

Release Notes for Cisco Spaces

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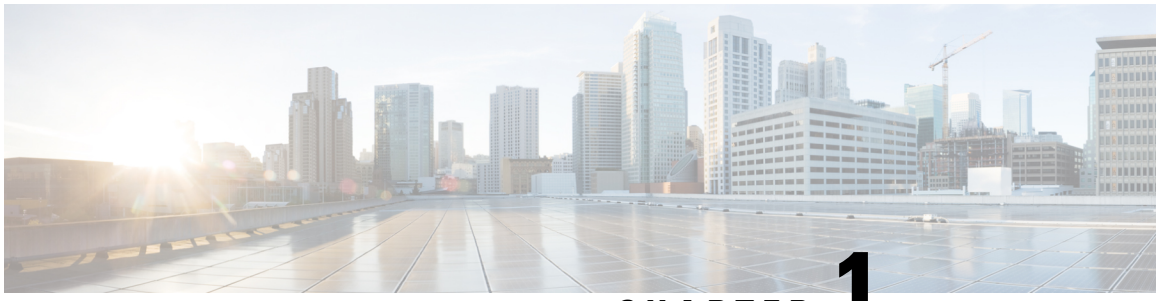
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CHAPTER 1

Overview

Note For Cisco Spaces Release Notes from 2023 and earlier, see Release Notes Archive for Cisco Spaces.

- Overview of Cisco Spaces, on page 1

Overview of Cisco Spaces

Cisco Spaces is a powerful location services platform that leverages the existing wireless as well as Internet of Things (IoT) and Bluetooth Low Energy (BLE) infrastructure to provide actionable insights and drive business outcomes through built-in applications in Cisco Spaces.

These insights include:

- **Location Analytics**: Provides the capability to slice and dice location data by time or location and get a deeper visibility into the behavior of users who are connected to your network.
- **Live Occupancy**: Provides a real-time count of the number of visitors (identified by the devices connected to Wi-Fi) within your physical space, and how this number compares with the historical average. Based on the authentication method that is in use, **Live Occupancy** reports can detect multiple devices belonging to a single user and count them as belonging to one visitor. The **Live Occupancy** app also provides reports based on the cameras deployed in customer locations, and whether these cameras are connected to the Cisco Spaces Cloud.
- **Visitor Trends**: Provides the capability to measure how frequently people visit your physical locations, and how much time they spend at these locations. This data is benchmarked monthly across all the locations. It also provides the capability to compare and benchmark the performance of your locations historically, by group or by industry.
- **Impact Analysis**: Provides the capability to measure the impact of at-location events, campaigns, and layout changes on the behavior of users who are connected to your network. It is easy to create an **Event** using the Cisco Spaces application and measure its impact based on the following:
  - The time spent by a user at a given location
  - The frequency during specific timelines, such as **Before**, **After**, and **During** the occurrence of an event

The Cisco Spaces application includes customer experience management apps such as **Captive Portals**, **Location Personas**, and **Engagements** that allow you to connect with your customers in real time when they are at your physical location. Additional applications include an **Asset Tracking** app, a service manager to manage and configure IoT services (BLE), if any, as well as an open API framework for extracting this data and correlating or integrating it into other enterprise systems.

Cisco Spaces provides a single dashboard interface to avail these multiple services through various location-based technologies and intelligence. Cisco Spaces also enables you to connect and engage with visitors at your physical business locations. It can be used in various industries, such as retail, manufacturing, hospitality, healthcare, education, financial services, and so on. The asset-tracking application in Cisco Spaces provides solutions for monitoring and managing the assets in your premises. Cisco Spaces offers variety of toolkits, apps, and APIs to turn these insights into actions.

Through its partner program, Cisco Spaces offers businesses access to various partner applications across verticals.

Cisco Spaces is compatible across Cisco Catalyst, Cisco AireOS, and Cisco Meraki infrastructure.

In addition to the services specified, the scope of the Cisco Spaces apps is extended to meet the business requirements that have risen due to the COVID-19 pandemic. Extensions are built in existing applications, and newer applications are added to meet specific requirements that have risen because of COVID-19. Extensions to apps, such as **Impact Analytics**, **Location Analytics**, **Visitor Trends**, and **Live Occupancy**, allow you to analyze the impact of COVID-19 on your business locations and enable you to take appropriate actions. For example, you can now create a rule based on the device density at your location, and be automatically notified if the number of people at your location exceeds a specific count or density (people per area). The **Location Analytics** app also allows you to share executive summary reports with your colleagues within your organization. Additionally, COVID-19-based trend analysis for individual or group locations can now be done using the **Visitor Trends** app. This enables the comparison of specific business locations with that of the overall organization as well as with your specific industry.

The **Proximity Reporting** app in Cisco Spaces provides a quick way to review the location history as well as device proximity history of an impacted device. Based on the user ID or MAC address, a report for a device location in a building for the last 14 days is generated along with the proximity of other devices. You can export the report and also share the same using the **Share** functionality. For more information about the **Proximity Reporting** app, see the Cisco Spaces Proximity Reporting App Configuration Guide.

Similarly, the **Detect and Locate** app allows you to cluster devices into specific counts to check and report on areas that might be violating social distancing guidelines. For more information about the **Detect and Locate** app, see the Cisco Spaces Detect and Locate Configuration Guide.

Cisco Spaces: **IoT Services** is a platform service within Cisco Spaces that enables you to claim, manage, and monitor IoT devices using Cisco's wireless infrastructure. IoT Services is designed to enable the management of IoT devices across vendors, form factors, and technology protocols. BLE is the first technology available for management using IoT Services. For more information about IoT Services, see the Cisco Spaces IoT Services Configuration Guide.

Cisco Spaces enables you to integrate third-party apps - **Partner Apps** to Cisco Spaces. The third-party apps are listed as partnership apps in the Cisco Spaces dashboard.

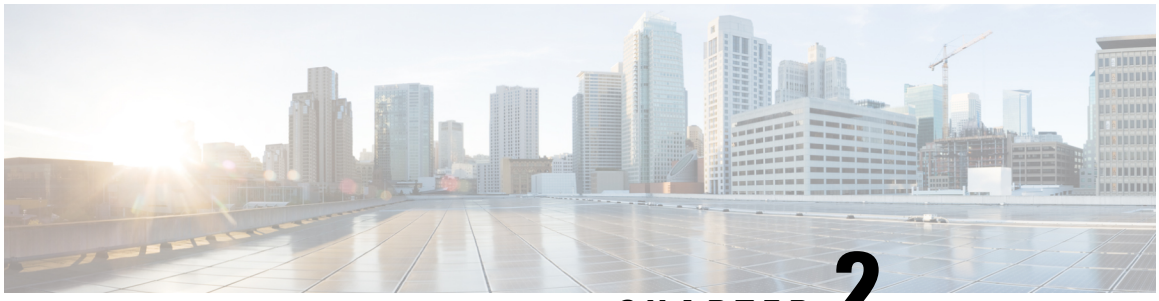
For additional information about Cisco Spaces, including setup and configuration, see the Cisco Spaces Configuration Guide.



PART I

2026

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CHAPTER 2

July 2026

- What's New in this Release, on page 5
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What's New in this Release

These new features are introduced in Cisco Spaces.

Cisco Spaces: Space Utilization

Space Utilization provides detailed utilization metrics for individual rooms. The campus, building, and floor views continue to display aggregate room utilization metrics that you can use to compare rooms.

The room level metrics are available as a Tab "Rooms" under the Floor View and it includes these summary metrics:

- **Room Utilization**
- **Peak Room Utilization**
- **Peak Occupancy**

The Room View also includes detailed charts such as:

- **Daily Utilization**
- **Room Utilization by Time of Day**
- **Room Utilization by Day of Week**
- **Room Occupancy by Occupant Count**
- **Room Occupancy by Booking Status**

The interactive, color-coded floor map displays the average and peak utilization for each room. Use the map to compare rooms and identify utilization patterns.

Note **Room Metric View** requires an active **PREMIER_W** or **PREMIER_CW** license.

For more information, refer to the Space Utilization section in the Cisco Spaces Configuration Guide.

What's Changed in this Release

Cisco Spaces: Space Experience

Consistent Default Map Views for Space Experience Signage

Cisco Spaces now uses the default map view configured for a **Digital Map** when you create a new signage configuration in **Space Experience**. This change provides a consistent map view across signages and reduces the need to configure each signage separately.

Using Default Map View

For new signage configurations, **Override the Default Map View** is disabled by default. The signage automatically uses the default map view configured for the selected building or floor, including the map position, pitch, bearing, and zoom.

To configure or update the default map view:

- Choose **Setup** > **Locations and Maps** > **Digital Maps**.
- Locate the required building or floor.
- In the **Actions** column, click the **More Options** icon and choose **Set default map view**.
- Adjust the map view and click **Save**.

If a particular signage requires a different map view, enable **Override the Default Map View** while configuring the signage in **Space Experience**. Next, define the signage-specific map position, pitch, bearing, and zoom.

Note Existing signage configurations continue to use their previously saved map views. To use the default map view for an existing signage, edit its configuration and disable **Override the Default Map View**.

For more information, refer to the Set Default Map View and Configure Signage in Space Experience sections in the Cisco Spaces Configuration Guide.

Cisco Spaces: Data Exports

Visits Export now includes an **Include PII** toggle in the **Create Export** and **Edit Export** workflows. Use this toggle to specify whether the **User Name** and **MAC** Address fields are included in exported visit data.

The toggle is enabled by default. When enabled, Visits Export files include the **User Name** and **MAC** Address fields. When disabled, the generated export excludes these fields. This update supports Visits Export configurations with or without PII.

Issues

Issues describe unexpected behaviour in the Cisco Spaces application.

Open Issues

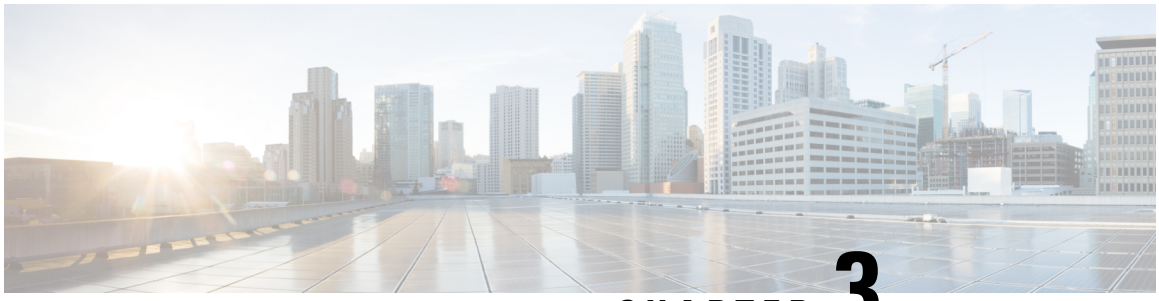
This section lists the open issues in this release of Cisco Spaces.

Table 1: Cisco Spaces Open Issues

Issue Identifier	Issue Description
CSCwv54285	High Amount of Rejections Uploading Multiple CAD Files to Process Digital Maps.
CSCwu24088	Zones created in Location Hierarchy do not reflect the same in Detect and Locate.

Resolved Issues

There are no resolved issues in this release of Cisco Spaces.



CHAPTER 3

June 2026

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- What's Changed in this Release, on page 10
- Issues, on page 11

What's New in this Release

These new features are introduced in Cisco Spaces.

Hamina Integration UI

Cisco Spaces now supports Hamina integration in Locations & Maps, allowing you to manage indoor mapping data in Hamina and bring that location hierarchy and floor information into Cisco Spaces for review and map workflow processing. This helps simplify map onboarding for organizations already using Hamina, while keeping validation and map handling aligned with the Cisco Spaces **Locations & Maps** experience.

With this release, you can connect Cisco Spaces with Hamina using a token-based integration and use Hamina as a supported source for location hierarchy data. After the connection is established, imported locations and floors can be reviewed in Cisco Spaces before moving forward in the map workflow.

This update introduces these capabilities:

- Support for Hamina as a location hierarchy source in Cisco Spaces
- Token-based integration between Cisco Spaces and Hamina
- Review of Hamina-imported locations and floors within Locations & Maps
- Floor order validation before continuing map processing

After the token is configured, location and floor data imported from Hamina becomes available in Cisco Spaces for review and validation.

For more information on Hamina integration, refer to Hamina integration.

Captive Portal

Multi Auth feature

Cisco Spaces: Captive Portal now supports Multi Auth, allowing administrators to configure alternate authentication methods alongside a primary authentication method.

Within the portal creation workflow, administrators can select a primary authentication method and add supported alternate methods such as Access Code, Social Sign-In, SMS with link verification, and SMS with password verification.

This enhancement provides greater flexibility to support different visitor types and access requirements within a single guest Wi-Fi experience. Administrators can also reorder authentication methods to control how they are presented to end users.

Data Capture: Custom Fields

The **Data Capture** workflow now supports custom fields, enabling administrators to collect additional visitor information based on business-specific requirements.

Administrators can configure up to three custom fields per captive portal. Supported field types include Plain Text, Radio Button, Check Box, Dropdown, and Date Picker.

This enhancement allows organizations to tailor visitor data collection beyond the standard fields available in the Captive Portal onboarding flow.

For more information, refer to the Captive Portal App Overview section.

What's Changed in this Release

Cisco Spaces: Partner Firehose

These enhancement are made in Cisco Spaces Partner Firehose.

Firehose now supports event type scoping for API filters. This allows customers to decide which event types each filter applies to independently for MAC, MAC OUI, iBeacon, and Eddystone filters.

New optional filter fields are available in the Firehose filter APIs:

- `macFilterEventTypes`
- `macOuiFilterEventTypes`
- `iBeaconFilterEventTypes`
- `eddystoneFilterEventTypes`

These fields are optional. If they are not provided, or if they are sent as an empty list, the existing default behavior is preserved. No changes are required for existing integrations.

API Behavior

- `GET /filters` returns the effective event type scope for each filter.
- `DELETE /filters` clears configured filters and resets event type scopes back to default behavior.

Bulk Credential Update for Wireless Controllers and Switches

This enhancement is made in Cisco Spaces.

Cisco Spaces now supports bulk credential updates for Wireless Controllers and Switches from the **Cisco Spaces** > **Setup** section. Administrators can select an existing username, review the associated devices, and update credentials for multiple devices in a single operation.

This enhancement supports SSH and NETCONF credentials for Wireless Controllers and NETCONF credentials for Switches, simplifying credential rotation and reducing configuration inconsistencies.

Issues

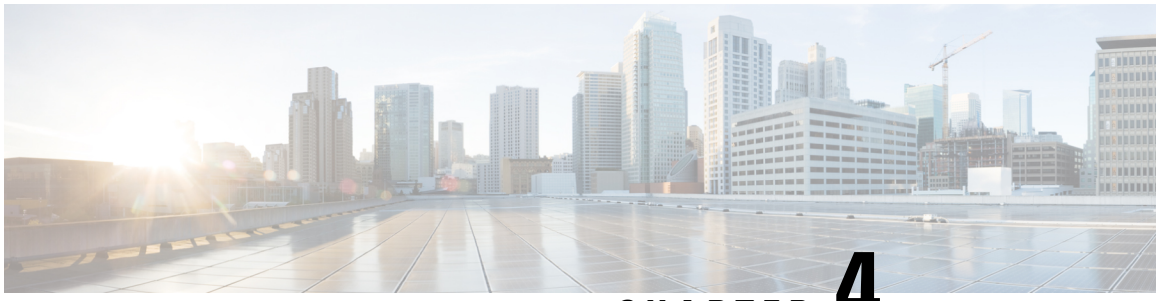
Issues describe unexpected behaviour in the Cisco Spaces application.

Open Issues

There are no open issues in this release of Cisco Spaces.

Resolved Issues

There are no resolved issues in this release of Cisco Spaces.



CHAPTER 4

May 2026

- What's New in this Release, on page 13
- What's Changed in this Release, on page 14
- Issues, on page 15

What's New in this Release

These new features are introduced in Cisco Spaces.

Cisco Spaces: Space Utilization App

Space Utilization reports can now be shared from the dashboard with both Cisco Spaces users and external recipients.

To share a report, enter the recipient's email address and an optional message. Recipients receive an email with a report snapshot and a link to access the report. Cisco Spaces users sign in to view the report. External recipients verify access with a PIN generated during authorization.

Sender can manage shared access from the dashboard, including - approve or reject requests, revoke access, and review re-share requests when recipients share the report with others.

For more information, refer to the **Share Reports** section.

Service Manager

These new features are introduced in Service Manager Release 3.2.9.19.

System Storage Management Commands

A new command, `connectorctl system-storage`, has been added to help administrators view and expand VM disk partitions and connector storage before performing image upgrades.

Supported commands:

- `connectorctl system-storage` *`show`*: Displays disk usage, partition layout, available free space for expansion, and LVM details.
- `connectorctl system-storage` *`expand`*: Automatically expands partitions to use available unallocated disk space.

HA Reset Command

Added a new CLI command `connectorctl ha reset`. This command resets the VIP configuration locally.

Service Logs Command

Added new commands for managing service log directories:

- `connectorctl service logs show`
- `connectorctl service logs clear`

These commands allow administrators to view and clear service log directories.

Note If you are with Day 0 June 2025 Connectors must upgrade to Service Manager 3.2.9.19 and expand storage using the new `connectorctl system-storage expand` before upgrading to the February 2026 image.

Local Firehose

This new feature is introduced in Local Firehose Release 3.2.3.4.

MAC Prefix Filter Command

Key capabilities include:

- Filtering for the default MAC prefix `00:0c:cc` is enabled. This feature is currently enabled only for an approved partner-specific deployment.
- Commands to allow or deny MAC prefixes.
- Commands to enable or disable the MAC filter.

What's Changed in this Release

Partner Firehose

This enhancement is made in Cisco Spaces Partner Firehose.

The Partner Firehose device-level events have been enhanced to provide improved visibility for devices evaluated against exclusion filters configured in the Live Occupancy (earlier called as Right Now) App.

With this enhancement, firehose device-level events will now be generated for devices that match exclusion filters such as SSID, username pattern, or manufacturer rules. These events will include occupancyAnalytics metadata that indicates whether the device was evaluated as INCLUDE or EXCLUDE based on the Right Now App settings.

This update applies to these firehose events:

- DEVICE_LOCATION_UPDATE
- DEVICE_PRESENCE
- DEVICE_ENTRY
- DEVICE_EXIT

- DEVICE_ASSOCIATION

Cisco Spaces Dashboard

This enhancement is made in the Cisco Spaces dashboard.

Cisco Spaces now allows the deletion of **AireOS** and **Catalyst 9800 Wireless Controllers** directly from the **View Controllers** page, located under:

Setup > **Wireless Networks** > **Connect AireOS Controller/Catalyst 9800 Wireless Controller Directly**

When a controller is deleted, it is automatically removed from the **View Controllers** page, and the corresponding controller count is updated accordingly.

Note Before deleting a controller from Cisco Spaces, ensure that the Cisco Spaces integration is disconnected from the controller.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

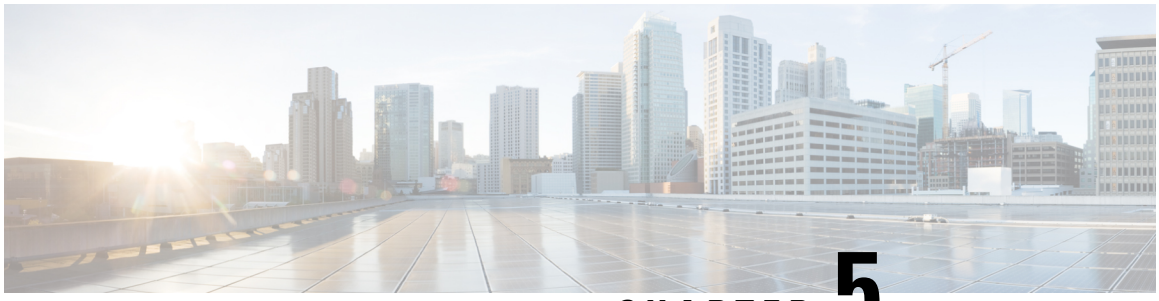
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 2: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwt95566	Filtering Assets in Locator tab doesn't work in new UI.
CSCwt89185	With Split Licensing, Floor set to ADVANTAGE is not allowing Digital maps upload
CSCwt55826	Cisco Spaces Connector local-firehose EhcacheManager - Initialize failed



CHAPTER 5

April 2026

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- Issues, on page 18

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

Cisco Spaces Dashboard

These enhancements are made in the Cisco Spaces dashboard.

