a0	Floor Beacon Channel Status	● DOWN
IOx App Channel Status	-	Name	AP9166.DD30
Description	Cisco Catalyst 9166 Series Access Point	AP Model	CW9166I-B
AP IP	25.25.101.139	WLC IP	10.22.212.150
IOx App Name	-	IOx App Version	-
Label	-	SW Version	17.9.0.124
BLE MAC	90:35:ea:fc:f3:41	BLE Mode	Scan
BLE Type	Base	BLE Firmware version	3.2.4
Location	System Campus->SMU-ewlc->smu-ewlc	Ethernet Mac	cc:9c:3e:f4:dd:30
Floor Beacon Channel Last Heard	Jun 1st, 2022 12:08:58 PM <small>a day ago</small>	AP Beacon Channel Last Heard	May 26th, 2022 10:14:04 PM <small>7 days ago</small>
IOx App Channel Last Heard	-	Zigbee Capable	✓ Yes
IOx Capable	✓ Yes	BLE Capable	✓ Yes
USB Capable	✓ Yes		

▼ Settings

Sensor

BLE

BLE mode

S

Scan
Scans for nearby bluetooth devices

✓

T

Transmit
Only does beacon transmitting

Enable

D

Dual
Does both Scan & Transmit

Enable

> Sensor Information

Spaces LaunchPad

COVID-19 Apps and use cases to help you safely reopen your businesses.

Dismiss

Viewing Sensor Information

You can view sensor information from the **Sensor Information** area.

Figure 3: Viewing Sensor Information

