Trusted Devices

Trusted devices

Trusted devices is a feature that

- enables administrators to trust list and onboard devices directly through the dashboard,
- automates enforcement of onboarding templates and authentication profiles via the Cisco Spaces Radius engine, and
- streamlines device access provisioning, monitoring, and management at scale.

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 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

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.

Summary section

The **Trusted Devices** window displays the summary of the devices such as number of devices added, active, and expired.

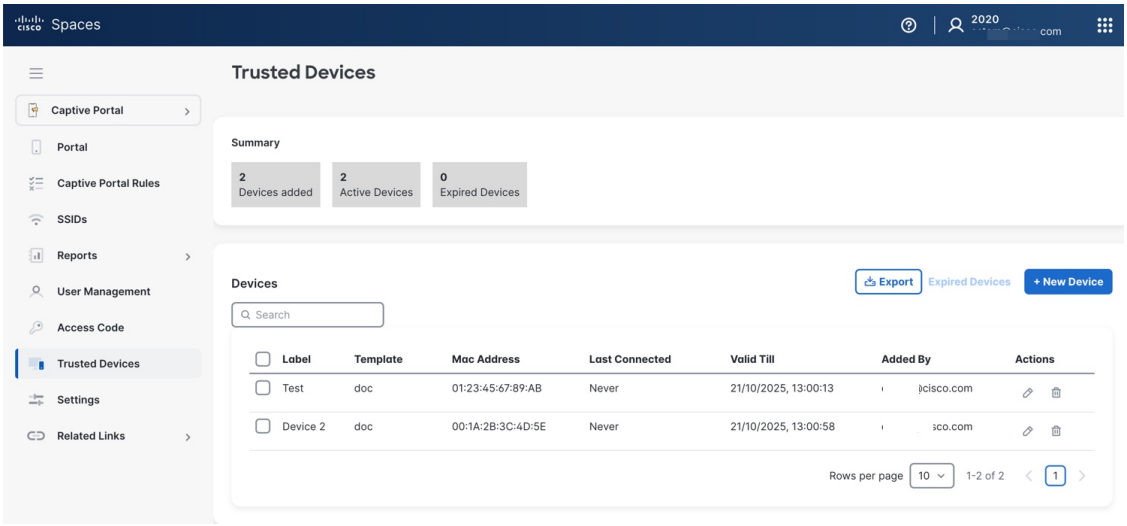
Devices section

Templates are required to add devices as trusted. If there are no templates created, navigate to **Settings** > **Trusted Devices Templates** and proceed to create a new template.

If templates are already available, click **+New Devices** to add new devices as trusted devices.

The **Devices** section includes two options: **Expired Devices** and **Active Devices**. If all devices are in expired status, the **Active Devices** option is toggled as **+New Devices**. Use the **Search** field to search for device details.

Figure 1: Trusted Devices



Click **Expired Devices** to view the **Expired Devices** section and the details of the expired devices. You can view:

- Label
- Template
- MAC Address
- Valid Till
- Added By
- Actions

Click **Export** to export the device details in CSV format.

Note To use this feature, configure a Layer 2 captive portal and integrate RADIUS with the controller.

Create a template

Enable devices to bypass the Captive Portal workflow, useful for devices not supporting captive portals.

Create a trusted device template to define which devices are exempt from captive portal restrictions.

Procedure

Step 1 In Cisco Spaces dashboard, click the **Menu** icon and choose **Home** > **SMART VENUES** > **Captive Portals** app tile.

Optionally, from the **Dashboard** drop-down list (left navigation pane of the Cisco Spaces **Home** window), select **Captive Portals**.

The **Portal** window is displayed. In the left navigation pane, you can view the available tabs for **Captive Portals** app.

Step 2 In the left navigation pane, click **Settings**.