Space Experience App

In the **Space Experience** App, the signage edit workflow has been enhanced with a Preview feature, allowing users to review how the signage will appear before publishing changes.

The preview now displays the selected signage type, building and floor location, updated latitude and longitude, configured widgets, map view settings, and Where Am I updates. This enables users to review configurations and ensure accuracy prior to publishing.

Signage

- Upgraded the room occupancy detection mechanism by replacing the previous method, which combined `PeoplePresence` and `PeopleCountOutOfCall` metrics, with the more reliable `RoomInUse` attribute.
- This change significantly increases occupancy detection accuracy, ensuring data better reflects real-time room usage.

Partner Firehose

This enhancement is made in the Cisco Spaces Partner Firehose.

Added support for PM2.5 (Mass Concentration) data in Firehose IOT_TELEMETRY events for customers connected to Cisco Spaces through Cisco Meraki networks. With this enhancement, you can leverage enhanced air quality monitoring capabilities and gain deeper environmental insights.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 3: Cisco Spaces Open Issues

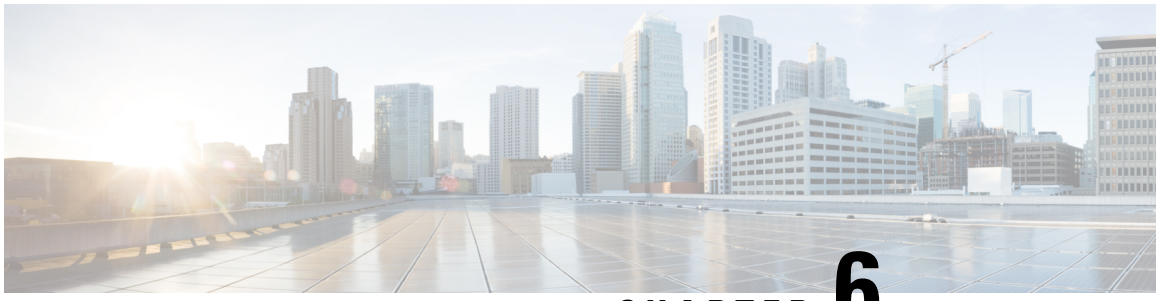
Issue Identifier	Issue Description
CSCwt89185	With Split Licensing, Floor set to ADVANTAGE is not allowing Digital maps upload.
CSCwt95566	Filtering Assets in Locator tab doesn't work in new UI.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 4: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwt40798	BLE tags (represented as blue dots) disappear upon selecting a floor that has zones configured in the Locator tab of IoT Explorer.



CHAPTER 6

March 2026

- What's New in this Release, on page 19
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- Issues, on page 21

What's New in this Release

This new feature is introduced in Cisco Spaces.

Cisco Spaces: IoT Services License Management Enhancement

This release introduces enhanced license management capabilities for IoT Services, enabling more granular control and improved governance at the campus and building levels.

Key features

- **Campus- and Building-Based License Support**

  IoT Services licenses can now be assigned and managed at the campus or building level. This provides greater flexibility for deployment and scalability.

- **Configuration Restricted Without Valid License**

  Users cannot configure IoT Services at a campus or building level unless a valid license is assigned to that location.

- **Read-Only Access for Unlicensed Locations**

  Users have read-only access to campuses and buildings without the required IoT Services license, ensuring visibility while maintaining compliance.

- **Hierarchical License Upgrades per Tenant**

  Tenants can add higher-tier licenses at the campus or building level within the location hierarchy to unlock additional IoT Services features as needed.

What's Changed in this Release

Cisco Spaces Dashboard

These enhancements are made in the Cisco Spaces dashboard.

Single Floor Map Release: Digital Maps Just Got Faster, Smarter, and Easier to Manage

This release delivers a significant upgrade to the Digital Maps experience, simplifying the management of buildings, floors, and map processing at scale.

Key features

- **Digital Maps management**: Working with your building floor plans is now simpler and more efficient than ever with the redesigned Digital Maps management.
- **Floor-Level Management & Publishing**: The new listing screen provides a floor-level view with contextual actions based on each floor's status—from setting the building address to adding floors, uploading CAD files, and reviewing, editing, or publishing maps

  Granular per-floor statuses replace the earlier building-level view, and each floor can be reviewed and published independently on its own schedule.
- **Streamlined Upload with AI Previews**: The upload wizard has been simplified to a single step — update floor metadata and upload CAD files for multiple floors in one shot. Level numbers can now be edited during upload. AI-generated previews are typically available within 15 minutes, so you can catch issues early — and cancel processing if needed.
- **Custom Map View Defaults**: Set default viewing angles (pitch, bearing, zoom) per floor, or apply consistent settings across all floors in a building.

Partner Firehose Enhancement

This release includes optimizations to the network topology API, reducing response times and improving Cisco Spaces performance, while enhancing overall reliability and efficiency.

Location Service

These enhancements are made in the Location Service Release 3.2.4.42.

- Enabled TLS 1.3 support for Location NMSP to ensure compatibility with Cisco Catalyst Release 26.x.
- Enhanced Catalyst controller discovery logic to recognize "CUST_SPECIAL" signatures in the output of the show version command.
- Implemented a fallback mechanism using Netconf to ensure reliable version identification. Improved logging around Netconf for better troubleshooting.
- Added a new message type to notify Cisco Spaces of APLocation requests.

IOx Application for IoT Service (Wireless) Version 1.8.x

These enhancements and fixes are available in the IOx Application version 1.8.x:

- **New IOx Application Image**

  Cisco Catalyst 9800 Series Wireless Controller version 26.1.x introduces AP firmware changes that require an updated image for the 64-bit IOx application.

  Upgrade the IOx Application to version 1.8.x on Cisco Catalyst 9800 Series Wireless Controllers that are running version 26.1.x or later.

Note IOx Application Version 1.7.x is not supported on Cisco Catalyst 9800 Series Wireless Controllers running version 26.1.x or later and will fail to function.

- **Improved Visibility and Diagnostics**
  - Enhances stream configuration progress messaging and payload identification messages for better visibility during setup.
  - Adds support for an exclude list of MAC prefixes, allowing administrators to filter out specific devices from BLE scanning.
  - Introduces priority queue support to manage and buffer requests from Cisco Spaces, ensuring reliable message delivery during high-load conditions.
- **UWB and BLE Support Enhancements**
  - Adds support for new UWB tags.
  - Adds fix for firmware upgrade and configuration of third-party vendors using Kontakt firmware.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 5: Cisco Spaces Open Issues

Issue Identifier	Issue Description
CSCwt40798	BLE tags (represented as blue dots) disappear upon selecting a floor that has zones configured in the Locator tab of IoT Explorer.

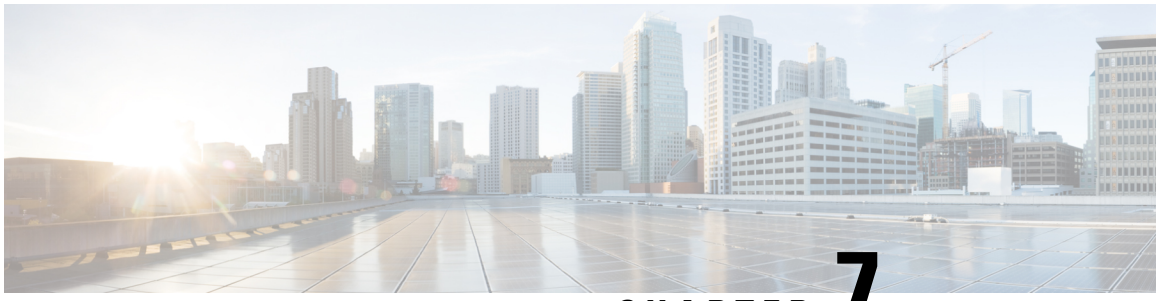
Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 6: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwt45160	React: Getting Invalid email error when we have top level domain name with more than 4 chars.
CSCwt54402	Webex workspace auto linking to wrong Spaces Workspace.

Issue Identifier	Issue Description
CSCwt49766	Captive Portal authentication failing due to Radius timeout.
CSCwt48393	Newly imported zones not shown in the Location Hierarchy(New UI) and do not have a NetworkID in the API response.
CSCws50725	3.2: Ap to Connector grpc is down after upgrading to 3.2.3.33.



CHAPTER 7

February 2026

- What's New in this Release, on page 23
- What's Changed in this Release, on page 23
- Issues, on page 24

What's New in this Release

This new feature is introduced in Cisco Spaces:

Location Service

The Location Service Release 3.2.3.33 introduces support for the new UWN TDOA TDL, specifically targeting Cisco Catalyst 9800 Series Wireless Controller version 17.18.2.

What's Changed in this Release

These enhancements are made in Cisco Spaces.

Cisco Spaces Dashboard

These enhancements are made in the Cisco Spaces dashboard.

Error Boundary Enhancements

The Cisco Spaces Dashboard is enhanced to support a more reliable and seamless dashboard experience. These enhancements ensure smoother navigation, faster recovery, and greater confidence in using the dashboard.

- **Improve stability**: When a module encounters an unexpected error, the dashboard shows a recovery screen instead of crashing the entire page.
- **Isolate errors automatically**: Errors in one section, such as Maps or Smart Rooms, do not affect other sections. Only the module with the issue displays an error message.
- **Enable one-click recovery**: You can retry or navigate away from a failed module without refreshing the browser.
- **Increase error visibility**: The system automatically captures and logs unhandled errors and failed page loads. This helps us quickly identify and fix issues.

Zone Enhancements

Prior to this release, zone creation was supported only for 2D network maps generated directly from location data. With this release, zone creation capabilities are extended to cover 2D maps derived from rich maps.

You can now seamlessly draw and manage zone locations on these maps, ensuring consistent functionality across both network maps and CAD-derived rich maps.

Location Service

These enhancements are made in the Location Service Release 3.2.3.33.

- Updated the formatting of FastLocate messages to ensure they are correctly captured and displayed within the MAC debug viewer.
- Fixed encryption and decryption failures on FIPS-enabled systems, which was identified as a secondary cause for memory leaks in FastLocate messaging.
- Enhanced TDL deletion when the controller is removed from the connector.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 7: Cisco Spaces Open Issues

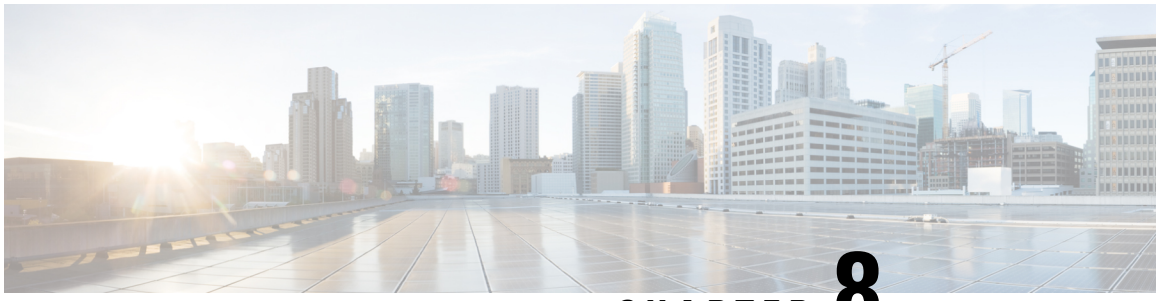
Issue Identifier	Issue Description
CSCwt11133	Webex devices tab in meeting room shows (0) and displays meeting room info instead of device details in the new spaces UI
CSCwt29350	Cannot Clear out Calendar Activation from Integrations tab
CSCwt27912	Hotspot Client Certificate Renewal Failure Causing Authentication Disruptions

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 8: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCws82925	Meraki Integration syncs all non-Cisco Spaces tagged networks.
CSCwq91293	All WLCs on Spaces Dashboard showing as Inactive as Control channel going DOWN temporarily.
CSCwr69026	SJC Alpha Prod Cisco Spaces- Connector>Wireless>'Test Connectivity' Fails.



CHAPTER 8

January 2026

- What's New in this Release, on page 25
- What's Changed in this Release, on page 25
- Issues, on page 31

What's New in this Release

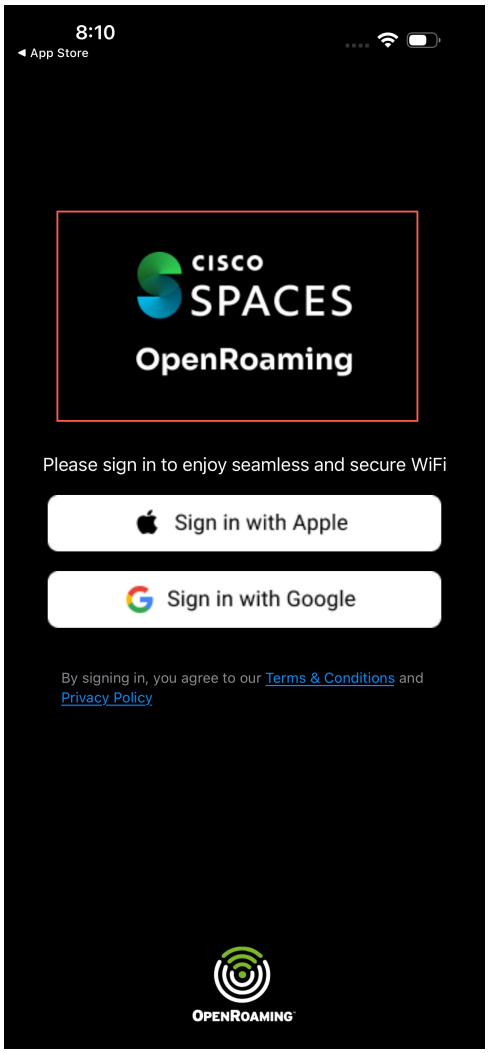
There are no new features in this release of Cisco Spaces.

What's Changed in this Release

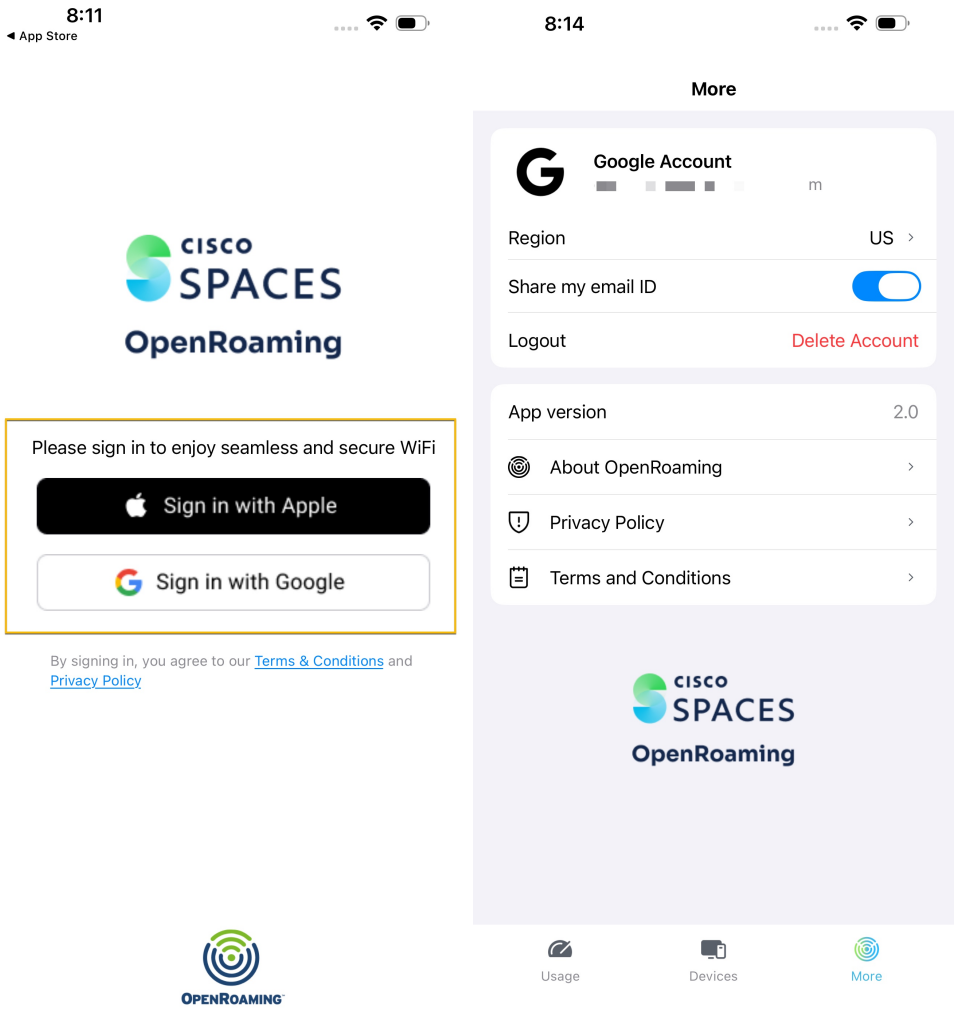
These enhancements are made in Cisco Spaces: OpenRoaming App.

The **OpenRoaming** iOS app has been redesigned for better experience.

- **App Rebranding**: The **OpenRoaming** app is now rebranded as the Cisco Spaces App. This rebranding reflects the expanded capabilities and continued commitment to delivering a seamless connectivity experience.

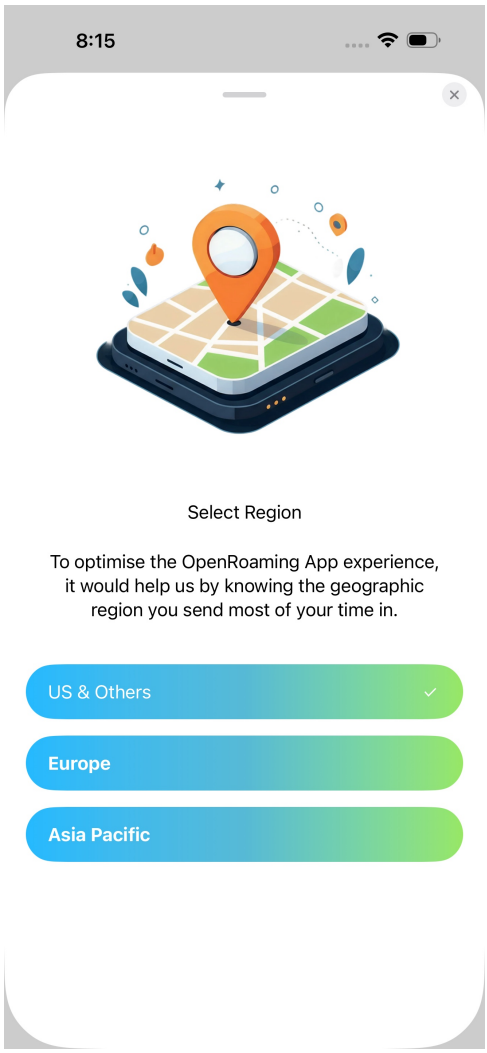


- **Google Sign-In**: Quick and secure access is now even easier. You can sign in using your Google account directly within the application, eliminating the need to remember another password.

