



Switch as a Gateway

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Switch as a Gateway

You can configure the following switches as a wired gateway:

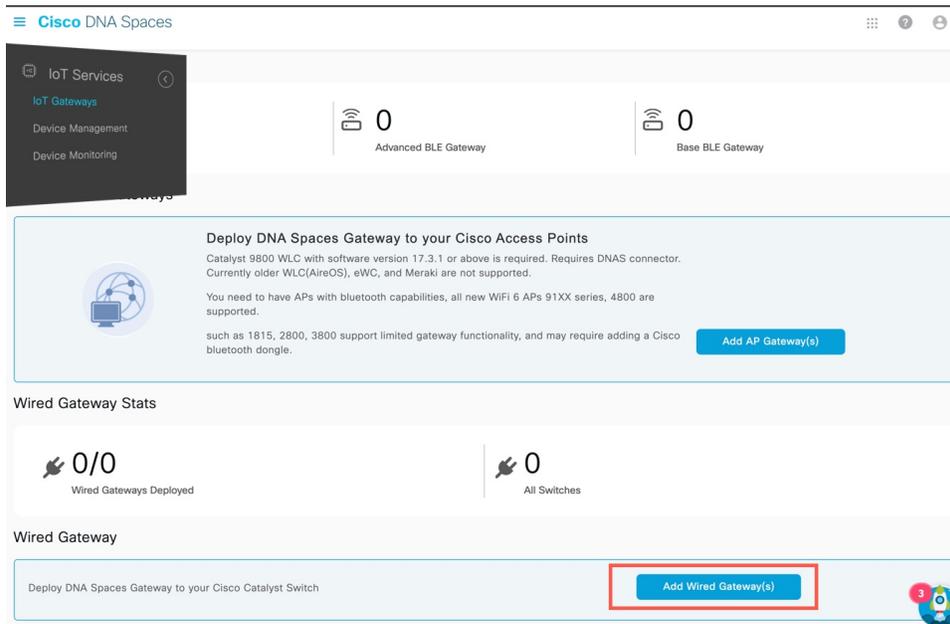
- Cisco Catalyst 9300 Series Switches
- Cisco Catalyst 9400 Series Switches

Configuring a Switch as a Wired Gateway

Step 1 In the IoT Service dashboard, choose **IoT Gateways > Wired Gateways**.

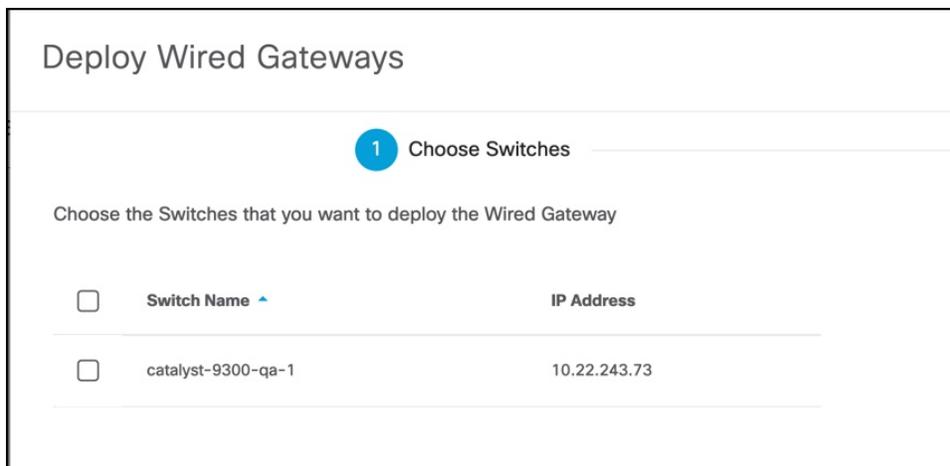
Step 2 Click **Add New Gateways**.

Figure 1: Adding a New Gateway



Step 3 In the **Deploy Wired Gateways** window that is displayed, select the switch you want to deploy as a wired gateway. (IoT Service configures a compatible switch as a wired gateway.)

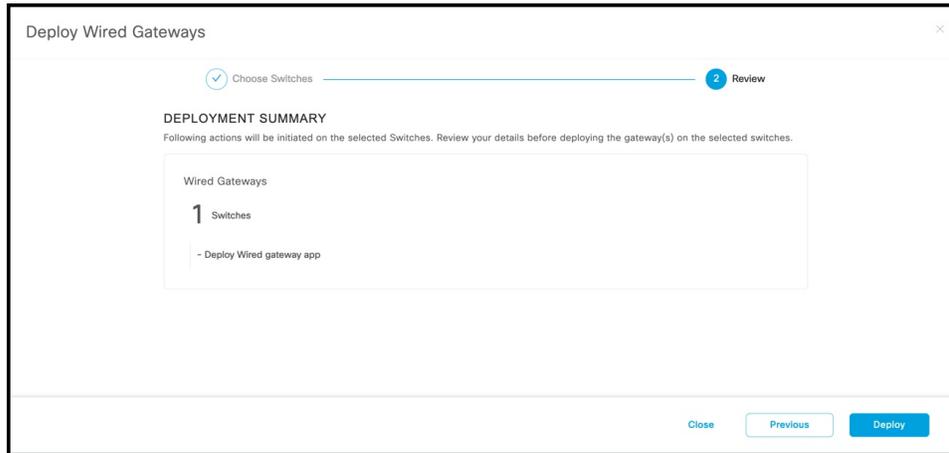
Figure 2: Deploy Wired Gateways



A switch that is enabled as a wired gateway, can scan for wired sensors using an installed IoX Application .