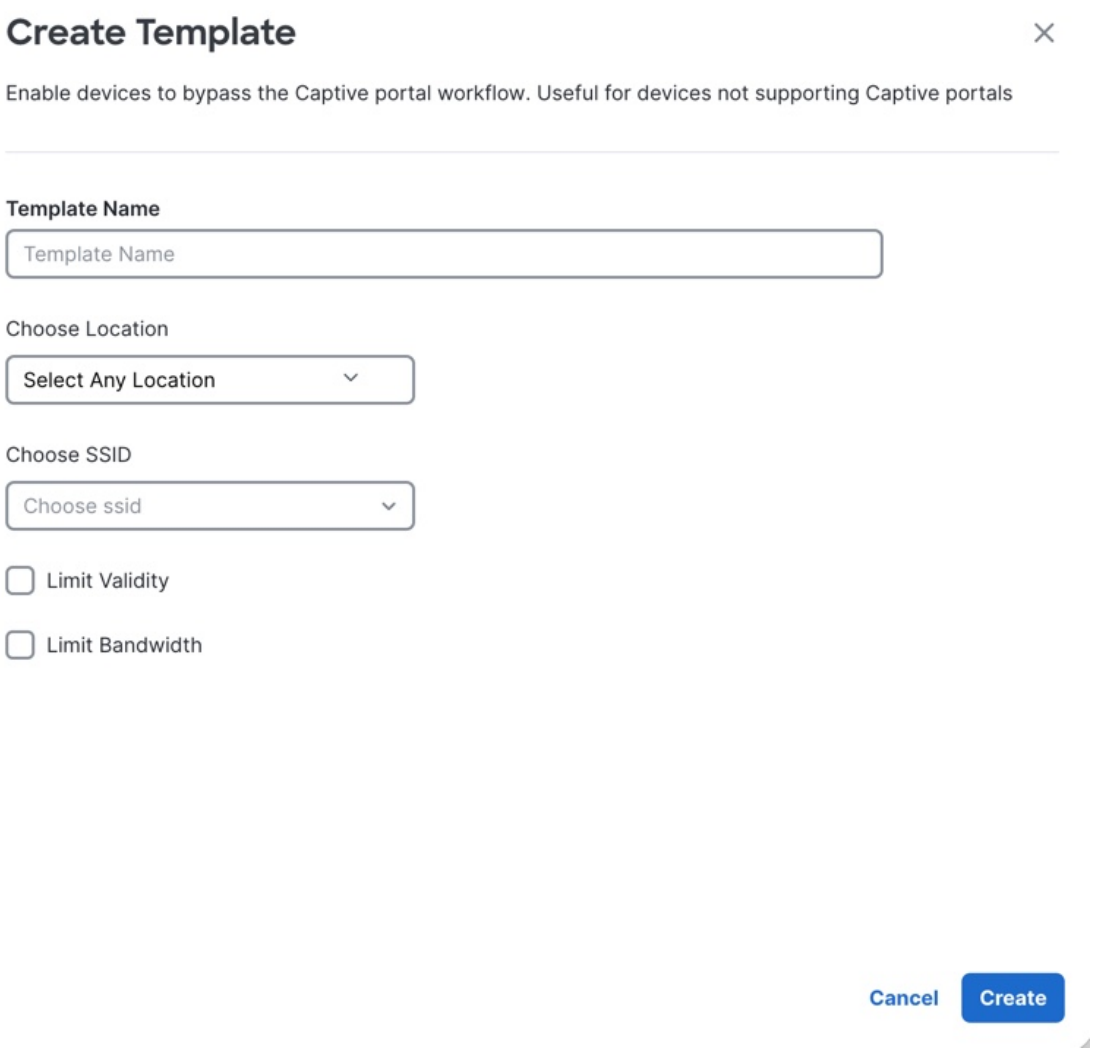
The **SETTINGS** window is displayed with three tabs: **SMS Gateway**, **Social Apps**, **Access Code Templates**, and **Trusted Devices Templates**.

Step 3 Click **Trusted Devices Templates**.

Step 4 To create a template, click **Create Template**.

The **Create Template** window is displayed.

Figure 2: Create template



Step 5 On the **Create Template** window, enter these parameters:

- **Template Name**: Enter the name of the new template.
- **Choose Location**: From the **Choose Location** drop-down list, select the location.
- **Choose SSID**: From the **Choose SSID** drop-down list, select the SSID.
- **Limit Validity**: To set the validity limit, check the **Limit Validity** check box and use the slide bar to limit the validity. The validity range is between 30 minutes and two months (approx. 60 days).
- **Limit Bandwidth**: To set the bandwidth, check the **Limit Bandwidth** check box and use the slide bar to limit the bandwidth. The bandwidth is between 50 kilobits per second (kbps) and unlimited.

Step 6 Click **Create**.

The new template is successfully created and displayed in **Settings** > **Trusted Device Templates** tab.

What to do next

You can select the template and add devices.

Add the devices

Add trusted devices to the Captive Portal for device management.

Use this task to add new devices to Captive Portal by their MAC address.

Before you begin

Ensure you have the MAC addresses for all devices to be added.

Procedure

Step 1 In Cisco Spaces dashboard, click the **Menu** icon and choose **Home** > **SMART VENUES** > **Captive Portals** app tile.