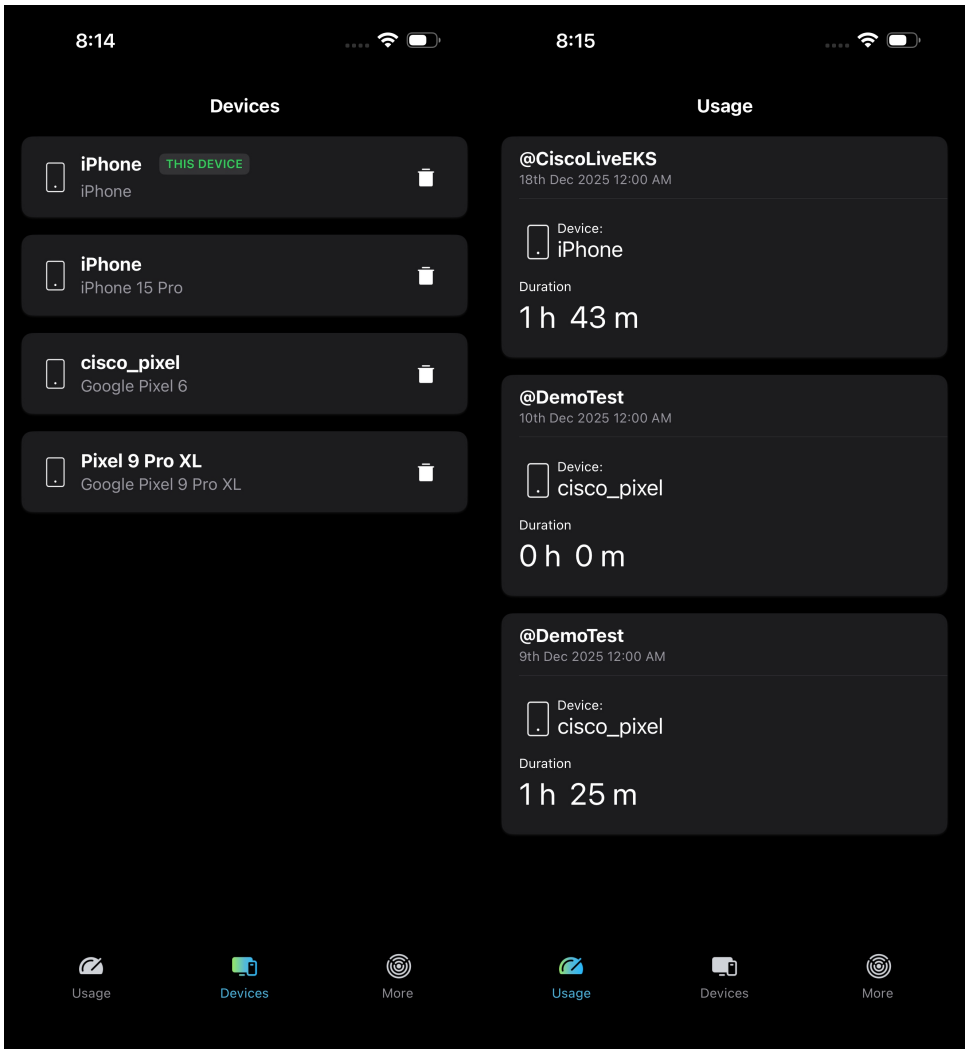


- **Simplified Experience**: The interface is cleaned up and redesigned to make getting started easier than ever. The streamlined sign-up flow and improved navigation help users to connect faster with fewer steps.

  Region update: With this enhancement, you can use the **More** > **Region** feature to switch to a different region. After you change the region, you are automatically logged out of the app. The new region update takes effect after your next login.



- **Dark Mode**: A sleek new dark theme designed to reduce eye strain in low-light environments while also helping conserve battery life on supported devices.



Cisco Spaces Data Export

To ensure a more consistent data structure, Cisco Spaces is standardizing the values used in the **Location Type** parameter in its data export files. This update simplifies the identification of zones and organizations across different network types.

The updates to the values in the **Location Type** parameter are:

Table 9: Location Type

Previous value	New value	Description
cmxzone merakizone	zone	Unified value for all zone types
meraki	org	Updated value for customers connected to a meraki network

Previous value	New value	Description
MSE	cmx	Updated value for customers connected via CMX



Note To ensure continued compatibility with your data exports, review and update your data processing workflows and logic to accommodate the new values: **zone**, **org**, and **cmx** in the **Location Type** field.

Cisco Smart Workspaces

Signage 2.0 introduces a refreshed, touch-first experience for Smart Workspaces. This release features a modernized kiosk and signage interface with a cleaner look, intuitive navigation, and improved backend scalability to support future enhancements.

Redesigned Touch-First Interface

- Contemporary layouts optimized for seamless kiosk interactions
- Enhanced touch responsiveness for faster, more intuitive user experiences
- Streamlined on-screen navigation for improved usability

Enhanced Widgets

- **Floor Occupancy and Environmental Widgets**: Now displayed at the top of the screen with a new dial design for greater legibility and accessibility
- **Adaptive Sensor Widget Layout**: Widgets appear on the kiosk interface only when relevant sensor data is available. If data from a sensor is not received, the corresponding widget is automatically hidden, resulting in a streamlined and clutter-free user experience

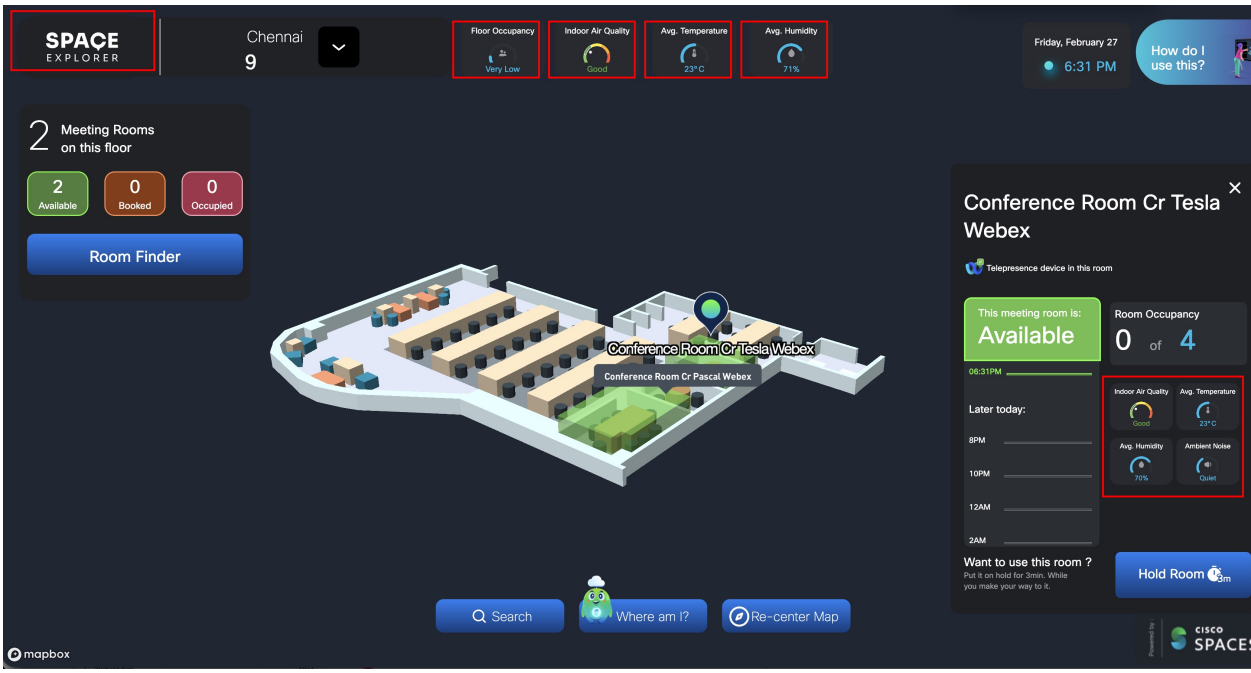
Custom Branding

- By default, the kiosk displays **Spaces Explorer**
- Customers can personalize their workspace by uploading their logo via **Space Experience** > **Settings**
- The uploaded logo appears in the top-left corner of the kiosk application

Figure 1: Signage 1.0



Figure 2: Signage 2.0



Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 10: Cisco Spaces Open Issues

Issue Identifier	Issue Description
CSCws67459	BASE LICENCE keeps changing between UNLIMITED and PREMIER (W).
CSCws76971	Post Deletion of Directly Connected Controllers from Spaces Dashboard, total count of Directly Connected WLCs remains same

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 11: Cisco Spaces Resolved Issues

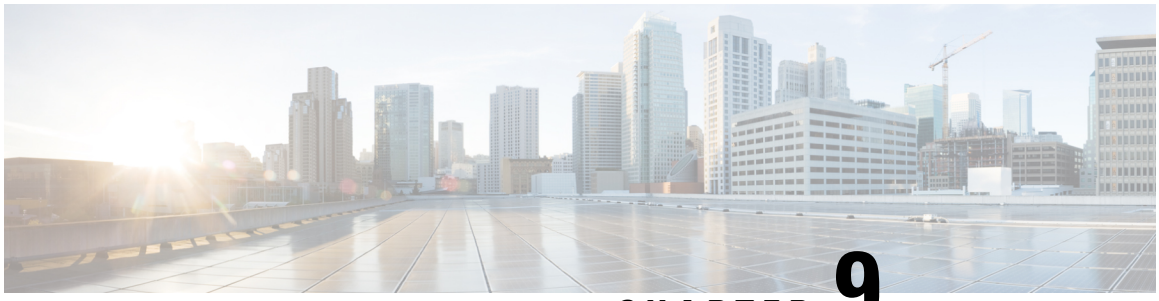
Issue Identifier	Issue Description
CSCws91166	Location name contains the foreign characters not exported properly.
CSCws82925	Meraki Integration syncs all non CiscoSpaces tagged networks
CSCwr86129	Connector Upgrade Banner Showing Incorrect/Confusing information.



PART II

2025

- December 2025, on page 35
- November 2025, on page 41
- October 2025, on page 47
- September 2025, on page 49
- August 2025, on page 51
- July 2025, on page 55
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- April 2025, on page 61
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- January 2025, on page 71



CHAPTER 9

December 2025

- What's New in this Release, on page 35
- What's Changed in this Release, on page 35
- Issues, on page 39

What's New in this Release

There are no new features in this release of Cisco Spaces.

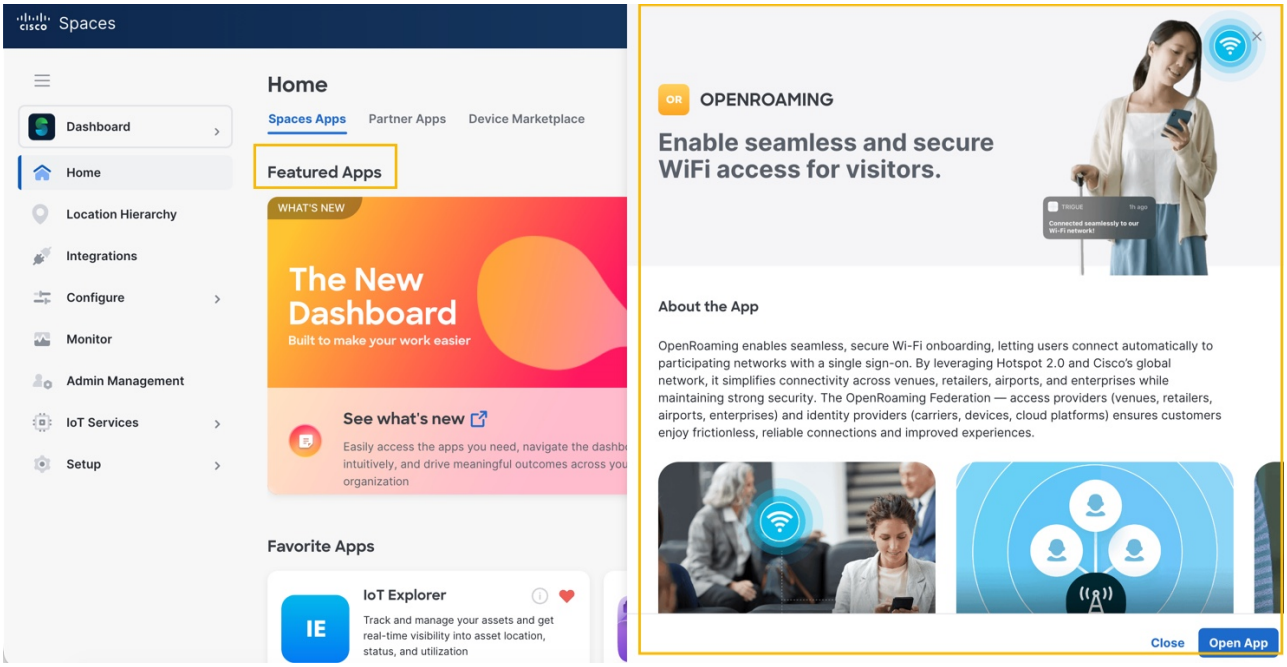
What's Changed in this Release

The following enhancements are made in Cisco Spaces beta UI:

Cisco Spaces Dashboard

In the **Home** page, click a featured app card to open the overview drawer instead of launching the app directly.

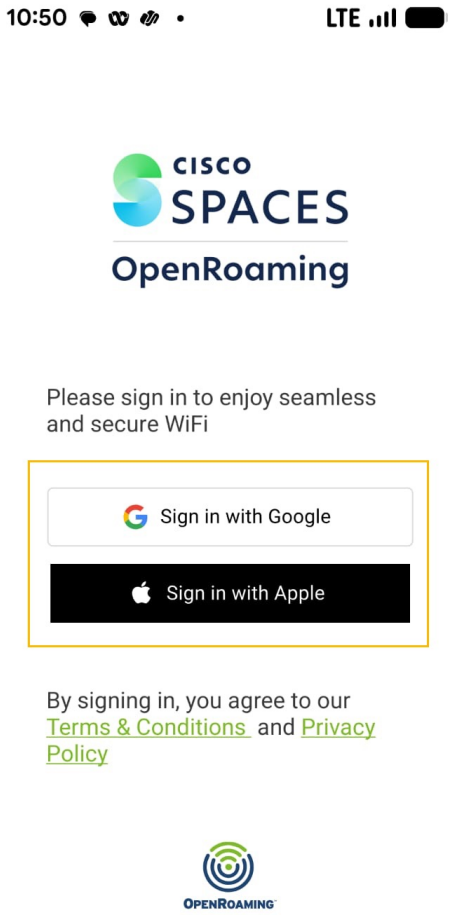
Figure 3: Featured Apps Cards



OpenRoaming App

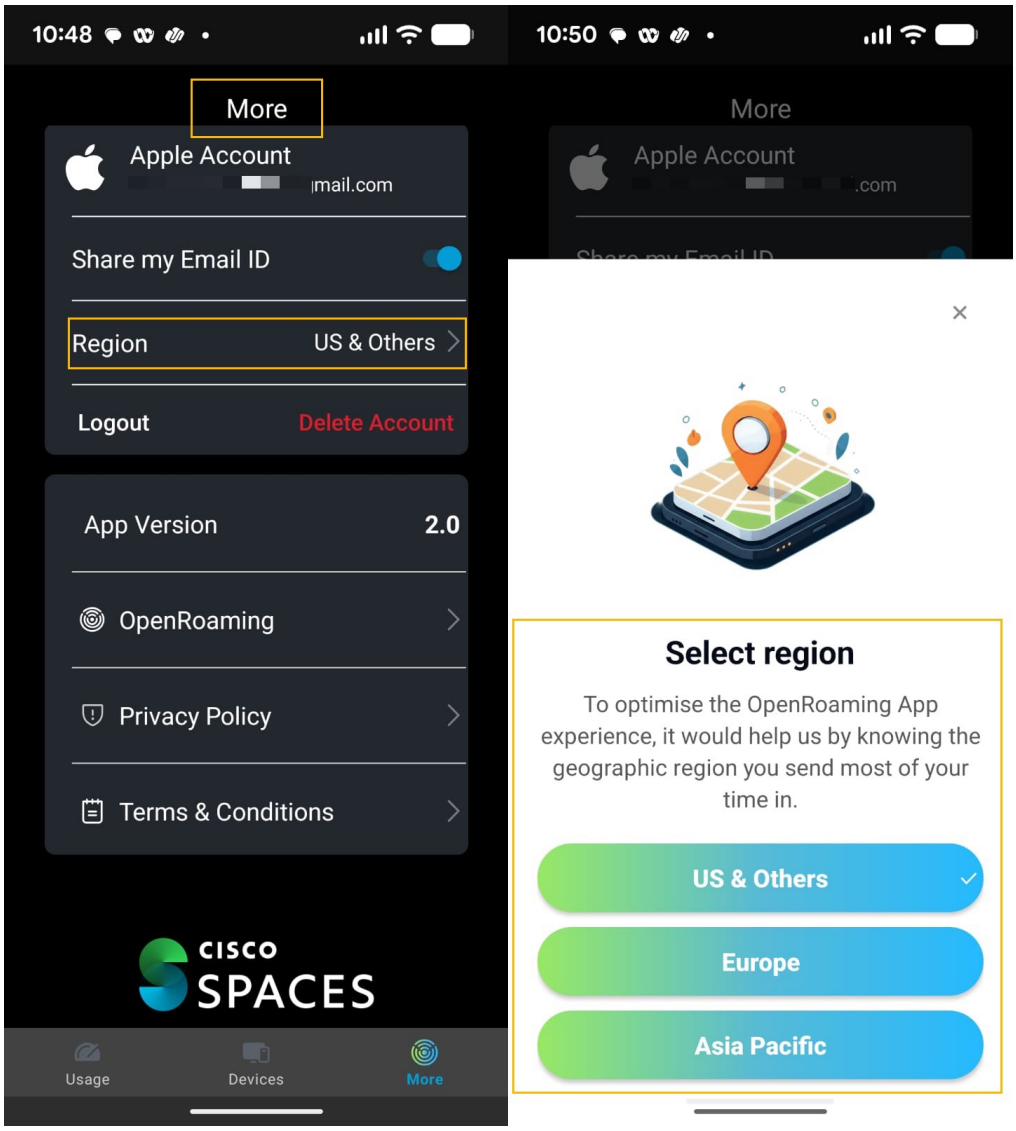
The OpenRoaming Android app is redesigned to improve user experience with these updates:

- **App rebranding**: The OpenRoaming app is now renamed as the Cisco Spaces **OpenRoaming** App, reflecting expanded capabilities and a commitment to seamless connectivity.
- **Google Sign-In**: You can now sign in quickly and securely using your Google account within the app, removing the need to remember an additional password.

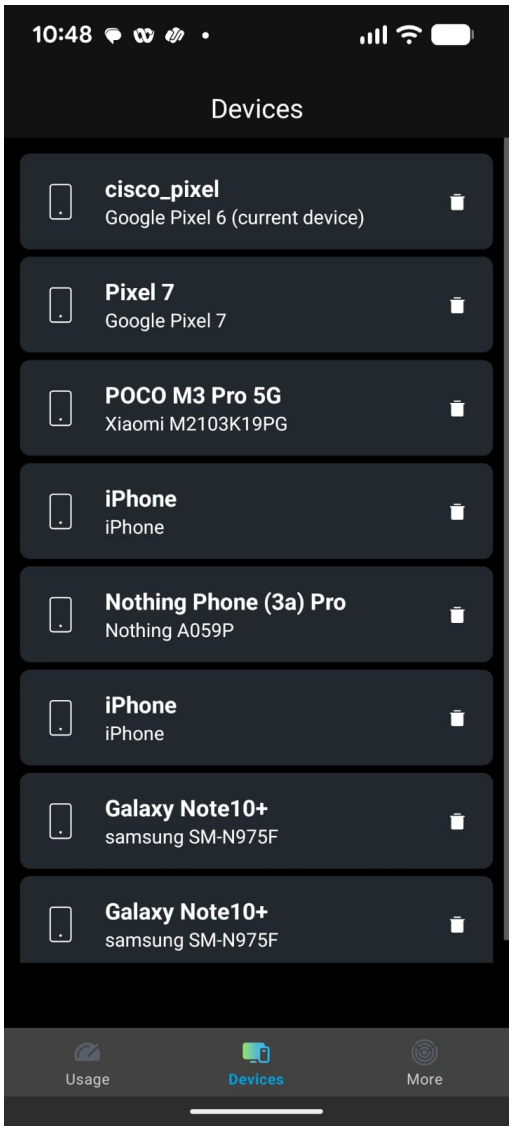


- **Simplified experience**: The user interface is cleaned up and redesigned for easier onboarding, featuring a streamlined sign-up flow, and improved navigation to help you connect faster with fewer steps.

  Region update: With this enhancement, you can use the **More** > **Region** feature to switch to a different region. After you change the region, you are automatically logged out of the app. The new region update takes effect after your next login.



- **Dark mode**: A new dark theme reduces eye strain in low-light environments and conserves battery life on supported devices.



Platform Enhancements

This release includes a persistent database system upgrade that improves Cisco Spaces performance while increasing reliability and efficiency.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 12: Cisco Spaces Open Issues

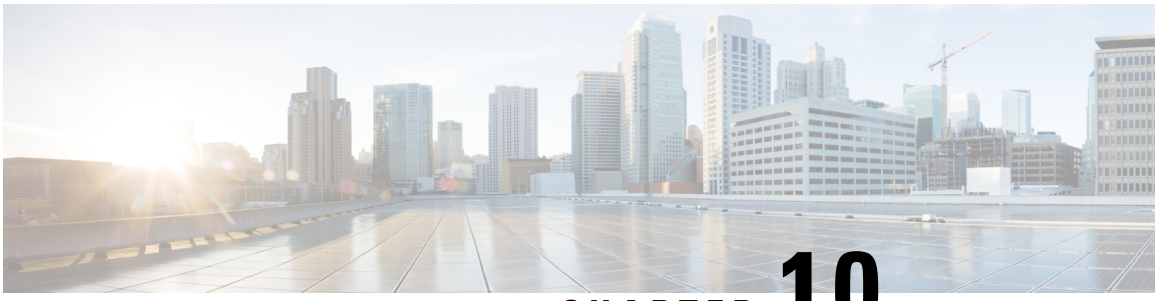
Issue Identifier	Issue Description
CSCws43549	Space Manager app doesn't work in BETA UI version
CSCws49045	Space Manager: In Devices section the webex device icons not placed over the meeting rooms when multiple devices are present in meeting room

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 13: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCws40882	Location and Maps shows deleted location hierarchy entries



CHAPTER 10

November 2025

- What's New in this Release, on page 41
- What's Changed in this Release, on page 44
- Issues, on page 45

What's New in this Release

These new features are introduced in Cisco Spaces:

Cisco Spaces: **Home UI**

The new and improved Cisco Spaces dashboard - **Home** page introduces these changes to enhance user experience and navigation:

- A new tab structure for Spaces Apps, Partner Apps, and Device Marketplace to streamline navigation and easy accessibility.
- App overviews now highlight the value, key personas, and provide quick setup guides.
- A feature to mark the apps as favorites. Click **Add to Favorites** (heart-shaped icon) displayed on the app tile to add them as favorites. A new section, **Favorite Apps**, is displayed with the apps marked as favorites.

