

Cisco Spaces Connect for IoT Services Release Notes

Release 1.0.0

Introduction to Cisco Spaces Connect for IoT Services

The Cisco Spaces Connect for IoT Services solution enables delivery of advanced BLE capabilities over Cisco Catalyst Wireless infrastructure. The key component of this solution is the IoT Orchestrator which is a Cisco IOx application that can be deployed on any existing Cisco Catalyst 9800 Wireless Controller platforms running software version Cisco IOS-XE 17.15.1 and later. With the Cisco Spaces Connect for IoT Services solution, you have capabilities to securely onboard and control BLE devices, and consume data telemetry using the Message Queuing Telemetry Transport (MQTT).

Release History

Date	Description
August 28, 2024	Release 1.0.0

Supported Licenses

- Spaces Smart Ops
- Spaces ACT
- Spaces Unlimited

System Configuration

The following Cisco APs are supported in this release.

Supported Access Points

- Cisco Catalyst 9105AX Access Points
- Cisco Catalyst 9115AX Access Points
- Cisco Catalyst 9120AX Access Points
- Cisco Catalyst 9130AX Access Points
- Cisco Catalyst 9124AX Access Points
- Cisco Catalyst 9136 (I) Access Points
- Cisco Catalyst 9162 (I) Access Points
- Cisco Catalyst 9164 (I) Access Points
- Cisco Catalyst 9166 (I) Access Points

NOTE: Cisco Catalyst 9115AX APs support only scanning and advertising.

Supported Platforms

- Cisco Catalyst 9800-L Wireless Controller
- Cisco Catalyst 9800-CL Wireless Controller

NOTE:

- In newer C9800-CL platform deployment, choose one of the two new "**platform resource app-heavy**" templates to allocate additional resources for IoT Orchestrator. Once the C9800-CL node comes up, you must configure the "**platform resource app-heavy**" command in the configuration prompt mode before starting the IoT Orchestrator Day 0 deployment. To activate the template, you will need to save and reboot the controller.
- C9800-CL does not support Small template (low throughput and high throughput) for IoT Orchestrator deployment.
- Cisco Catalyst 9800-40 Wireless Controller
- Cisco Catalyst 9800-80 Wireless Controller
- Cisco Catalyst CW9800M Wireless Controller
- Cisco Catalyst CW9800H1 and CW9800H2 Wireless Controllers

Software Features

New Software Features

Feature	Description
Connected BLE (Bi-directional BLE)	BLE device connection and GATT notification.
BLE Pairing	Secure data transmission over encrypted channel.
BLE Mobility	*Planned on Wi-Fi6E and future APs.
APIs	Onboarding and control.
MQTT	Data Telemetry and subscriptions.

Release Image

Download the IoT Orchestrator (**Spaces Orchestrator Software**) image that will be posted in the following page:

<https://software.cisco.com/download/home/286323456/type>

Note: The **Spaces Connect for IoT Services** is now in **Public Beta**.

For more information about the Spaces Connect for IoT Services, see the **Related Content**.

For further help, you can reach out to Cisco TAC or write to: c9800-spaces-connect-for-iot-services@external.cisco.com

Open Issues

Click the bug ID to access the Bug Search Tool and see additional information about the bug.

Bug ID	Headline
CSCwk76980	TI - BLED_CRASH is observed after mobility reconnect.
CSCwk19203	Python cores are generated when Cisco Catalyst 9800 Wireless Controller reloads in the middle of IoT Orchestrator installation or upgrade.
CSCwk81499	The IoT image is not deleted when image uninstall is denied.
CSCwk81517	The IoT Orchestrator GUI does not come up after recovery of one shot-install or upgrade.

Related Content

Document Title	Description
Cisco Spaces Connect for IoT Services Quick Start Guide	Cisco Spaces Connect for IoT Services Quick Start documentation
Cisco Spaces Connect for IoT Services Configuration Guide	Cisco Spaces Connect for IoT Services Configuration documentation
Cisco Spaces Connect for IoT Services Programmability Guide	Cisco Spaces Connect for IoT Services Programmability documentation
Cisco Spaces Connect for IoT Services Online Help	Cisco Spaces Connect for IoT Services Online Help documentation
Cisco Spaces Connect for IoT Services: Partner Developer Guide	Cisco Spaces Connect for IoT Services Partner Developer documentation

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- To find warranty information for a specific product or product family, access [Cisco Warranty Finder](#).

Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a gateway to the Cisco bug-tracking system, which maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. The BST provides you with detailed defect information about your products and software.

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