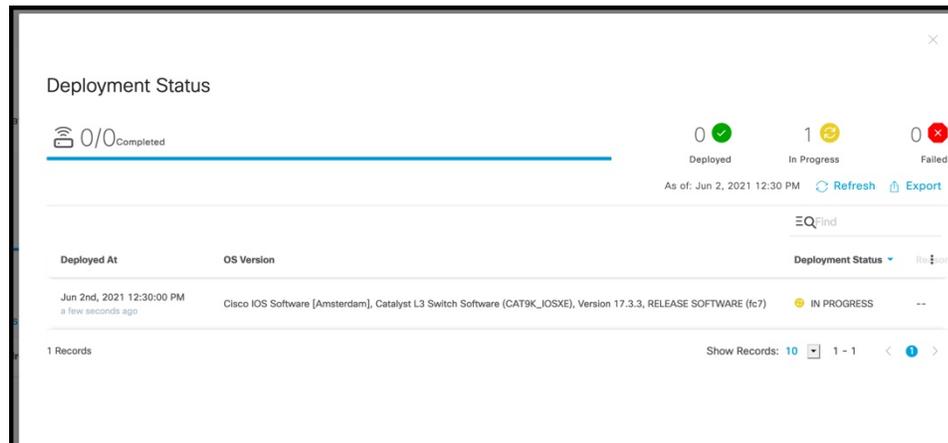
Step 4 You can review the requested changes and click **Deploy**.

Figure 3: Review Changes



After the switch receives the change requests, the switch is queued to be deployed as a wired gateway. You can observe the progress on the displayed deployment status window.

Figure 4: Deployment Status



You can also check the status of the deployment by clicking the **Wired Gateways** tab and then clicking **Deployment Status** button at the top-right corner.

Figure 5: Deployment Status

The screenshot shows the Cisco DNA Spaces dashboard for 'Wired Gateway'. It includes a 'Stats' section with '1/1 Wired Gateways deployed' and '1 All Switches'. Below this is a table with the following data:

Mac Address	Name	Status	IP Address	IOx App Name	IOx App Version	IOx Last Heard	Last Seen
fa73a5b22280	catalyst-9300-qa-1	UP	10.22.243.73	cisco_dnas_wired_iox_app	1.0.25	Aug 28th, 2021 07:18:15 AM 23 days ago	Sep 20th, 2021 01:47:04 PM a few seconds ago

A sidebar menu on the left shows 'IoT Services' with sub-items: 'IoT Gateways', 'Device Management', and 'Device Monitoring'.

Figure 6: Deployment Status: Summarized view

The summarized view shows a 'Deployment Status' card with the following information:

- 10/10 gateways deployed (indicated by a Wi-Fi icon and a progress bar).
- 10 green checkmarks (Deployed), 0 yellow circles (In Progress), and 0 red X's (Failed).
- Buttons for 'View Detailed Status' and 'Add New Gateways'.

Uninstall, or Upgrade a Wired Application on a Switch

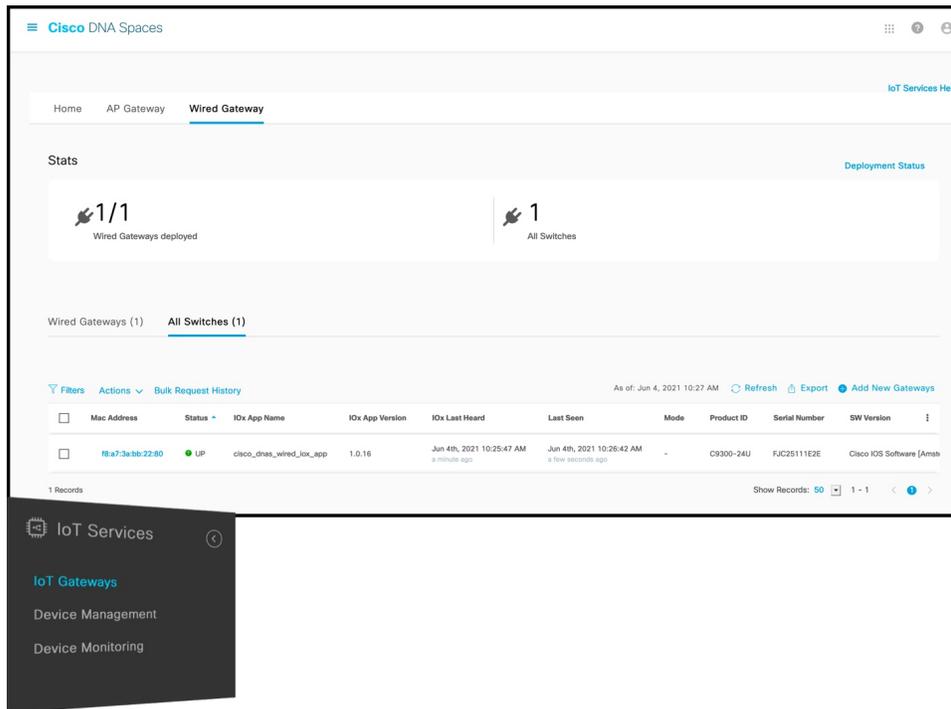
You can uninstall, or upgrade wired applications on wired gateways. The Cisco Spaces Wired app is one such application.