Note While the dashboard and apps feature a more organized design for better performance, the functionality and features remain the same. Your data, instance, and access will not change.

Figure 4: Spaces Apps

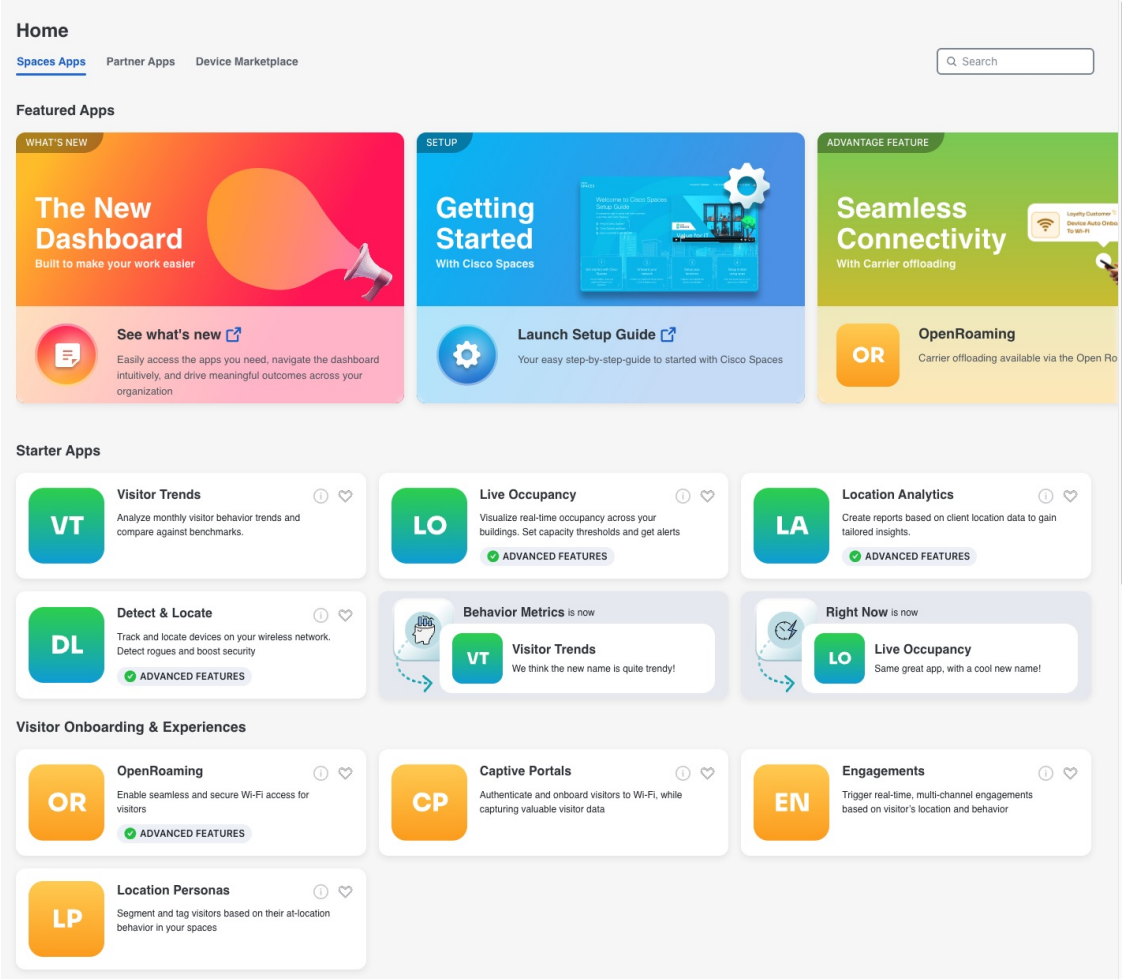


Figure 5: Partner Apps

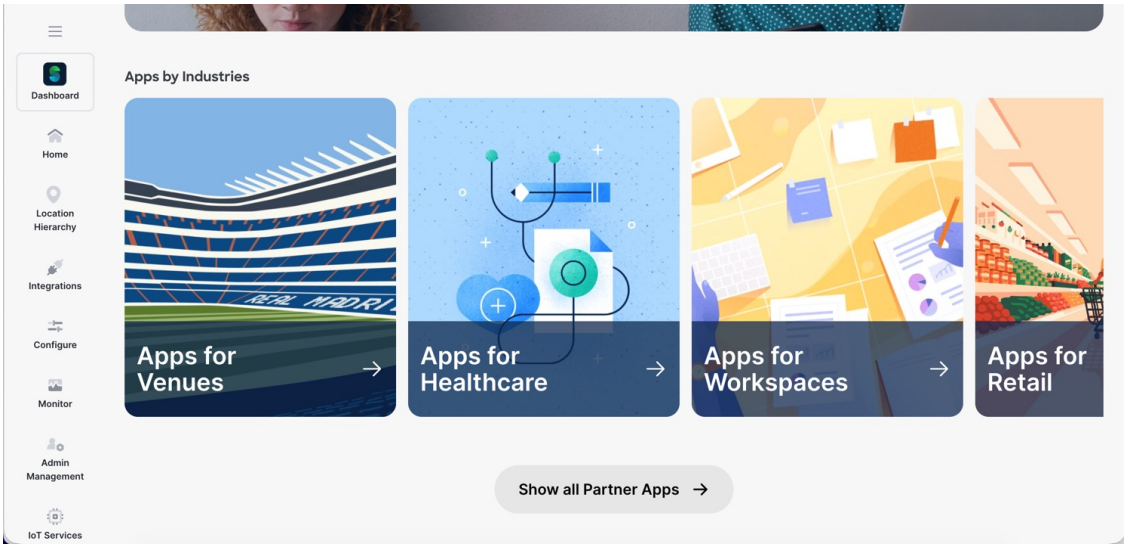


Figure 6: Device Marketplace

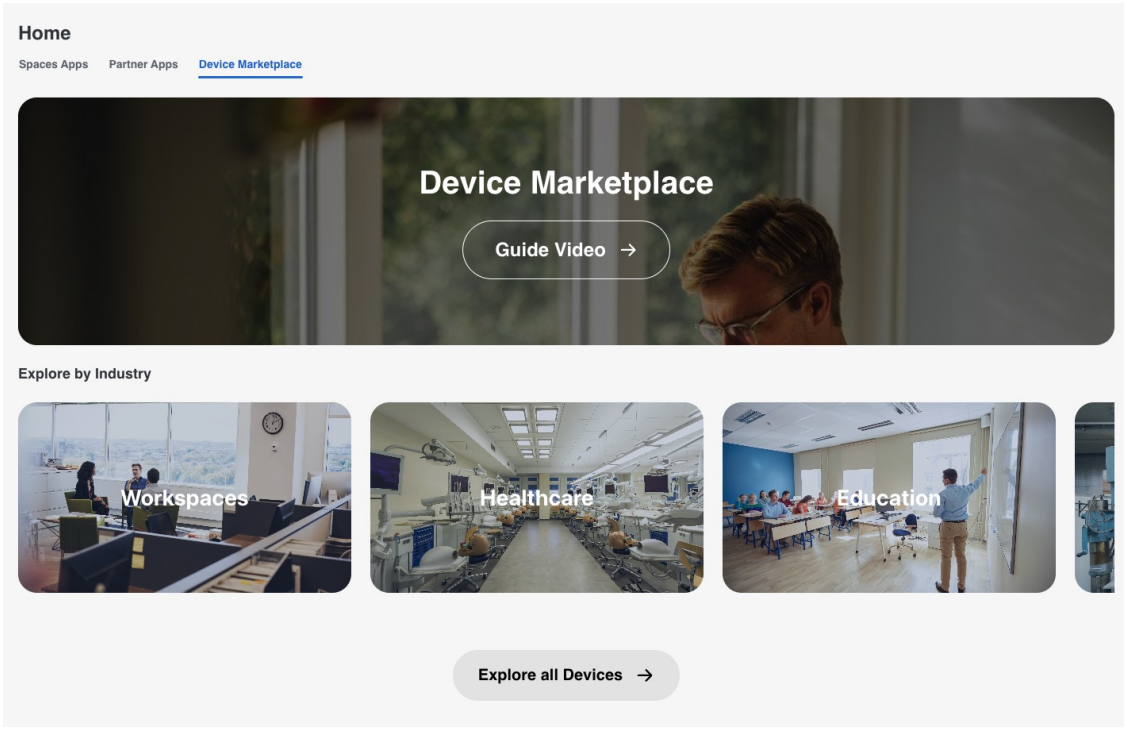
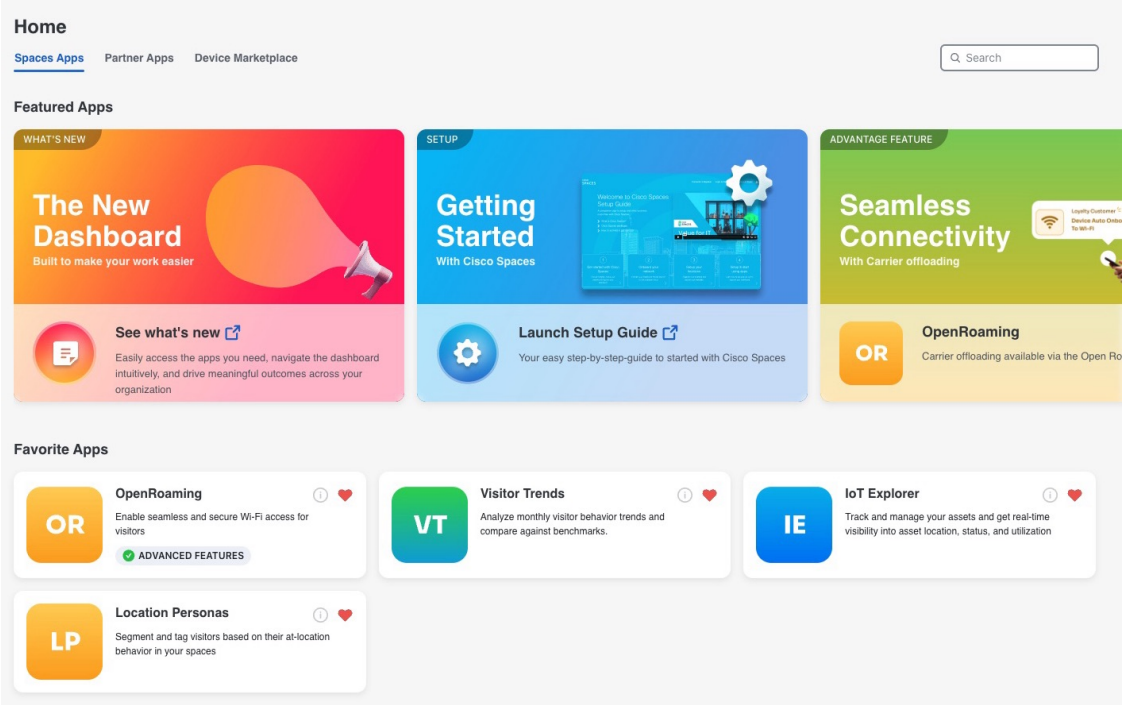


Figure 7: Favorite Apps



What's Changed in this Release

These enhancements are made in the Cisco Spaces:

Cisco Spaces: **Home UI**

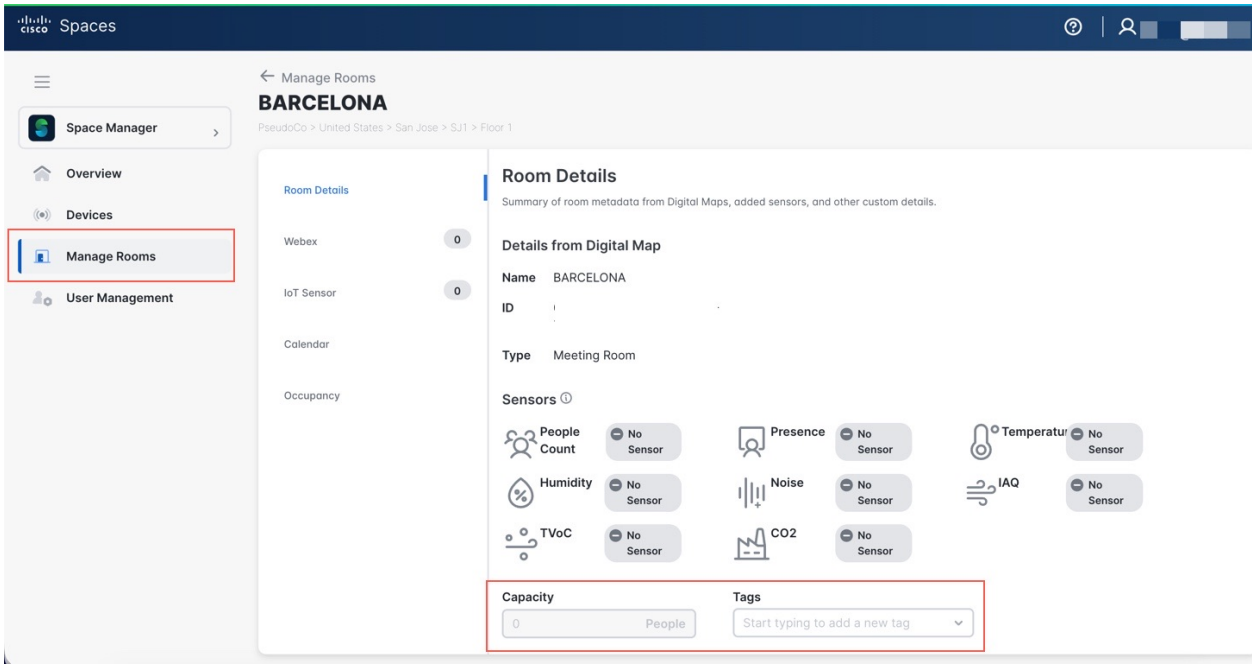
The new and improved Cisco Spaces dashboard includes enhancements to the **Home** page. Apps have been renamed and regrouped by use case.

Right Now is now called **Live Occupancy**, and **Behavior Metrics** is renamed **Visitor Trends**.

Space Manager App

In the **Space Manager** app, the **Space Management** tab is renamed to **Manage Rooms**. All functionalities and features remain the same. You can use the new **Export** feature to download room details as a CSV file. For any room you select, you can add **Capacity** and **Tags** metadata to room details for additional information. These changes are designed to help you manage rooms more efficiently.

Figure 8: Manage Rooms



OpenRoaming

This release introduces two key enhancements to the Hotspot Client, focusing on improved logging capabilities and enhanced security.

Hotspot client versions: **3.1.0.179**, **3.2.3.42**

Syslog Support

The Hotspot Client now supports forwarding system logs to a customer-configured external syslog server. This enables centralized log collection, improved visibility, and faster troubleshooting.

For detailed configuration instructions, refer to the Syslog documentation.

RadSec TLS 1.3 Support

The Hotspot Client now supports **TLS 1.3** for RadSec connections, enhancing security by eliminating legacy cryptographic algorithms and reducing the overall protocol attack surface. TLS 1.3 also improves performance through faster connection establishment.

TLS 1.3 is enabled by default. You do not need to change your existing deployments; it remains fully compatible with TLS 1.2 and TLS 1.1.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

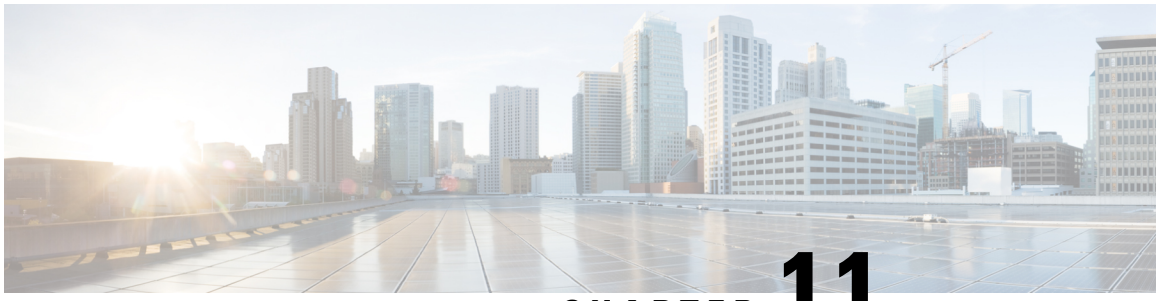
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 14: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCws19346	Error occurred while attempting to log in to the Spaces dashboard for SSO-authenticated users
CSCws12587	Add Digital Map in Beta Dashboard does not allow for negative numbers
CSCws01824	Connection timeout issues are occurring for customers because the app activation token contains an incorrect domain



CHAPTER 11

October 2025

- What's New in this Release, on page 47
- What's Changed in this Release, on page 47
- Issues, on page 48

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

These enhancements are made in the Cisco Spaces beta UI:

Manage Networks in Cisco Meraki Dashboard

This release introduces the **Manage Networks** capability for Cisco Meraki integration users. This enhancement gives users direct control over which Cisco Meraki networks are synchronized with Cisco Spaces.

Key details include:

- **Availability**: Once the Meraki integration is completed, the **Manage Networks** option becomes available on the Meraki integration details page.
- **Network Selection**: All networks are selected and synced by default. Users can now explicitly choose which Meraki networks should be synchronized with Cisco Spaces.
- **Selected Networks**: Networks chosen for synchronization are imported into the Cisco Spaces Dashboard and kept automatically in sync.
- **Ability to Deselect Networks**: Any network that is deselected is removed from the Locations Hierarchy, and further synchronization for that network is stopped. Existing data associated with the unselected network is also removed, unless there are active app-specific configurations or rules attached to that node.

  In such cases, you must remove those associations before the network can be completely deleted from Cisco Spaces.

Healthcare Styling for AI Maps

This enhancement brings healthcare-specific styling to the productized version of Digital Maps, which previously supported only Workspace (WEX) styles. The update aims to significantly improve user experience (UX) and navigation within healthcare environments by customizing map styles to address the unique needs of patients, visitors, and staff.

Key highlights:

- **Healthcare-Centric Map Styles**: Purpose-built themes designed to optimize navigation and wayfinding for hospitals and clinics, extending across all components, including kiosks.
- **Enhanced User Experience**: Customized map visuals and themes that simplify navigation and improve clarity for diverse healthcare personas—patients, visitors, and staff.
- **Standardization for Scalability**: Consolidated and standardized type codes to enable scalable healthcare solutions across multiple facilities.
- **Accelerated Adoption**: Streamlined SDK deployment to support rapid implementation for healthcare organizations.

