

March 2020

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Introduction to Cisco Spaces

Cisco Spaces is a location platform that leverages existing Wi-Fi infrastructure to give you actionable insights and drive business outcomes. It is a multichannel engagement platform that enables you to connect and engage with visitors at your physical business locations. It covers various verticals of business such as retail, manufacturing, hospitality, healthcare, education, financial services, and so on. Cisco Spaces also provides solutions for monitoring and managing assets in your premises. Cisco Spaces offers a variety of toolkits, apps, and APIs to turn these insights into action. In addition, Cisco Spaces through its partner program, offers different apps for different verticals.

The following are the major features of this release:

- Multiple Prefix support for adding APs to network for Cisco Wireless Controller.
- Moved the **Location Info** in the **Location Hierarchy**, and added new **Zip/postal code** field.
- Support to select multiple locations in location selection options.
- In the **Engagement** rules, removed support for notification through Apps and BLE.
- In **Engagement** and **Location Personas** rules, replaced **Exiting Location** with **Away from the Location** option that has provision to filter visits that are away for a particular duration.
- Updated the **Square Foot** value in **Digitization Stats** to represent the total area configured for network locations.
- Single Sign-On support for the **Cisco Spaces Partner** dashboard.
- In the **Cisco Spaces Partner** dashboard, for Cloud Apps, support to configure customer-defined OAuth URLs.

New Features - March 2020

Cisco Spaces Dashboard

The following new features are added to the Cisco Spaces dashboard:

Location Info

In the **Location Hierarchy**, the **Location Info** option is now moved from the **More Actions** menu. A new tab, **Location Info**, is now available to add or view the location information, in the window that appears when you click a location. Also, a new field, **Zip/Postal Code**, is now available in the **Location Information** window to specify the zip/postal code of the location. If location info fields are inherited from the parent location, then fields are shown in orange color.

Multiple Prefix Support for Cisco Wireless Controller

For Cisco Wireless Controller, Cisco Spaces now enables you to group access points with different prefixes under a single network. After importing the networks to the location hierarchy, click the network to add the APs of multiple prefixes. In the location hierarchy, when you click a network location, a new **Access Points Prefix Used** option will now be available in the **Location Info** tab to add APs of multiple prefixes to that network. After adding the prefix, the APs under the **unconfigured** network with the specified prefix will be moved under this network. The **Access Points Prefix Used** option will be available only for network locations. However, the **Access Points Prefix Used** option will not be available for the **Unconfigured** network.

Multiple Location Selection

Cisco Spaces now enables you to select multiple locations for activities such as Creating Portals, Creating Rules, Importing Network for Cisco Meraki Camera, and so on. When you select a location, the check box corresponding to its parent locations get highlighted in blue and the selected location is expanded to display its child locations. You can then select multiple child locations. Previously, if you have selected a location, you had to unselect it for selecting its child location. This enhancement is applicable to the location selection option in the following features:

Table 1: Multiple Location Selection Enabled Options

Feature	Windows /Fields Affected
Captive Portals App > Portal	• Portal Creation • Import Portal • Edit Locations
Captive Portals App > User Management	Invite User
Rule (Captive Portal, Engagement, Location Personas)	• Add Locations
Setup > Camera	Import Network

Feature	Windows /Fields Affected
Partner App	• App Settings • App Activation

Removed Support for Notification through Apps and BLE

In the **Engagement Rule**, the provision to send notifications through Apps and BLE are removed. In the **Create Engagement Rule** window, in the **Actions** area, the following options that were available for **Consumer** have been removed:

- **Via Push**
- **Via BLE**

Away from the Location Feature

The **Engagements** and **Location Personas** rules are now enhanced to filter the visits that are away for a particular duration. For example, you can define a rule to filter the visits that are away for 10 minutes. In the **Create New Rule** window, the **Exiting Location** option that was available for **When a user is on WiFi and** is now replaced with the **Away from the Location** option. When you select the **Away from the Location** option, a **For** drop-down list will appear to specify the time the visitor needs to be away to get filtered for the rule. The time will be specified in minutes.