Before you begin

Ensure that you have configured a switch as an wired gateway.

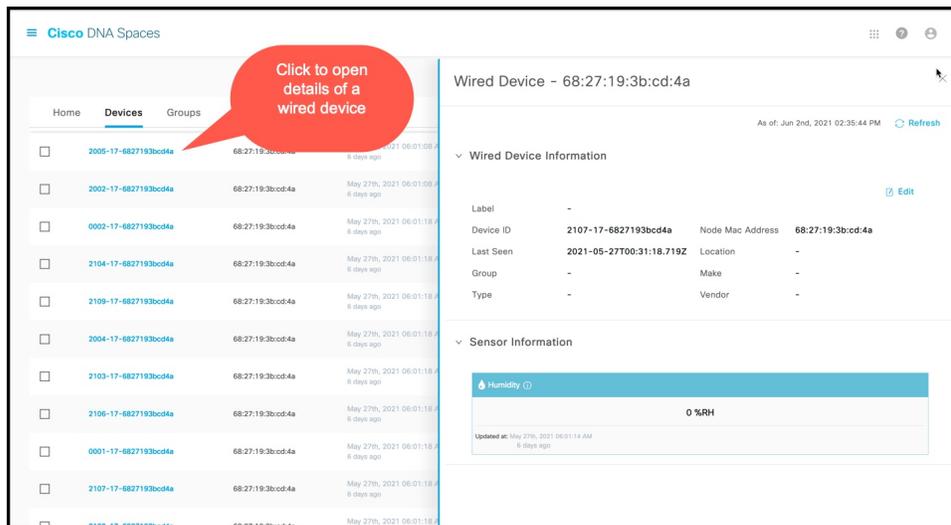
Step 1 In the Cisco Spaces dashboard, choose **IoT Gateways > Wired Gateways** and click **All Switches**.

Figure 7: Uninstalling or Upgrading an IoX Application



Step 2 Click the MAC address of the switch to open the **Wired Switch** window containing the details.

Figure 8: Uninstalling or Upgrading an IoX Application



Step 3 In the **App Management** section, you can see the applications available for installation, uninstillation, or upgrade. Do one of the following:

- To uninstall, click the uninstall icon near the Cisco Spaces Wired app.
- To upgrade, check if a version is available for upgrade near the Cisco Spaces Wired app and click it.
- To upload tech support files to the connector, click the gear icon.

Figure 9: Uninstalling or Upgrading an Cisco Spaces Wired app

The screenshot shows a web interface for managing a Cisco Spaces Wired app on a switch. The title is 'Wired Switch - catalyst-9300-qa-1'. The data is as of Sep 20th, 2021 01:56:43 PM. There are 'Refresh' and 'Close' icons in the top right.

Wired Gateway Information

Mac Address	f8:a7:3a:bb:22:80	Name	catalyst-9300-qa-1
Status	UP	IP Address	10.22.243.73
IOx App Name	cisco_dnas_wired_iox_app	IOx App Version	1.0.25
IOx Last Heard	Aug 28th, 2021 07:18:15 AM 23 days ago	Last Seen	Sep 20th, 2021 01:47:04 PM 10 minutes ago
Mode	-	Product ID	C9300-24U
Serial Number	FJC25111E2E	SW Version	Cisco IOS Software [Amsterdam], Catalyst L3 Switch Software (CAT9K_IOSXE), Version 17.3.3, RELEASE SOFTWARE (fc7)
Type	CHASSIS		

App Management

Available Apps

WIRED Cisco DNA Spaces Wired App
Upgrade to v1.0.26
Enable configuration of Wired Gateway within compatible switches

[Download](#)

> Request History

The switch, which is the wired gateway, receives these change requests for installation. You can observe the progress on the displayed window. You can also check the status of the wired gateway deployment by clicking the **Deployment status** icon at the top-right corner of the dashboard (in the **AP Gateways** window). Here, you can see the deployment status of the wired gateway at a more detailed level. You can see whether the gateway is enabled and whether an app is being installed. Unlike bulk history, you can view the details of an individual wired gateway. If the gateway deployment fails, the reasons are listed here.