Cisco Spaces: Space Utilization App

The Glossary enhancements in the Space Utilization app provide a consolidated and comprehensive set of definitions for the various metrics and charts available across all views within the Space Utilization application. These definitions enhance user understanding and provide clarity on how data is presented and calculated.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

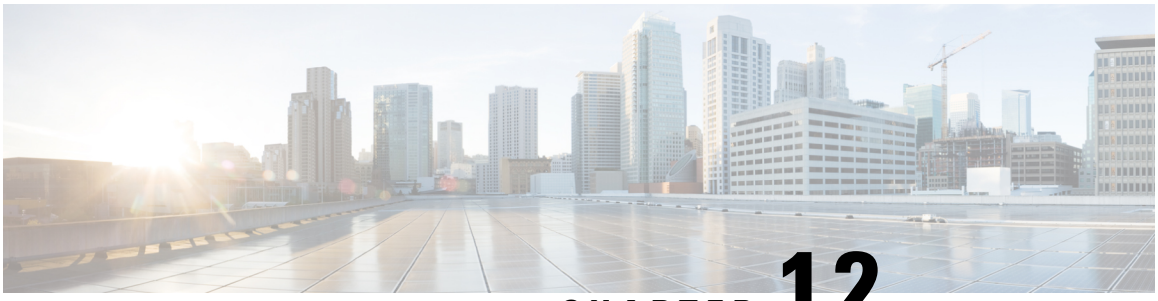
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 15: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwr59232	Customer activation engine was unable to retrieve the activation configuration from the Spaces cloud
CSCwr09383	Beta dashboard is missing 18 smartlinks in Density Rules
CSCwr69173	Meraki Map Source Missing from Detect and Locate
CSCwr44643	Discrepancy in "Last Heard" Timestamps Between IoT Explorer and D&L



CHAPTER 12

September 2025

- What's New in this Release, on page 49
- What's Changed in this Release, on page 49
- Issues, on page 50

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

This enhancement is made in the Cisco Spaces beta UI:

Dashboard

These changes are available in the new dashboard UI (React dashboard):

- The **SEE** and **ACT** licenses are renamed as **ESSENTIAL** and **ADVANTAGE**, respectively.
- The location-level license is now shown beside each location in the **Location Hierarchy** tree for Cisco Spaces accounts registered with smart licensing.

Partner Dashboard

A new enhancement is available in Partner Dashboard's **Trace Firehose**. You can now define a specific start time and duration (in minutes) for historical data downloads, limited to the preceding 24-hour period. This enhancement provides increased control and accuracy for data access.

Cisco Spaces Firehose API

This release streamlines and standardizes terminology by updating inferred location type values in Cisco Spaces events and APIs. Specifically, the **inferredLocationTypes** field in event payloads is updated as follows:

- **CMXZONE** and **MERAKIZONE** is consolidated as **ZONE**
- **ORG** (Meraki networks) is updated as **MERAKI**

If you use the **inferredLocationTypes** field in your integrations or data processing, update the logic to reflect the new values.

Note There are no additional changes to the event or API structure.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 16: Cisco Spaces Open Issues

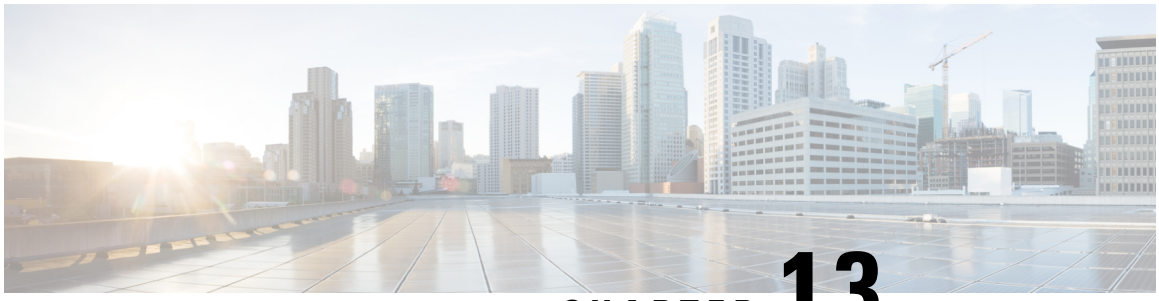
Issue Identifier	Issue Description
CSCwr09383	Beta dashboard is missing 18 smartlinks in Density Rules
CSCwr44643	Discrepancy in "Last Heard" Timestamps Between IoT Explorer and D&L
CSCwr32933	Space Manager Clear Workspace Button removes workspace from list of meeting rooms

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 17: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwr15584	Meraki Camera tripwire showed internal snapshots for all other serial numbers.
CSCwr24824	Open Roaming client data usage doesn't match data used for the SSID in WLC side.
CSCwr22261	Captive Portal - Not redirecting to specified landing page with Meraki Network
CSCwq31931	WLC not sending client info packets to Cisco Spaces due to which unable to see any active client on Cisco Spaces



CHAPTER 13

August 2025

- What's New in this Release, on page 51
- What's Changed in this Release, on page 52
- Issues, on page 52

What's New in this Release

These new features are introduced in Cisco Spaces beta UI for Cisco Spaces: Space Utilization App:

Heat Maps

The Space Utilization App now introduces **Heat Maps**, offering a new method to visualize historical occupancy trends and the utilization of physical spaces. The heatmap is displayed directly on top of the 3D Digital Map, allowing you to gain a spatial understanding of occupancy density and utilization patterns in an immersive manner.

Key Highlights

- **Heat Map Visualization**: A visual, color-coded representation of historical occupancy density at the floor level, displayed over the 3D Digital Map and helps to understand which areas of a floor have been most or least utilized over time.
- **Multi-Dimensional Analysis**: View heat maps for each day of the month, day of the week, or hour of the day to identify trends and analyze occupancy patterns and utilization trends across different time periods.

The benefits include:

- Identify historically underutilized and high-traffic zones.
- Make informed decisions about space reallocation or redesign.
- Complement traditional chart views with intuitive, map-based visualizations using the 3D Digital Map.
- Gain spatial insights to optimize workspace allocation and enhance the visitor experience.

Interactive Map

The Space Utilization App now features **Interactive Maps**, which provide fast and intuitive geographic visualization of locations such as campuses, buildings, and floors on a global map. This feature displays

occupancy and utilization metrics with dynamic markers and color-coded clusters. This enables you to gain quick insights at multiple levels.

Key Highlights

- Seamlessly switch between global, campus, building, and floor-level perspectives with dynamic clustering.
- Color-coded **Markers** representing key metrics such as people count, time spent, and percentage utilization.
- Smart Map Controls, zooming, and informative panels that facilitate rapid exploration of your spaces.

What's Changed in this Release

This enhancement is made in the Cisco Spaces beta UI:

Network Map Calibration

The **Network Map Calibration** tool enables precise alignment of 2D network map images with 3D **Digital Maps**. You can access the tool from the **Digital Map Editor**, allowing you to precisely place GPS markers ensuring client and access point positions are accurately represented.

The Network Map Calibration link is enabled in the user interface only for maps that have associated network maps.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 18: Cisco Spaces Open Issues

Issue Identifier	Issue Description
CSCwq31931	WLC not sending client info packets to Cisco Spaces due to which unable to see any active client on Cisco Spaces

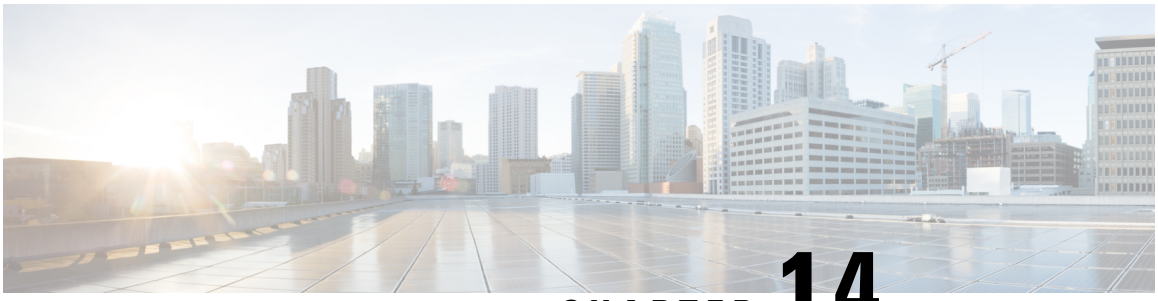
Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 19: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwq79186	Signage Client: Disabling the 'Where Am I' feature in the signage configuration still shows up in the 'Select a Floor' pop-up on the signage.

Issue Identifier	Issue Description
CSCwq12122	Spaces Manager occupancy report provides inaccurate output when there is no occupancy change.
CSCwq60867	Devices that are of Cisco manufacturer are getting discarded in the location data processing.



CHAPTER 14

July 2025

- What's New in this Release, on page 55
- What's Changed in this Release, on page 55
- Issues, on page 56

What's New in this Release

These new features are introduced in Cisco Spaces:

Captive Portals - Access Code Manager (ACM) Feature

The Cisco Spaces dashboard improves onboarding and management of trusted devices through the Access Code Manager feature. Administrators trust list devices directly from the dashboard, eliminating the need for manual controller configuration or logging into multiple systems. The dashboard supports devices that don't use captive portal browsers, enabling secure onboarding and allowing administrators to set session duration and bandwidth limits with configurable templates.

This release ensures that onboarding templates and authentication profiles created in the dashboard are automatically interpreted and enforced by the Cisco Spaces Radius engine, maintaining consistency across your environment. You can monitor device onboarding status and policy application in real-time, allowing quick validation and troubleshooting when needed

Template management becomes streamlined as administrators create, update, and retire reusable templates, assign them by location or SSID, and maintain device associations with built-in safeguards. You provision or revoke device access as needed, aligning with guest stays or operational policies. Enhanced MAC Address validation and centralized audit features strengthen network security.

These updates make device onboarding and management more efficient and secure, supporting operational needs at scale across your Cisco Spaces deployment.

Partner Dashboard - New Event

The Cisco Spaces - Partner Dashboard ecosystem now supports **Device Association** event type configuration. This event is triggered when a device successfully connects to an SSID (**ASSOCIATE**) or disconnects from an SSID (**DISASSOCIATE**).

What's Changed in this Release

These enhancements are made in the Cisco Spaces beta UI:

Activation Requests - Reminder Emails

The Cisco Spaces platform now automatically sends a sequence of reminder emails if you are newly invited and have not yet activated your account. If you do not activate your account with the initial invitation, you will receive additional reminders on day 2, day 4, and day 5, so you have more opportunities to complete activation before the link expires.

Additionally, you can now request a resend of your activation link directly through the Cisco Spaces platform. Your request immediately generates and delivers a new activation email, so you do not need support assistance or manual processing.

These improvements make onboarding easier for you, provide faster responses to activation requests, and reduce support delays. With this enhancement, you receive timely reminders and can easily obtain a new activation link whenever you need, making the activation process simple.

Partner Dashboard - Cisco Magnetic Design

Cisco Spaces - Partner Dashboard user experience is enhanced by adhering to the Cisco Magnetic Design guidelines for a consistent and intuitive graphical user interface (GUI) across the Cisco Spaces - Partner Dashboard ecosystem.

The enhancements include:

- Faster load times and smoother interactions
- Improved usability and accessibility

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

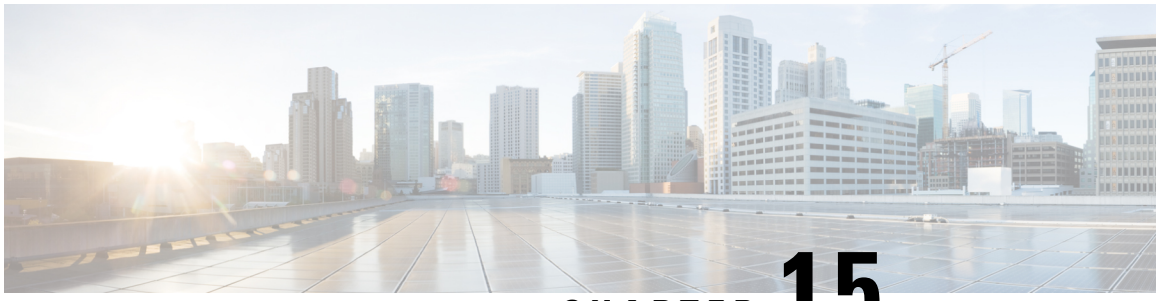
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 20: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwq20645	Subscriber reset API not working
CSCwq45099	Service Manager 3.2.3.8 update leads to dropped local firehose updates
CSCwq36587	IPv6 enabling on PRIMARY interface upgrading to Location 3.2.2.4



CHAPTER 15

June 2025

- What's New in this Release, on page 57
- What's Changed in this Release, on page 57
- Issues, on page 58

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

The following enhancements are made in the Cisco Spaces beta UI:

Cisco Spaces: Space Utilization App

Portal Beam and PIR Sensor support: The Space Utilization App now supports the reporting of occupancy data from various sources such as collaboration devices, portal beams and PIR sensors (such as Thingsee and Moko).

Space Utilization App UI updates: The Space Utilization App UI is enhanced to improve user navigation and provide a more intuitive interface.

- **Dynamic Page Title**: The page title and filters now update automatically based on your selected view. You can quickly identify the specific building or floor and see which filter is applied.
- **Location** drop-down: The **Location Selection** drop-down list is now strategically repositioned to the right-hand side of the window. This filter is now available in both building and floor views, enabling you to switch between locations more efficiently.

Locations & Maps: Catalyst Center Export Option

In **Locations & Maps**, the **Digital Maps** feature (**Setup** > **Locations & Maps** > **Digital Maps** now lets you export building maps (published version) to Catalyst Center.

The option to export is available only for buildings with a published map. Click the three dots next to a building and select **Export to Catalyst Center** to process the map. Click **Download** to save the processed digital map (in ZIP format) for the selected building. Follow the instructions in the pop-up window to import the map hierarchy into Catalyst Center.

Note The map export feature works only if the APs are placed under the **Setup** > **Device Placement** option.

Change Log Feature Enhancements

Use the **View Change Log** feature (**Home** > **Profile**) to track audit trail activities for **Location & Maps** and **Space Utilization App** in the Cisco Spaces new UI.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 21: Cisco Spaces Open Issues

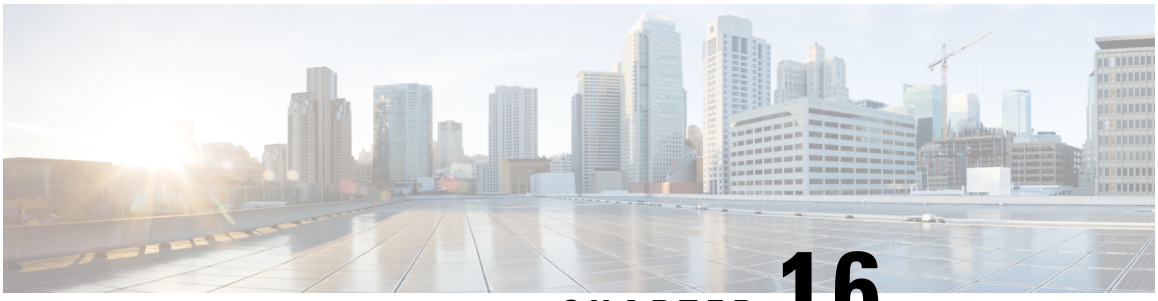
Issue Identifier	Issue Description
CSCwp80116	Space Manager: Auto mapped workspace not removed during manual mapping.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 22: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwp80174	Space Manager: Unable to map webex workspaces with meeting rooms when hot desk configured or hot desk supported is true.



CHAPTER 16

May 2025

- What's New in this Release, on page 59
- What's Changed in this Release, on page 60
- Issues, on page 60

What's New in this Release

The following new features are introduced in Cisco Spaces:

Cisco Spaces: Partner Firehose

Two new Partner Firehose events called **Space Occupancy** and **Space Occupancy Change** are introduced in Cisco Spaces.

- **Space Occupancy**: This event triggers at 15-minute intervals with occupancy information for a space, which can be a meeting room or a workstation; however, only meeting rooms are supported at this time. The event includes the presence of people, peak count of people (if the associated sensor supports people counting) observed in the space during the 15-minute interval, meeting room booking status, details about the space, along with metadata and hierarchy information.
- **Space Occupancy Change**: This event triggers whenever there is a change in the occupancy of a space, which can be a meeting room or a workstation; however, only meeting rooms are supported at this time. This includes changes in presence or the count of people (if the associated sensor supports people counting) detected in the space. Additionally, the event provides details about the space, meeting room booking status, along with metadata and hierarchy information.

To enable this feature in the backend, contact Cisco Spaces support team for assistance.

Subscriber Notification Alerts

Cisco Spaces now provides an email notification feature to keep you updated on critical incidents. This feature is available in the Cisco Spaces Beta GUI under **Configure** > **Notifications**.

These are the incident categories:

- Scheduled Maintenance Notifications
- Platform/Service Outage Alerts
- Network Connectivity Failure Notifications
- Incoming Data Alerts

- Onboarding Failure Notifications (Captive Portal/OpenRoaming/SDK)

What's Changed in this Release

The following enhancement is made in the Cisco Spaces beta UI:

In **Location Hierarchy**, you can now view the count of the Security Appliance devices.

Navigate to the **Network Devices** tab (**Network Devices** > **Security Appliances**) to view the detailed list of security appliance devices for the respective locations.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

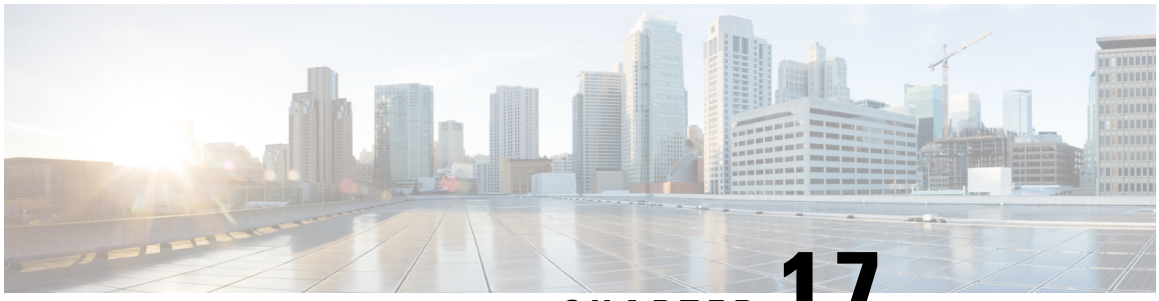
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 23: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwo98182	Cisco Spaces - "Right Now" App SSID Categorization issue



CHAPTER 17

April 2025

- What's New in this Release, on page 61
- What's Changed in this Release, on page 61
- Issues, on page 62

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

The following enhancements are made in the Cisco Spaces dashboard beta UI:

Cisco Spaces: Space Utilization App

- **Location-specific Role-Based Access Control (RBAC)**: Location-specific role-based access control is introduced for the Space Utilization App in the Cisco Spaces dashboard.

  By default, Cisco Spaces dashboard administrators have access to the app and can assign read-write or read-only access for specific locations. These permissions can be assigned for specific locations while inviting a user or can modify later using the **User Management** section.

- **Split License**: The Space Utilization App is enhanced to support Split Licensing. With this license change, you'll gain access to experience higher-tier license features in the Space Utilization App.

Note The Split License feature is available only for accounts registered with the Cisco Smart Software Manager (CSSM) system and integrated with Cisco Spaces account by registering the Smart Licensing token with the Cisco Spaces dashboard. If your account is not registered with CSSM, we recommend reaching out to your account administrator.

The following enhancement is made in the Cisco Spaces dashboard:

Cisco Spaces: Connector

With this release, the support to create a new Cisco Spaces connector using Connector 2.x version is deprecated.

The **Create Connector** pop up window no longer permits the selection of Connector 2.x, as the radio button option is disabled. You can now create connectors exclusively using the Connector 3.x options.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 24: Cisco Spaces Open Issues

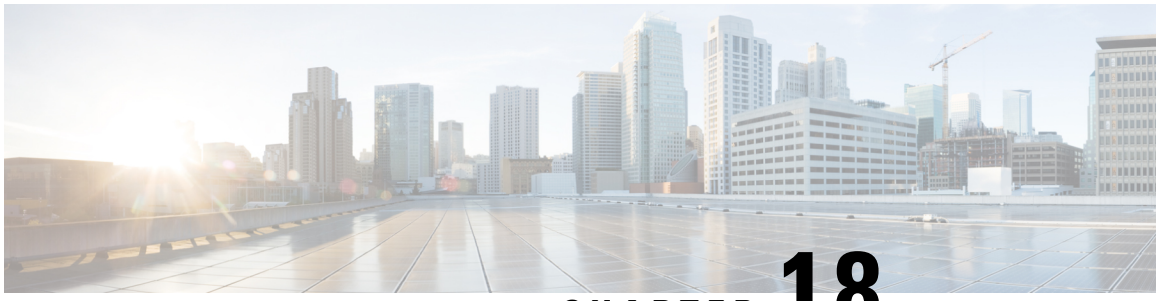
Issue Identifier	Issue Description
CSCwo98182	Cisco Spaces - "Right Now" App SSID Categorization issue.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 25: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwo47496	Location Hierarchy and Maps Not Visible in IoT Explorer for App Users.
CSCwo46286	IO Spaces dashboard displaying data for Space Utilization in Beta mode for Generic vertical tenant.