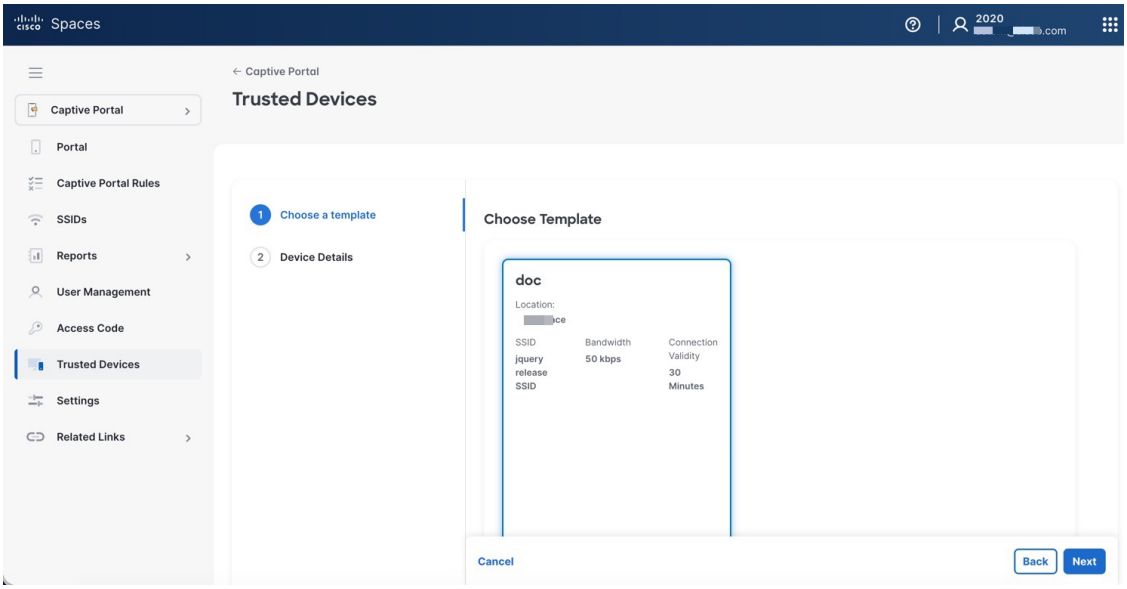
Optionally, from the **Dashboard** drop-down list (left navigation pane of the Cisco Spaces **Home** window), select **Captive Portals**.

The **Portal** window is displayed. In the left navigation pane, you can view the available tabs for **Captive Portals** app.

Step 2 In the left navigation pane, click **Trusted Devices**.

Step 3 In the **Trusted Devices** window, click **+New Devices**.

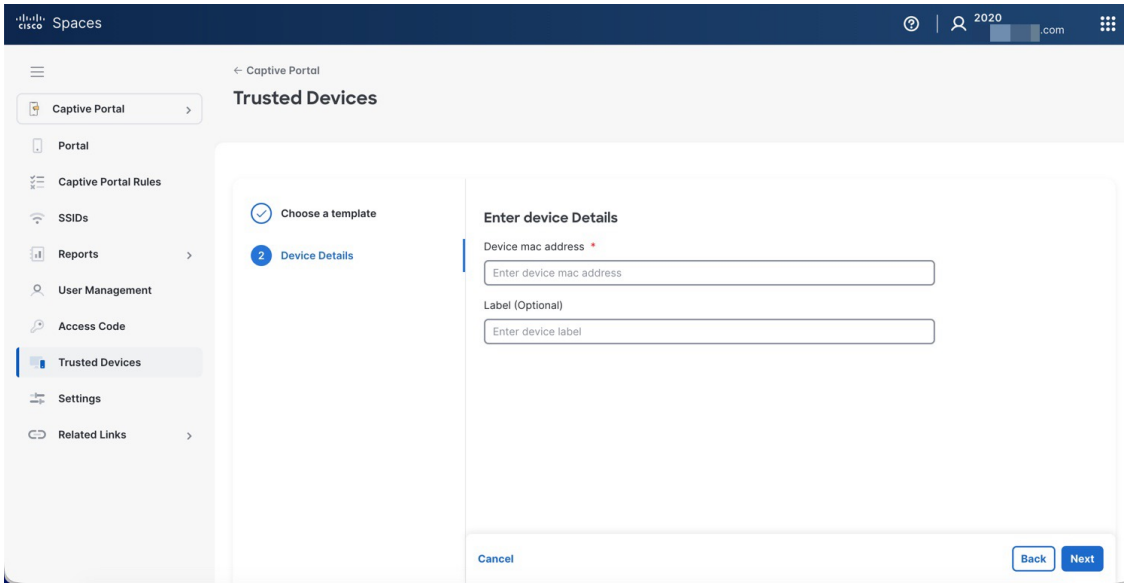
Figure 3: Add devices



Step 4 Choose a template and click **Next**.

Step 5 In the **Device Details** section, enter the MAC address of the device and provide a label description. The device MAC address is mandatory.

Figure 4: Add device details



Step 6 Click **Next** to add the new trusted device.
The success message is displayed indicating that the new trusted device is saved successfully.

The new trusted device details are displayed in the **Trusted Devices** window under the **Devices** section.

What to do next

You can proceed to add multiple trusted devices or edit the existing device details. Use the **Edit** (pencil icon) to update the device details or **Delete** (trash icon) to delete the device.