Even if a visitor is physically present in the location, but gets disconnected from the Wi-Fi for the minutes specified in the **For** drop-down list, the visitor will be considered for the rule.

If you are editing an existing **Engagements** or **Location Personas** rules with **Exiting Location** configured, the **Choose User Activity** drop-down list will appear without any selection. You must choose the required option from the **Choose User Activity** drop-down list to save the rule successfully.

Digitization Stats

In the **Cisco Spaces** dashboard, in **Digitization Stats**, the **Square Foot** value now represents the Total Area configured for network locations in the **Location Info** option in the **Location Hierarchy**. Previously, the **Square Foot** value was calculated based on number of APs configured for locations. However, if total area is not configured for network locations in the **Location Hierarchy**, then the **Square Foot** value will be displayed based on APs as earlier.

Partner Dashboard- SSO Support

Cisco Spaces Partner dashboard now supports Single Sign-On (SSO). If you want to enable SSO for your Partner dashboard account, contact the Cisco Spaces support team .

To support SSO login for Cisco Spaces, the login screen for Cisco Spaces Partner dashboard is renovated. When you click the **Login** button, only the **Email** field will appear in the **Login** window along with a **Continue** button. If the user is having a Partner account and is already logged into the SSO-enabled domain, then the user will be directly taken to the the **Select Partner** window after clicking the **Continue** button. If the user has not logged into the domain, then the user will be redirected to the IDP page for login authentication, and user can login by specifying the SSO credentials.

Partner Dashboard- OAuth

For **Cloud Apps**, the Cisco Spaces dashboard is now enhanced to make the **OAuth** configuration more generic, and now supports to specify OAuth URLs defined by customers. In the **App Title** window, the **OAuth Base URL** field is now replaced with three new OAuth URL fields to specify the login, access token, and partner app info URLs separately. Previously, the login, access token, and partner app info URLs were generated internally based on this base URL. For existing apps, the three URL fields will be filled automatically based on the base OAuth URL.

If the **OAuth** check box is selected, the three OAuth URL fields are mandatory.

Issues

Issues describe unexpected behavior in the Cisco Spaces application. The Resolved Issues and Open Issues sections list the issues in this release.

The following information is provided for each issue:

- Identifier: Each issue is assigned a unique identifier (ID) with a pattern of CSC*xxNNNNN*, where *x* is any letter (a-z) and *N* is any number (0-9). These IDs are frequently referenced in Cisco documentation, such as Security Advisories, Field Notices, and other Cisco support documents. Cisco Technical Assistance Center (TAC) engineers or other Cisco staff can also provide you with the ID for a specific issue.
- Description: A description of what is observed when the issue occurs.

This section contains the following topics:

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.

Open Issues

Table 2: Open Issues

Issue Identifier	Issue Description
CSCvq83680	RBAC - Admin users who have access only to specific locations are not able to login to dashboard.
CSCvp57525	Location Analytics- Dwell time range % is overlapping in Dwell time break down chart when dwell time values are lesser.
CSCvs79627	Meraki camera - User is able to import non camera devices as well.
CSCvs97445	Users count is showing wrong in location hierarchy page.
CSCvt29202	By default Visitor and Visits count are displayed for newly created account in Digitization Stats.

Issue Identifier	Issue Description
CSCvt62394	User should not be able to save total area value without selecting total area unit value.
CSCvt65983	Away rule time selection should be limited as per the vertical visit end time for each account.

Resolved Issues

Table 3: Resolved Issues

Issue Identifier	Issue Description
CSCvs67712	By default first SMS gateway is displayed in all rules eventhough different gateway is configured.
CSCvs76739	Camera - No option provided to enter meraki credential in meraki camera page.
CSCvs37999	Import from maps - Not able to view all the floors due to scroll issue in mozilla browser.
CSCvs67256	While adding CMX Token ,'Add API' call is getting cancelled and page is not loading.
CSCvs90108	User not able to login to partner dashboard while using an email id of a SSO enabled domain.