CHAPTER 18

March 2025

- What's New in this Release, on page 63
- What's Changed in this Release, on page 63
- Issues, on page 65

What's New in this Release

The following new feature is introduced in Cisco Spaces Beta UI:

Cisco Spaces: Space Utilization App Deployment Status View

The **Deployment Status** feature in the Cisco Spaces: Space Utilization App provides insights into the status of your deployment. Users often encounter gaps in key metrics within the app, which typically result from incomplete deployments. For instance, the Daily Utilization Chart requires both capacity (configuration) and occupancy data, while the Density Chart needs area specifications (configuration) in addition to occupancy data.

Similarly, to effectively track room utilization, digital maps must be available, and sensors need to be attached to the rooms defined in these maps. By visiting the Deployment Status section, you can pinpoint any missing elements and take the necessary actions to fill these gaps and to ensure that charts and reports are accurately generated as expected.

Note Users with **ACT** or **UNLIMITED** licenses can access this view.

The following backend change is introduced in Cisco Spaces Beta UI:

Partner Firehose: BLE RSSI Event Support for Meraki Networks

The Firehose BLE RSSI Update event is now available for Cisco Meraki networks using Cisco Spaces, similar to Catalyst. Customers and partners can enable and access BLE RSSI events through the Firehose API for their Cisco Meraki networks. Contact the Cisco Spaces support team for backend configuration assistance.

What's Changed in this Release

The following enhancements are made in the Cisco Spaces dashboard:

- **Cisco Meraki Direct RADSEC support**: Cisco Spaces now supports **Cisco Meraki Direct RADSEC**, and it is available for **Early Field Trials** in production environments. This feature is supported on Cisco Meraki AP firmware versions 31.1.6 and later.

  Previously, OpenRoaming integrations with Cisco Spaces routed RADSEC packets through the Cisco Meraki cloud proxy, which affected performance on earlier firmware versions. With the introduction of Direct RADSEC from Access Points these additional hops are eliminated, resulting in a more stable and reliable integration model.

  To enable this feature on your account, please contact the Cisco Spaces support team.

- **OpenRoaming Wireless Broadband Alliance (WBA) Root Certificate Authority (CA) support in Cisco IDP Server**: The Cisco Spaces cloud IDP server now supports the new root of trust from the WBA.

  As part of the OpenRoaming Federation update, the WBA transitions to issuing certificates under a new Root CA. To ensure seamless authentication and continued compatibility, the Cisco Spaces cloud IDP server now supports this new root CA, along with the existing chain of trust.

  This support now extends to OpenRoaming authentication via Cisco Meraki.

- **Captive portal updates**: Cisco Spaces: Captive Portal app is enhanced to include a field called **Page Title**.

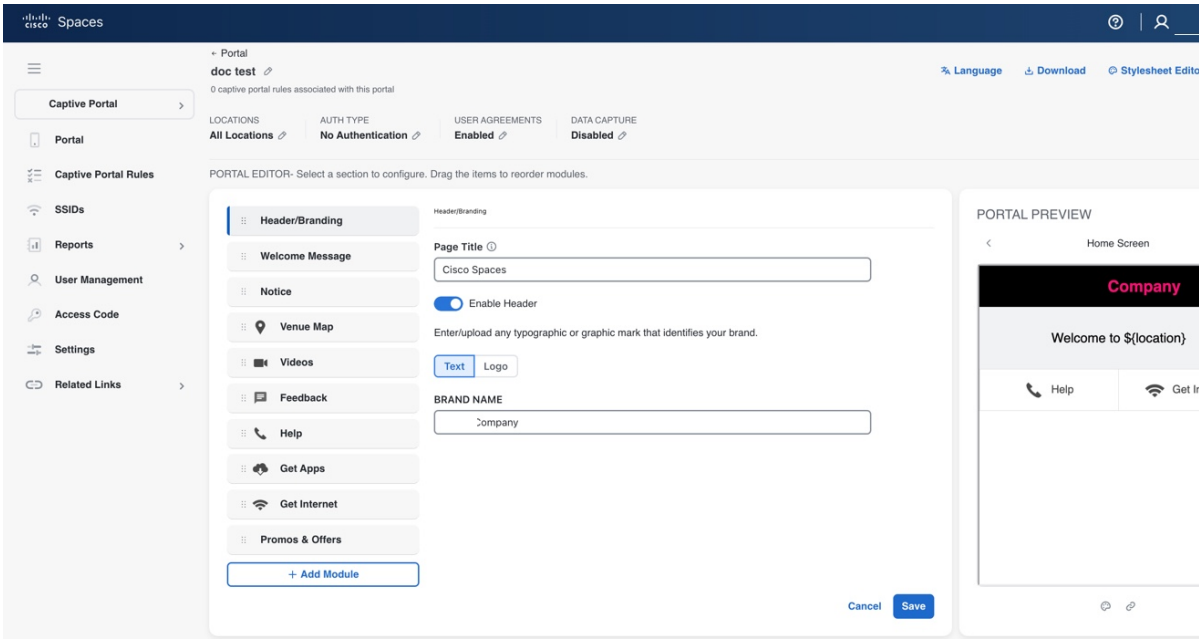
  You can now modify the captive portal page title directly from the Cisco Spaces dashboard by navigating to **Header/Branding** > **Page Title**. The updated **Page Title** is displayed in your Cisco Spaces: Captive Portal app.



Note

- The page title for existing portals defaults to **Cisco Spaces**. For all new portals created, the account name serves as the default page title. You can edit the page title.
- This feature is only available in the Cisco Spaces beta UI.

Figure 9: Cisco Spaces: Captive Portal



Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 26: Cisco Spaces Open Issues

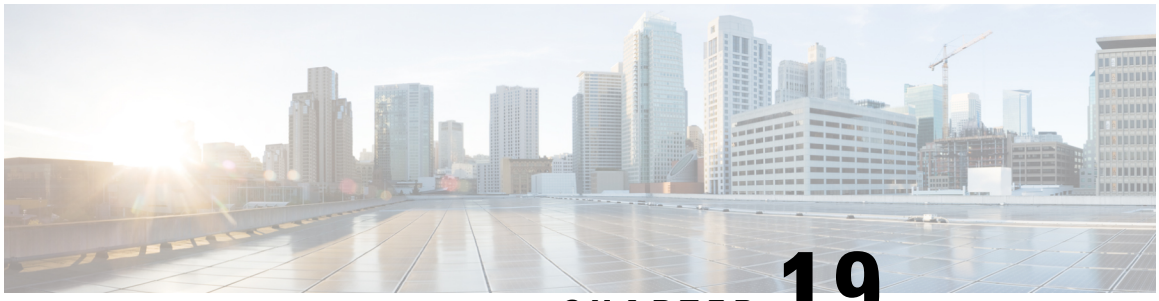
Issue Identifier	Issue Description
CSCwo46286	IO Spaces dashboard displaying data for Space Utilization in Beta mode for Generic vertical tenant.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 27: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwo27622	Roles - Mapservice app is not listed during create/edit role.



CHAPTER 19

February 2025

- What's New in this Release, on page 67
- What's Changed in this Release, on page 67
- Issues, on page 68

What's New in this Release

OpenRoaming Hotspot Client

The Cisco Spaces Connector **Hotspot** service is updated to support the new root of trust from the Wireless Broadband Alliance (WBA).

As part of the OpenRoaming Federation update, the WBA is transitioned to issuing certificates under a new root CA. To ensure seamless authentication and continued compatibility, the **Hotspot** service on the Cisco Spaces Connector was updated to support this new root CA along with the current chain of trust.

To maintain uninterrupted service for carrier offload and third party IDPs , upgrade the Cisco Spaces Connector **Hotspot** service to the latest version.

What's Changed in this Release

The following enhancements are made in the Cisco Spaces dashboard:

Cisco Spaces Dashboard Beta UI

Cisco Spaces has introduced a new Beta version of the existing dashboard. The new beta dashboard exclusively offers all new features and enhancements, retaining the functionalities of the current one while providing an improved experience. We encourage you to try the beta version for an enhanced experience and better performance.

To highlight few updates in the new beta version:

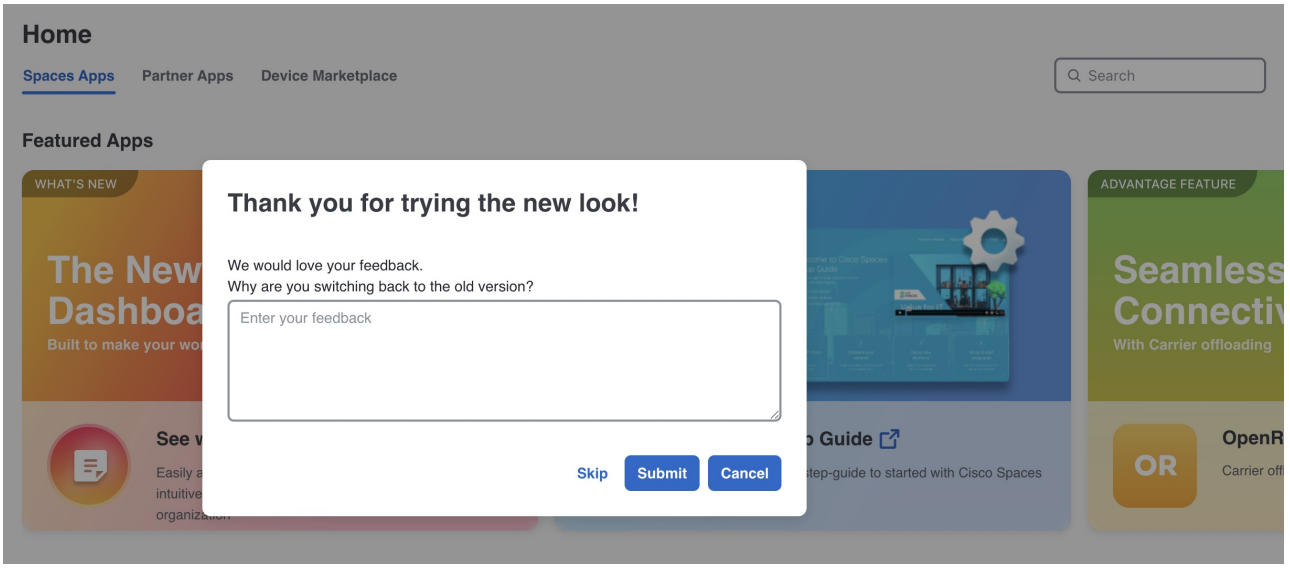
- The **Location Hierarchy** feature is available in the previous version of the Cisco Spaces dashboard. In the beta UI, experience the features of **Location Hierarchy 2.0** that includes features to import the locations in the same structure in which you have defined in your wireless network such as Cisco AireOS Wireless Controller, Cisco Catalyst 9800 Series Wireless Controller, or Cisco Meraki.
- Instead of the **Map Service** (**Set Up** > **Map Service**) feature available in the previous version, use the **Locations and Maps** (**Setup** > **Locations and Maps**) feature to import, normalize and unify network

hierarchies from various sources such as Cisco Meraki, Catalyst Center, and Cisco Prime Infrastructure into a single business oriented hierarchy.

- The **Room Occupancy Reports** feature is available under the Cisco Spaces: Space Utilization App application.

To access the new beta Cisco Spaces dashboard, click the **Try new version (Beta)** (Try new version Beta) toggle option that is available on the top-right corner of the Cisco Spaces dashboard window.

To go back to the old version, click **Switch to old version** (Switch to old version). Use the **Feedback** pop-up window to share your feedback and valuable suggestions to improve the user experience.



Support for Partner Application Activation

To enable AT&T carrier offloading, you must activate the AT&T Partner app, as mandated by AT&T. The **OpenRoaming** > **Setup** section is enhanced to simplify the AT&T Partner app activation process, ensuring a seamless experience when you enable AT&T carrier offload.

Note Currently, this feature is supported only in the Cisco Spaces dashboard beta UI.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 28: Cisco Spaces Open Issues

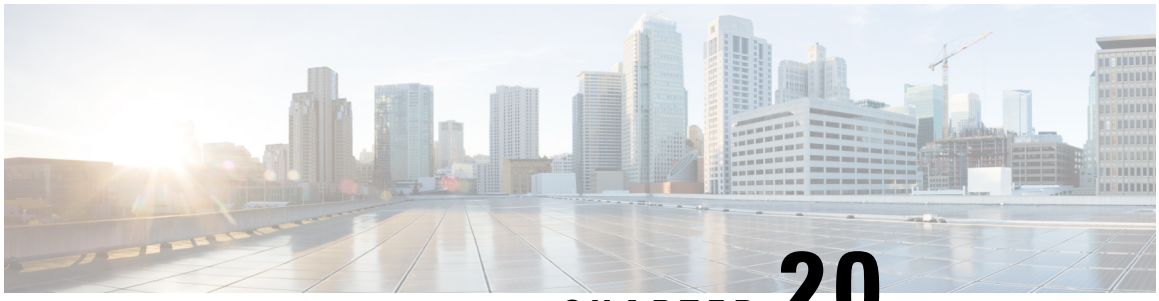
Issue Identifier	Issue Description
CSCwo47496	Unable to see LH or Maps in IoT explorer for the users invited as Read only access.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 29: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwo13295	Meraki Integration - Valid Access Token and Refresh token got overridden with old values.
CSCwn92373	Location Analytics dropdown disabled for all locations, if account has integrated with the meraki integration and its license type “Extend_Meraki”.



CHAPTER 20

January 2025

- What's New in this Release, on page 71
- What's Changed in this Release, on page 71
- Issues, on page 71

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

Partner Firehose API Enhancements

The Firehose API is updated to optimize the app activation workflow by sending only the delta changes in the LOCATION_CHANGE event.

The updates include:

- **ChangeType: REMOVE**: Sent to all previously activated locations that are no longer part of the current activation.
- **ChangeType: ADD**: Sent to all newly activated locations that were not part of the previous activation.

Additionally, both the **App Activation** event and the **Health API** are enhanced to include the following new parameters:

- **appId**: The identifier for the app.
- **region**: The region associated with the app.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 30: Cisco Spaces Resolved Issues

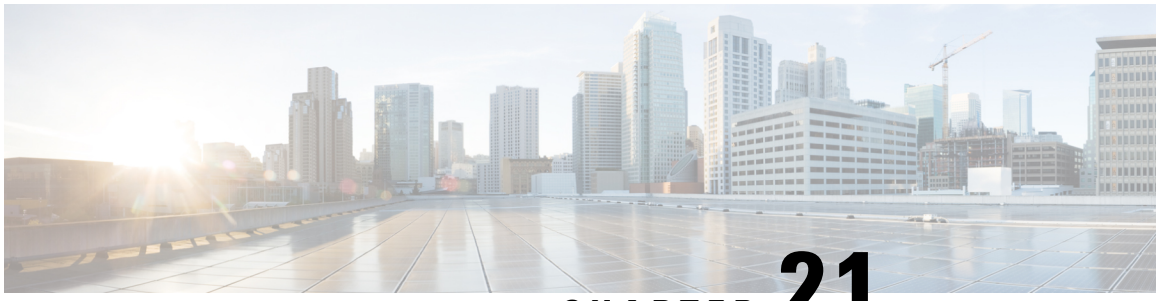
Issue Identifier	Issue Description
CSCwn94369	Noticed 431 status code for all /api/v1 calls when returned from detect & locate to home page.
CSCwn92373	Location Analytics dropdown disabled for all locations, if an account license type is “EXTEND_MERAKI.”



PART III

2024

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CHAPTER 21

December 2024

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- What's Changed in this Release, on page 76
- Issues, on page 77

What's New in this Release

Cisco Spaces Dashboard

The following new feature is introduced in the Cisco Spaces dashboard:

Cisco Spaces now introduces **Split License** support for the Engagements, Location Personas, Space Manager, and Space Experience applications. With this license change, you'll gain access to experience higher-tier license features in these apps.

Note The Split License feature is available only for accounts registered with the Cisco Smart Software Manager (CSSM) system and integrated with Cisco Spaces account by registering the Smart Licensing token with the Cisco Spaces dashboard. If your account is not registered with CSSM, we recommend reaching out to your account administrator.

Cisco Smart Workspaces App: Signage Release 1.2

The following new features are introduced in the **Cisco Smart Workspaces** app:

- **Select all Space Types/Point of Interests (POIs)**: Tap on any room to display the room name and recenter it on the map.
- **Search for all Spaces** (without Collaboration devices): Search and locate rooms and other POIs effortlessly.
- **Edit Space Names**: Modify space names in the Digital Maps editor (**Setup** > **Locations & Maps** > **Digital Maps editor**) for better search results. For example, to differentiate between various POI types such as cafeteria, restrooms, stairs, and so on.

Feature Flag for Wayfinding Locations (Early Feature Testing/Limited Availability)

- **Select all Space Types/POIs**: Navigate or get directions by selecting any space type or POIs on the map.

- **Pathfinding to all Space Types/POIs**: Draw a path from the **Where Am I?** orientation to a space on the same floor, and now even to rooms without collaboration devices.
- **Wayfinding to all Space Types/POIs**: Paired with pathfinding, scan QR codes on all spaces on all floors to get multi-floor turn-by-turn directions and blue-dot wayfinding.
- **Where Am I?** Orientation updates: Includes optimal path angles and zoom option to improve orientation and visibility.

For Smart Rooms (Early Feature Testing)

Use the **Smart Room Marker and Label** feature to effortlessly discover, select, and navigate to a smart room using the Smart Room Marker available on the map for the Kiosk or Signage version 1.2.

What's Changed in this Release

Digital Maps: User Experience Enhancements

The following enhancements are made in the Cisco Spaces dashboard:

- **Map Processing Status Reporting with Estimated Time and Email Notifications**: Map Processing feature is enhanced to address the issues reported with time-intensive map generation. With this enhancement, after you successfully submit the map, the window is displayed with an estimated processing time. You can also view the processing status, including a tentative ETA or error details, by hovering over the status message for each building in the Digital Maps list view. Additionally, the submitter receives email notifications regarding any changes in the map status.
- **Re-Processing Maps/Re-submission of CAD Files**: The map re-processing experience is enhanced to include a feature that allows you to specify the exact changes needed. This helps to reduce the turnaround time. You can select from a list of common reasons and provide additional comments, along with any supporting documents or images as evidence for the re-processing request.

  STANDARD Maps (BETA): The beta version of STANDARD Digital Maps (with a beta watermark) has been introduced in Cisco Spaces. The STANDARD maps gets generated more quickly compared to the PRO version but with fewer features, thus supporting a limited range of use cases.

  You might notice that the orientation and positioning of STANDARD maps may not always align perfectly with the actual building position on the earth map. We recommend that you adjust the position and orientation of STANDARD maps using the tools available in the **Standard Map** preview.



Note

- The PRO maps are exclusively available to locations with ACT or UNLIMITED licenses, while STANDARD maps are accessible for locations with SEE or Extend licenses.
- You can use the STANDARD version of the map for device placement. For locations with ACT or UNLIMITED licenses, use the STANDARD map until the PRO version is fully generated.

Cisco Smart Workspaces App: Signage Release 1.2

The following enhancements are made in the **Cisco Smart Workspaces** app:

- **Idle Timeout Behavior**: The map re-centers automatically after four minutes of inactivity, improving the user experience for the next user
- **New Room Markers**: Enhances the room discoverability and legibility.
- **Where Am I?** Orientation updates: Enhanced feature to navigate to the Kiosk location on the map from any floor.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

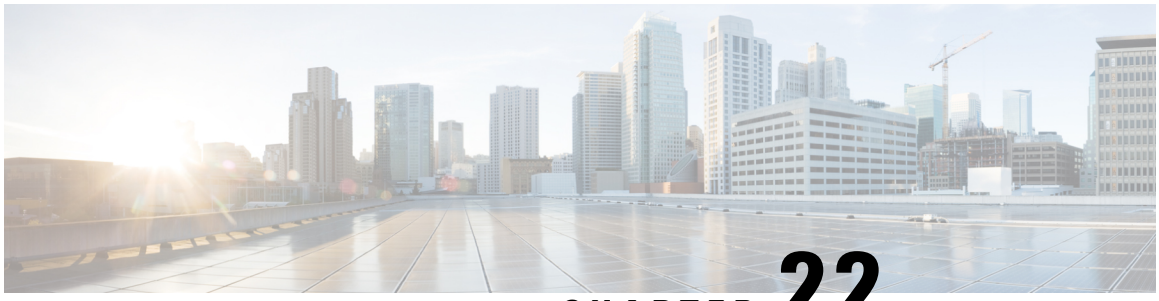
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 31: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwn19510	Locations are not listed for review in Locations & Maps section when Webex token is reconnected.
CSCwn42673	IoT Explorer: Unable to save accurate data for Temperature Rise



CHAPTER 22

November 2024

- What's New in this Release, on page 79
- What's Changed in this Release, on page 79
- Issues, on page 79

What's New in this Release

The following new feature is introduced in the Cisco Spaces dashboard:

A new app called **Space Utilization** is now introduced in Cisco Spaces.

The **Space Utilization** app offers historical insights into the usage of your physical spaces, helping in their effective optimization. The app allows you to view occupancy and utilization metrics for spaces such as floors and rooms within a campus or building, using various charts. This information includes data on people count, floor utilization (ratio of people present to actual capacity), density, time spent by people, and room utilization, analyzed across different dimensions. These insights are derived from data collected through sensors integrated into your network and Wi-Fi infrastructure.

For Cisco Spaces accounts in the Workspace and Education verticals, both Floor Occupancy and Room Occupancy metrics are available. By default, accounts in all other verticals show only Room Occupancy metrics.

For more information, see Cisco Spaces: Space Utilization App Guide.

Note The **Space Utilization** app is available to users with **Cisco Spaces ACT** and **Cisco Spaces Unlimited** licenses.

What's Changed in this Release

There are no enhancements in this release of Cisco Spaces.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 32: Cisco Spaces Open Issues

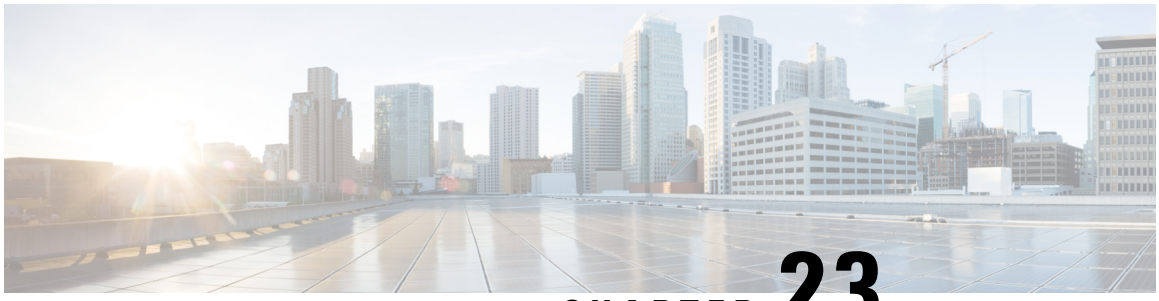
Issue Identifier	Issue Description
CSCwn19510	Locations are not listed for review in Locations & Maps section when webex token is reconnected

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 33: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwm88230	When connectors are in HA VIP pairing, post systemupgrade, the High Availability state becomes "STOP"
CSCwn27737	Environmental Analytics data was not loading for the ACT customer with a split license enabled.



CHAPTER 23

October 2024

- What's New in this Release, on page 81
- What's Changed in this Release, on page 81
- Issues, on page 82

What's New in this Release

The following new feature is introduced in the Cisco Spaces dashboard:

Cisco Spaces now introduces **Split License** support for the Captive Portal, IoT Explorer, and Environmental Analytics applications. With this license change, you'll gain access to experience higher-tier license features in these apps.

Note The Split License feature is only available for accounts registered with the Cisco Smart Software Manager (CSSM) system and integrated with Cisco Spaces account by registering the Smart Licensing token with the Cisco Spaces dashboard. If your account is not registered with CSSM, we recommend reaching out to your account administrator.

What's Changed in this Release

The following enhancements are made in Cisco Spaces:

Cisco Spaces Support Process

The process for requesting support for Cisco Spaces is enhanced. To contact Cisco Spaces support, you now need to raise a case using the Support Case Manager (SCM).

Follow these steps to raise a support case.

1. Log in to Cisco Spaces.
2. In the Cisco Spaces Dashboard, click the (**Support**) icon displayed at the top-right.
3. Click **Support**. The **Support** slide-in pane displays.
4. Click **Open a Case** to raise a case using SCM.

There are two different SCM links for **Paid** accounts.

- General Support: Use this link to report break-fix issues.
- Configuration & Deployment Support: Use this link to request Cisco Spaces onboarding or use case deployment assistance.

For **Non-Paid** accounts, use the General Support link to raise both general support and onboarding/use case deployment assistance cases.



Note All the support contact email addresses are decommissioned.

Cisco Spaces Software Development Kit

Following Google's deprecation of API key-based functionality, a new method using Firebase JSON through Google Cloud Messaging (GCM) is introduced in the Cisco Spaces Software Development Kit (SDK) (**Cisco Spaces Dashboard** > **Configure** > **Cisco Spaces SDK**).

Before this release, in Cisco Spaces Dashboard, you had to configure the API Key, but now it has changed to Firebase JSON.

Cisco Spaces utilizes this to trigger push notifications on Android devices using the SDK.

Locations & Maps: Digital Map Workflow Enhancements

The following enhancements are available in **Locations & Maps**:

Select Floor Window

The floor selection window is redesigned to minimize user effort. The new design reduces the number of entries required from users, enabling a quicker and more efficient process by automatically generating the floor level number and short name for each floor.

File Upload Window

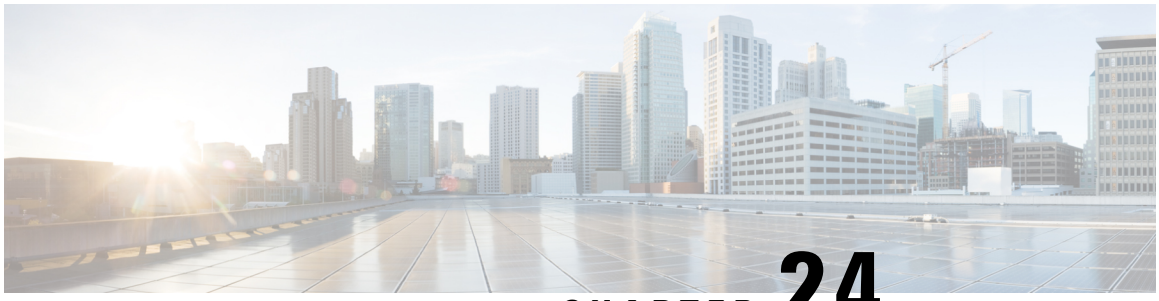
The upload process is enhanced to improve efficiency. You can now upload files for multiple floors simultaneously, with each being processed in parallel. The full-page loader that previously displayed during single floor uploads is replaced by individual loader indicators for each floor, allowing clear visibility into the status of each upload.

If any floor file requires additional time, you have the option to cancel that specific upload without affecting the progress of others. This enables better management of successful uploads and more effective time allocation.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

There are no open or resolved issues in this release of Cisco Spaces.



CHAPTER 24

September 2024

- What's New in this Release, on page 83
- What's Changed in this Release, on page 84
- Issues, on page 84

What's New in this Release

The following new features are introduced in Cisco Spaces:

Cisco Spaces License Package Update

The Cisco Spaces License package is enhanced to support the new license: **SMART_OPERATIONS_BASE**, along with the existing licenses **SEE**, **ACT**, **EXTEND**, **SMART_OPERATIONS**, **SMART VENUES** and **UNLIMITED**.

The **SMART_OPERATIONS_BASE** license functions in a similar manner to the current **SMART_OPERATIONS** license, excluding some entitlements and the following apps:

- IoT Explorer,
- Asset Locator, and
- IoT Services.

Cisco Meraki Integration Workflow

The feature enables you to onboard Cisco Spaces through the Cisco Meraki Dashboard. The new seamless integration flow eliminates the need for multiple manual steps in establishing a mapping between the Cisco Meraki Dashboard and Cisco Spaces. This eliminates the need to manually copy and paste the API key and post URLs from one platform to the other. With the new integration, you can easily initiate the integration from the Meraki dashboard with just a few clicks.

For more information, see Seamless Meraki Integration with Cisco Spaces.

For setup instructions, see Cisco Meraki Integration with Cisco Spaces.

Cisco Spaces: Connector 3 Service Manager Release 3.1.4.11

The following new release is introduced in Cisco Spaces:

- Added a new common CLI to manage SSHD service algorithms
- Addressed the Service download latency issue

What's Changed in this Release

The following enhancement is made in the Cisco Spaces dashboard:

As part of the enhancement to Mapservice, you can now import or synchronize multiple campuses with the same name under different sites into Cisco Spaces Location Hierarchy from Cisco Catalyst Center. This enhancement also supports the ability to move campuses between sites within Cisco Catalyst Center and allows to seamlessly import and synchronize these changes into the Cisco Spaces Location Hierarchy.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

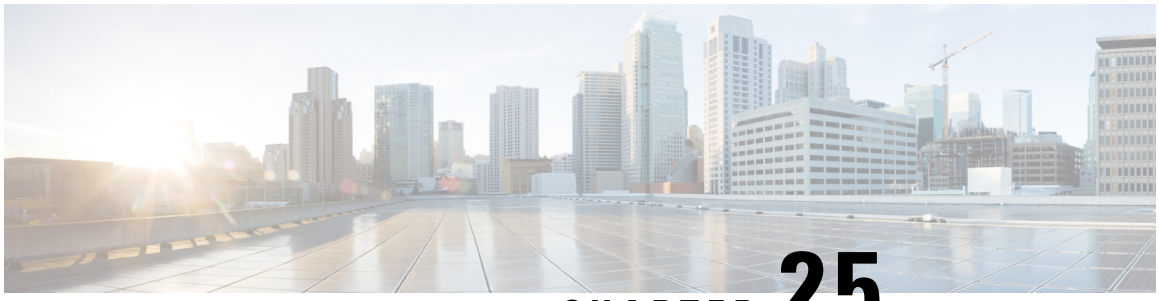
Table 34: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwk97830	Hotspot 3.1 - The DNS configuration for Hotspot 3.1 is being removed when updating the OpenRoaming profile

This section lists the issues that have been resolved in the new release of Cisco Spaces: Connector 3 Service Manager Release 3.1.4.11.

Table 35: Cisco Spaces: Connector 3 Service Manager Release 3.1.4.11 Resolved Issues

Issue Identifier	Issue Description
CSCwk38085	Download of image fails when inline upgrade is triggered from Cisco Spaces dashboard UI or CLI
CSCwk53840	Changing docker Service network on connector CLI does not reflect the change on the Cisco Spaces: Connector UI
CSCwm13219	**`Connectorctl show cert`** command doesn't display the created or imported certificates



CHAPTER 25

August 2024

- What's New in this Release, on page 85
- What's Changed in this Release, on page 85
- Issues, on page 86

What's New in this Release

The following new release is introduced in Cisco Spaces:

Location Service Release 3.1.0.156

The new features introduced are:

- Support for UWB AP to AP ranging for Cisco Catalyst 9800 Series Wireless Controller, Cisco IOS XE 17.15.1
- Enhancements to the Cisco Spaces: Connector connectivity test to include Netconf connection
- Addressed the following issues:
  - Data drop issue caused by duplicate connection and a corner case when there is large volumes of traffic
  - Local Firehose data drop issue caused by the publisher
  - Security issue where Cisco Catalyst 9800 Series Wireless Controller credentials are printed in the Cisco Spaces: Connector logs
  - Air pressure data collection issue for AP AnyLocate feature

What's Changed in this Release

The following enhancements are made in the Cisco Spaces dashboard:

This release enhances the performance of Cisco Spaces by optimising backend operations, thereby improving reliability and efficiency. It also includes upgrades to platform libraries to address issue fixes.

The performance enhancements include optimization of:

- Mapservice Integration APIs

- Map import process
- Digitization Stats

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 36: Cisco Spaces Open Issues

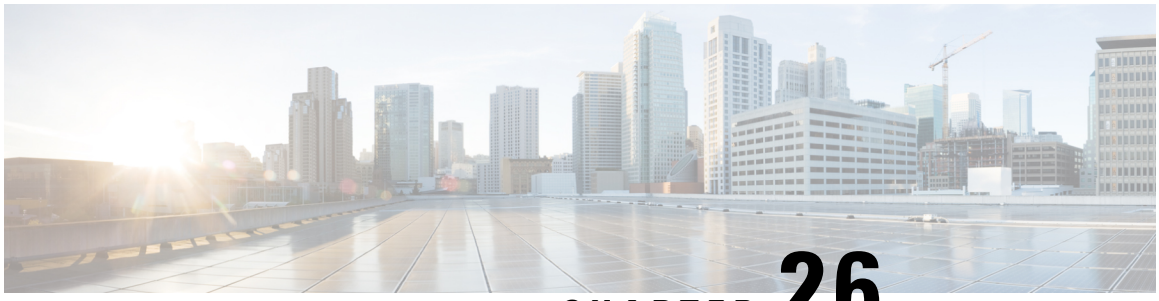
Issue Identifier	Issue Description
CSCwk97830	Hotspot 3.1 - The DNS configuration for Hotspot 3.1 is being removed when updating the OpenRoaming profile.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 37: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwj71573	Controller status shows as "Degraded" under Connector, but "Active" under Controller



CHAPTER 26

July 2024

- What's New in this Release, on page 87
- What's Changed in this Release, on page 87
- Issues, on page 88

What's New in this Release

The following new release is introduced in Cisco Spaces:

Cisco Spaces: Connector 3 Service Manager Release 3.1.3.45

- Added Docker subnet mask validation for Service Network configuration
- Added retry attempts for Services download
- Enhanced the CLI output of **Userauth password** command

For more information, see Release Notes for Cisco Spaces: Connector.

What's Changed in this Release

Support for Bluetooth Low Energy (BLE) devices are now available on the Cisco Meraki network, in addition to the existing support on the Cisco Catalyst Wireless network.

This enhancement allows the Cisco Spaces platform to seamlessly integrate with BLE devices using Cisco Meraki. With this enhancement, Cisco Meraki BLE devices can now be accessed in various Cisco Spaces applications, including Firehose IoT Telemetry events, IoT Explorer, Signage, and RightNow.

Note For this feature to work, you must perform specific configurations on the Cisco Meraki network to enable the data transmission to Cisco Spaces. We recommend that you contact Cisco Spaces support team for further assistance.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 38: Cisco Spaces Open Issues

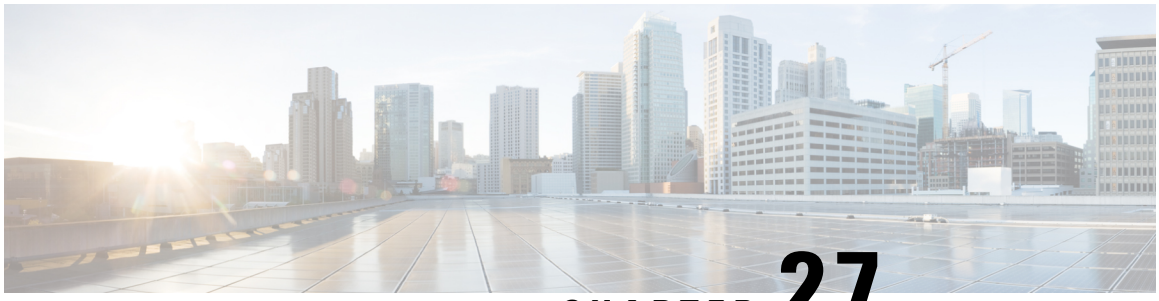
Issue Identifier	Issue Description
CSCwj71573	Controller status shows as "Degraded" under Connector, but "Active" under Controller

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 39: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwk30773	Newly created Location Analytics reports are not appearing on list page until the page is refreshed
CSCwk12061	Captive Portal Runtime - Loading wrong default country on DC page



CHAPTER 27

June 2024

- What's New in this Release, on page 89
- What's Changed in this Release, on page 89
- Issues, on page 90

What's New in this Release

The following feature is introduced in Cisco Spaces:

Cisco Spaces Dashboard

In Cisco Spaces, **Split License** feature allows you to upgrade licenses at the location level.

You can upgrade location-level license to higher tiers (ACT or Unlimited), regardless of the account-level license being at a lower tier, for example: SEE, EXTEND, SMART OPS, and SMART VENUES. This flexibility extends to the floor level within the **Location Hierarchy**. Use the **License Level Change** option available in the **Location Hierarchy** (Beta UI) to upgrade the license type.

Cisco Spaces now introduces split license support for the **Location Analytics** and the **RightNow** application.

This upgrade allows you to experience higher-tier license features in **Location Analytics** app and also in the Density Rule feature in **RighNow** application.

Note The **Split License** feature is supported only if the account is registered with the **Cisco Smart Software Manager** (CSSM) system. We recommend that you contact the account administrator if your account is not registered with CSSM.

What's Changed in this Release

The following enhancements are made in the Cisco Spaces dashboard:

Improved OTP Generation for Mobile Number-Based Authentication

In Cisco Spaces: Captive Portal, the One Time Passcode (OTP) generation for mobile number-based authentication is updated to accommodate lengths ranging from four to nine digits, replacing the previous fixed 4-digit length.

We recommend that you contact the Cisco Spaces support team to configure the preferred OTP length.

Room Occupancy Reports

Cisco Spaces: Space Manager is enhanced to include sensor types such as Passive Infra-Red (PIR) sensors (wired or wireless) and Portal Beam sensors, in addition to the existing Webex sensor type.

If you want to include PIR or Portal Beam sensors details in the occupancy reports, you must associate the respective sensor as the default sensor device.

Note In the Cisco Spaces: Space Manager app, under **Space Management** > **Occupancy** area, from the **Select Sensor** drop-down list, choose the PIR or Portal Beam sensors to set the default sensor device.



OpenRoaming Hotspot Client Enhancement

The Network Configuration Protocol (NETCONF) support is available from Hotspot client version v2.2.95. However, the Cisco Catalyst 9800 Series Wireless Controllers require a minimum version of 17.12 to utilize NETCONF. We recommend that you upgrade to Cisco Catalyst 9800 Series Wireless Controllers version 17.12 to take advantage of NETCONF features.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 40: Cisco Spaces Open Issues

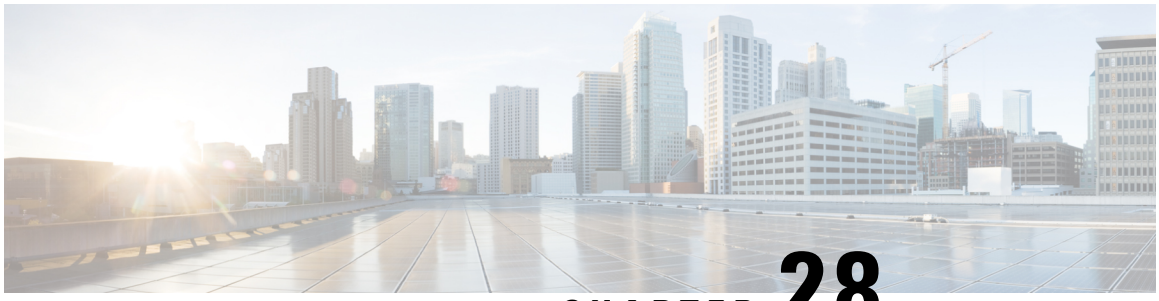
Issue Identifier	Issue Description
CSCwk30773	Newly created Location Analytics reports are not appearing on list page until the page is refreshed

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 41: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwk21570	Clients not passing traffic if a rate limiting AVP is missing for FlexConnect clients on 9800
CSCwk35878	Creating Asset tracking use case returns internal server error
CSCwk12061	Captive Portal Runtime - Loading wrong default country on DC page



CHAPTER 28

May 2024

- What's New in this Release, on page 93
- What's Changed in this Release, on page 93
- Issues, on page 93

What's New in this Release

There are no new features in this release of Cisco Spaces.

What's Changed in this Release

This release enhances the performance of Cisco Spaces by optimising backend operations, thereby improving reliability and efficiency. It also includes upgrades to platform libraries to address vulnerabilities and ensure security.

The performance enhancements include:

- Cisco Webex devices synchronization operation
- Cisco Spaces Partner App activation
- Cisco Catalyst Center floor map updates

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 42: Cisco Spaces Open Issues

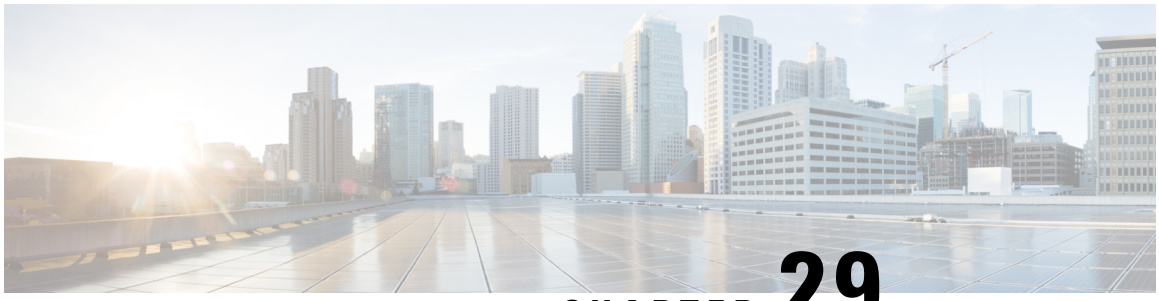
Issue Identifier	Issue Description
CSCwk12061	Captive Portal Runtime - Loading wrong default country on DC page

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 43: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwk12081	Open Roaming Stats - Not showing 'Data Consumed per user' chart for same date
CSCwj07789	IoT Explorer - View/Edit option leads to create duplicate Assets



CHAPTER 29

April 2024

- What's New in this Release, on page 95
- What's Changed in this Release, on page 95
- Issues, on page 95

What's New in this Release

The following feature is introduced in Cisco Spaces:

Digital Maps

Cisco Spaces introduces **Digital Maps**, an upgraded version of Rich Maps. Two variations of Digital Maps available are:

- **STANDARD** Maps: Shows 2D flat maps without support for meeting rooms or integration with **Cisco Smart Workspaces**.
- **PRO** Maps: Shows 3D visualizations and include all the available features of **Cisco Smart Workspaces**, similar to Rich Maps.

Note Locations with ACT/UNLIMITED licenses have exclusive access to the PRO variant, while the STANDARD variant remains accessible to other license types, including SEE, EXTEND, and SMART_OPERATIONS.

What's Changed in this Release

There are no enhancements in this release of Cisco Spaces.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

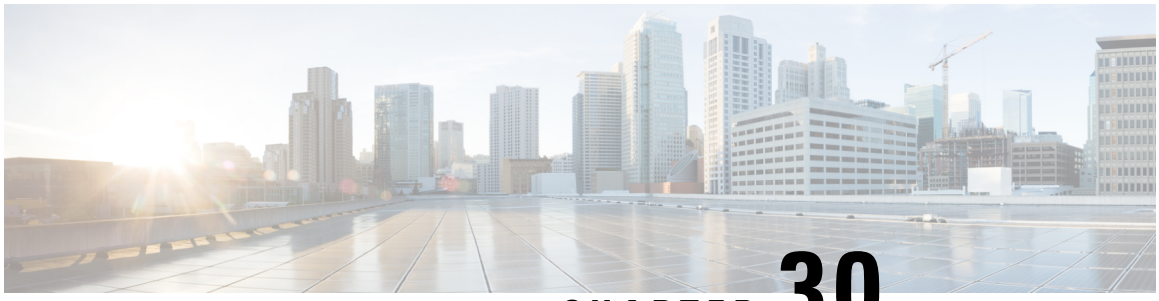
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 44: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwj66876	App Activation - We see that the app activation calls are being duplicated for each activation event



CHAPTER 30

March 2024

- What's New in this Release, on page 97
- What's Changed in this Release, on page 97
- Issues, on page 98

What's New in this Release

The following features are introduced in Cisco Spaces:

Cisco Spaces Dashboard

Calendar GUI Integrations: The Microsoft 365 calendar integration feature is introduced in Cisco Spaces. Use this feature to connect your Microsoft 365 calendar account with the Cisco Spaces application and view the integrated calendar details in the Cisco Spaces dashboard **Menu** > **Integrations**.

The imported calendars are displayed in the Cisco Spaces: Space Manager application.

Connector2 Docker Version 2.0.670

- Cisco Spaces: Connector intermittent data drop issue is fixed. When there is a high volume of traffic entering the system and the Connector must expand its data channels, intermittent data losses are noticed at the Connector.
- The device (for example Wireless Controller) credentials are printed as part of the failure process when you add a device. This issue is fixed and the device details are not displayed in failure conditions.
- Access Point count synchronization to cloud issue is fixed. This is a unique scenario in which the Netconf response from the wireless controller contains special characters.

What's Changed in this Release

The following enhancements are made in Cisco Spaces:

Cisco Spaces Dashboard

Locations & Maps Support: The **Locations & Maps** feature is enhanced to allow you to merge the locations from Cisco Prime Infrastructure with Cisco Catalyst Center locations and vice versa under a single business hierarchy.

Before this enhancement, the merging of locations from Cisco Prime Infrastructure to Catalyst Center locations and vice versa was not supported.

Cisco Spaces: Space Manager: Room Occupancy Reports

In Cisco Spaces: Space Manager app, the Occupancy Reports section is enhanced with the following features:

- In the **Report Parameter** window, the **Rooms** report level option is enabled to select the rooms directly while creating or editing reports.
- You can download the Occupancy Reports in XLSX format instead of CSV.
- You can now delete the reports. Click the ellipsis icon (...) and click **Delete** to remove the Occupancy Report.

Cisco Spaces: IoT Explorer: Smart Variable

In the Cisco Spaces: IoT Explorer app, the **Rules** section is enhanced to include a new smart variable: **DeviceName**. Use this smart variable to include the device name along with other variables such as **Location Name**, **MAC Address** and **URL** in the message when triggering email, text message (SMS) and Cisco Webex notifications.

Cisco Spaces: Captive Portal: Access Code Manager

In Cisco Spaces: Captive Portal app, the **Settings** > **Access Code Templates** tab is enhanced to include the **Enable Access Code Template** check box.

Check the **Enable Access Code Template** check box and click **Create Template** to create predefined templates for selected locations. When this option is enabled, first select the template (available for the location) and then create single use access codes in the Cisco Spaces: Captive Portal app **Access Code** section.



Note There's no change in the current access code creation process if the **Enable Access Code Template** check box is disabled in Cisco Spaces: Captive Portal app **Settings** > **Access Code Templates** tab.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

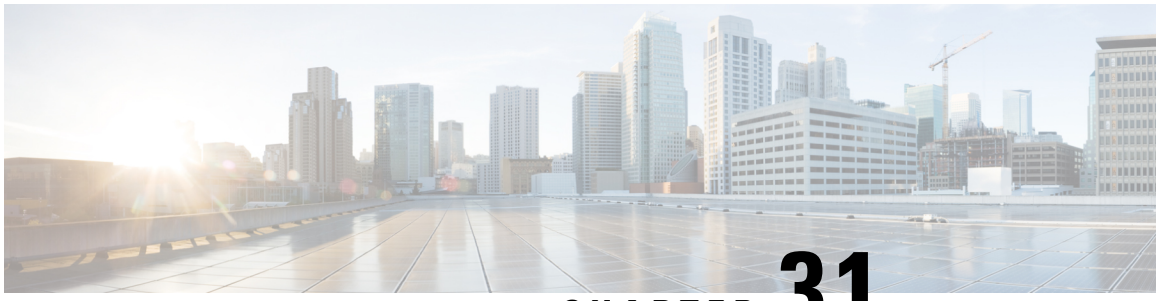
There are no open issues in this release of Cisco Spaces.

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 45: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwi76073	Unable to delete the location even after removing its associated signages.
CSCwi11258	Failed to delete Building from Map Services



CHAPTER 31

February 2024

- What's New in this Release, on page 101
- What's Changed in this Release, on page 101
- Issues, on page 102

What's New in this Release

The following new release is introduced in Cisco Spaces:

Local Firehose Service Release 3.1.0.65

The new features introduced are:

- Local Firehose Service opens up local firehose channel (gRPC) in Cisco Spaces: Connector 3 and sends out location updates for Aeroscout Location/BLE tags.
- Use the Cisco Spaces Partner app to consume location Received Signal Strength Indicator (RSSI) and Internet of Things (IoT) Bluetooth Low Energy (BLE) RSSI measurements over gRPC (Remote Procedure Call) channel.
- The Stanley Aeroscout Location Engine is succesfully integrated with Cisco Spaces: Connector 3.x. Refer to the *Securitas Document KB1100* article for more information.

Note For more information, see Cisco Spaces: Connector 3 Configuration Guide.

What's Changed in this Release

The following enhancements are made in Cisco Spaces:

Right Now App

The wired visitor count in the **Right Now** app is enhanced to automatically reset the visitor count to zero daily at 3 a.m., ensuring synchronization with the Location Hierarchy timezone settings.

Cisco Spaces: Location Services Release 3.1.0.127

The docker release focuses on the **AP AnyLocate** feature enhancements:

- The AP air pressure data issue in the Cisco Catalyst 9800 Series Wireless Controllers Cisco IOS XE 17.13.1 release is resolved. This enhancement improves the autoclustering of APs when placing them using the **AP AnyLocate** feature.
- Currently, the issue is addressed in Cisco IOS XE 17.12.3 release.
- Addressed the issue regarding unreliable AP FTM ranging measurement for 6-GHz radio with **AFC Standard Power mode** configuration enabled in the following Catalyst 9800 controller releases:
  - Cisco IOS XE Dublin 17.12.1
  - Cisco IOS XE Dublin 17.12.2
  - Cisco IOS XE 17.13.1

Note

- CSCwh98522 tracks the Catalyst 9800 controller issue.
- This issue does not impact upgrade from Catalyst 9800 controller Cisco IOS XE Dublin 17.12.1 or 17.12.2 to Cisco IOS XE Dublin 17.12.3.

Cisco Spaces: Connector 3 Service Manager Release 3.1.2.45

The following enhancements are made in **Service Manager**:

- New **connectorctl dockersubnet** command to support docker network change. For more information, see Cisco Spaces: Connector3 Command Reference Guide.
- Added NTP service monitoring and auto recovery services to check if the service is down.
- Enhanced keepalive event notifications and handlers for High Availability
- Enhanced privacy settings to exclude blank values for **MAC Username Salt**
- Addressed the Audit log permission issue during password reset.
- Enhancement is made in the AMI connector instance for Amazon Web Service (AWS) to share public IP address along with services.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 46: Cisco Spaces Open Issues

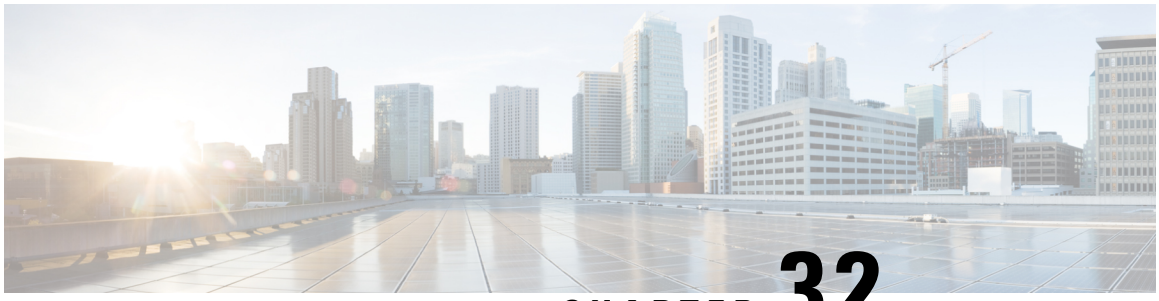
Issue Identifier	Issue Description
CSCwi11258	Failed to delete Building from Map Services

Resolved Issues

This section lists the issues that have been resolved in this release of Cisco Spaces.

Table 47: Cisco Spaces Resolved Issues

Issue Identifier	Issue Description
CSCwj13626	Occupancy Report - In some case list page is not loading when user edits the locations in the report
CSCwj13870	User getting 'Invalid OTP' error when entering correct OTP
CSCwi92266	No response from RADIUS server. AAA timeout is being received at controller end



CHAPTER 32

January 2024

- What's New in this Release, on page 105
- What's Changed in this Release, on page 106
- Issues, on page 107

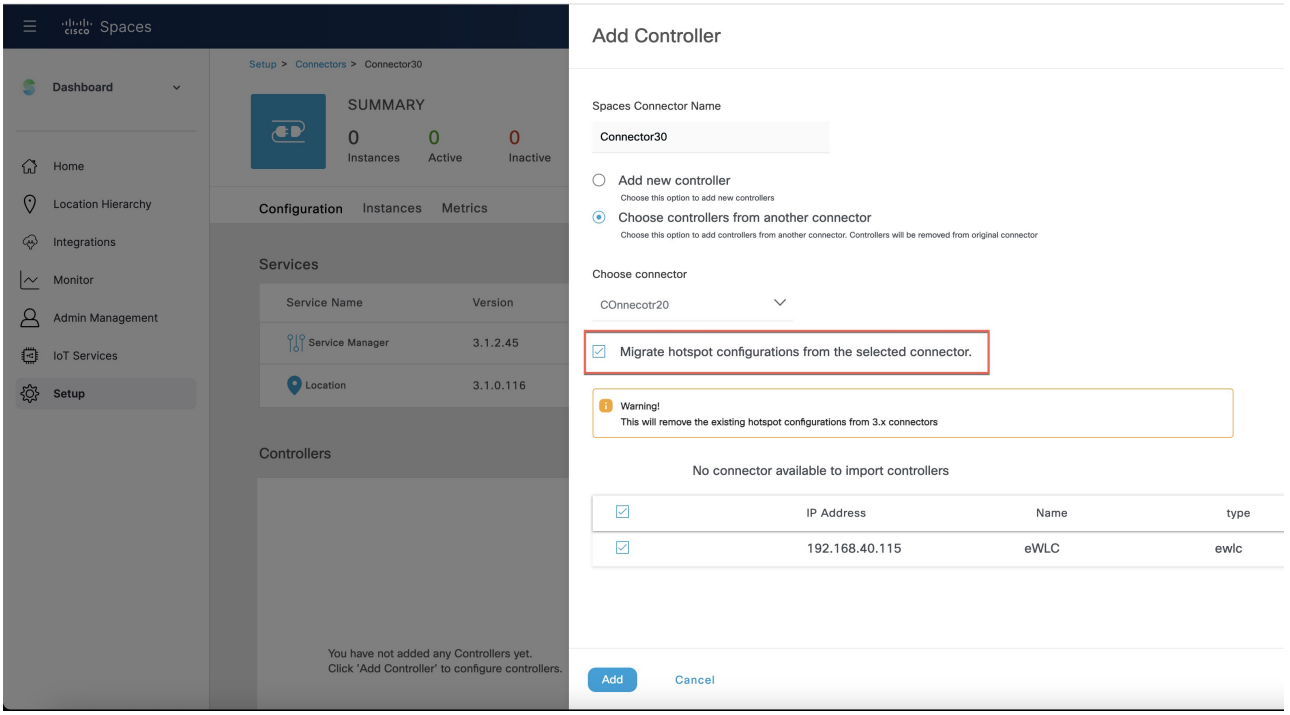
What's New in this Release

The following feature is introduced in Cisco Spaces:

Cisco Spaces: Connector Release 3 Update

Cisco Spaces now offers the capability to migrate Hotspot service configurations. When you migrate, Hotspot is enabled as a service in Cisco Spaces: Connector 3.x if not enabled explicitly.

In the **Add Controller** window, check the **Migrate hotspot configurations from the selected connector** check box to migrate all the required configuration from 2.x to 3.x connectors.



For more information, see Migrate from Connector 2.x to Connector 3.

Note

- The **Migrate hotspot configurations from the selected connector** check box is displayed only if you:
  - Choose the **Choose controllers from another connector** option to add a controller with connector configurations
  - Select a connector with hotspot configurations enabled from the **Choose Connector** drop-down list
- When migrating from Cisco Spaces: Connector 2.x to Cisco Spaces: Connector 3.x:
  - Migrate the controller configurations to point to the new Cisco Spaces: Connector 3.x instance instead of the previous Cisco Spaces: Connector 2.x instance.
  - Cisco Spaces automatically enables and configures the same working connector 2.x hotspot configurations to the new 3.x connector.
  - Cisco Spaces won't automatically disable the hotspot/openroaming configuration on the current working 2.x connector.

What's Changed in this Release

There are no enhancements in this release of Cisco Spaces.

Issues

Issues describe unexpected behavior in the Cisco Spaces application.

Open Issues

This section lists the open issues in this release of Cisco Spaces.

Table 48: Cisco Spaces Open Issues

Issue Identifier	Issue Description
CSCwi11258	Failed to delete Building from Map Services

Resolved Issues

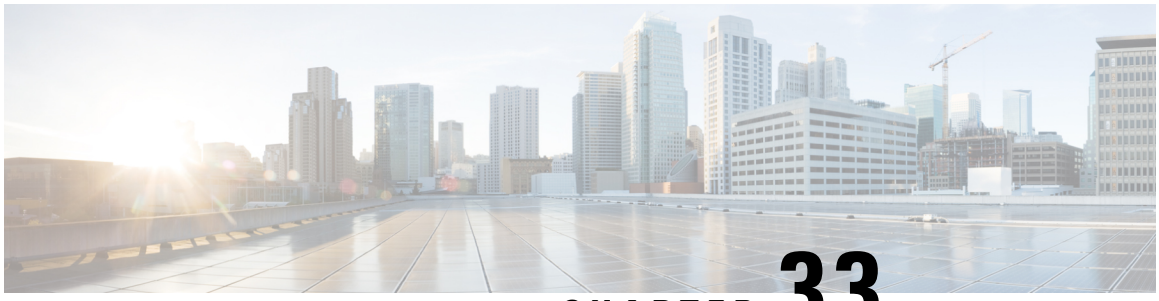
There are no resolved issues in this release of Cisco Spaces.



PART IV

2023 and Earlier Releases

- 2023 and Earlier Releases, on page 111



CHAPTER 33

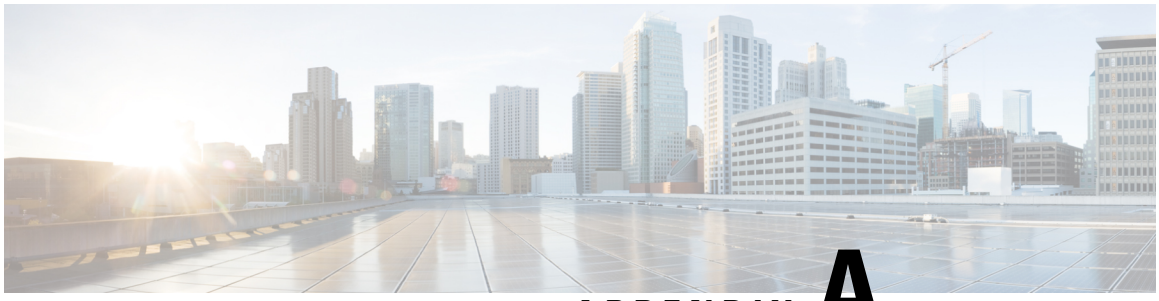
2023 and Earlier Releases

• 2023 and Earlier Releases, on page 111

2023 and Earlier Releases

For Cisco Spaces Release Notes from 2023 and earlier, see Release Notes Archive for Cisco Spaces.

2023 and Earlier Releases



APPENDIX A

Support Information

- Related Documentation, on page 113
- Communications, services, and additional information, on page 114

Related Documentation

- All user documentation for Cisco Spaces is available at https://www.cisco.com/c/en/us/support/wireless/dna-spaces/series.html.
  - Cisco Spaces Data Sheet
  - Cisco Spaces Configuration Guide
  - Cisco Spaces Federal Support Configuration Guide
  - Release Notes for Cisco Spaces: Connector
  - Guide to Migrating Location Services to Cisco Spaces
  - Cisco Spaces compatibility with other Cisco products
  - Cisco Wireless Solutions Software Compatibility Matrix
- For information on Cisco Spaces feature compatibility depending on type of connection, refer to *Table 3 Feature compatibility depending on type of connection* in the Cisco Spaces Data Sheet.
- For information on migrating Location Services to Cisco Spaces, refer to https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/dna-spaces/guide-c07-744932.html.
- For information on the integration of Cisco Spaces with Catalyst Center, refer to the Chapter "Cisco Catalyst Center Integration" in the *Cisco Spaces Configuration Guide* at:

  https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/DNA-Spaces/cisco-dna-spaces-config/dnaspaces-configuration-guide/m_dnac.html
- For more information on Cisco Prime Infrastructure to Catalyst Center data migration, refer to Cisco Digital Network Architecture Center Data Migration Guide or Migrate Data from Cisco Prime Infrastructure to Catalyst Center.
- All user documentation for Cisco Prime Infrastructure is available at:

  https://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/series.html

- All user documentation for Catalyst Center is available at:

  https://www.cisco.com/c/en/us/support/cloud-systems-management/dna-center/series.html
- For Cisco Spaces support information, refer to Support or contact Cisco Spaces support team.

Communications, services, and additional information

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.
- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.
- To submit a service request, visit Cisco Support.
- To discover and browse secure, validated enterprise-class apps, products, solutions, and services, visit Cisco DevNet.
- To obtain general networking, training, and certification titles, visit Cisco Press.
- 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.

Documentation feedback

To provide feedback about Cisco technical documentation, use the feedback form available in the right pane of every online document.