Fabric Management

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Managing Fabrics

A fabric is a logical group of devices that is managed as a single entity in one or multiple locations. Having a fabric in place enables several capabilities, such as the creation of virtual networks and user and device groups, and advanced reporting. Other capabilities include intelligent services for application recognition, traffic analytics, traffic prioritization, and steering for optimum performance and operational effectiveness.

The Cisco MSX allows you to add devices to a fabric network. These devices can be configured to act as control plane, border or edge devices within the fabric network.

Creating a Fabric Domain

Before you begin

- Pre-provision the underlay infrastructure as defined in the Cisco DNAC SD-Access LAN Automation Deployment Guide.
- Create policy definitions that reflect your organization's business intent for a particular aspect of the network, such as network access. See, Cisco DNA Center Users Guide, Release 2.2.2.

Procedure

Step 1 Log in to the Cisco MSX portal using your credentials.

Step 2 From the left pane, click **Tenant Workspace** and then choose a tenant from the drop-down list.

Step 3 Under **Tenant Workspace**, click **Service Controls**.

The list of service controls attached to a tenant is displayed.

Step 4 Click **Fabric Management**.

The **Fabric Management** window is displayed.

Step 5 Click **Add Fabric (+)** icon.

The **Add Fabric** window is displayed.

Step 6 Enter a name and description for the fabric.

Step 7 Click **Next**.

Step 8 Choose a controller from the drop-down list.

Step 9 Choose a site from the drop-down list.

Step 10 Click **Next**.

A message displays 'Successfully Created Fabric'.

Step 11 Click **Close**.

Viewing Fabric Details

You can view the following fabric details in the Fabric Management page:

- Controller name
- Number of site domains
- Devices in a fabric
- Authentication template
- Virtual networks
- Port assignment: You have to go to Cisco DNA Center to view the port assignment information.
- Wireless SSID
- Devices at the site domain
- Last Sync Time

Procedure

Step 1 Log in to the Cisco MSX portal using your credentials.

Step 2 From the left pane, click **Tenant Workspace** and then choose a tenant from the drop-down list.

Step 3 Under **Tenant Workspace**, click **Service Controls**.

The list of service controls attached to a tenant is displayed.

Step 4 Click **Fabric Management**.

The **Fabric Management** window is displayed with the list of fabrics.

Step 5 Choose a fabric from the list by clicking on it. You can also click on **View Actions(…)** icon and click **View Details**.

The **Fabric Management** window displays the fabric details. You can modify the fabric details in Cisco DNA Center. Click **Modify on Cisco DNA Center** to launch the Cisco DNA Center.

You can configure the following details in Cisco DNA Center:

- Authentication template
- Port assignment
- Wireless SSID
- Segmenting your virtual network

  To configure the details, click the **launch** icon to launch the Cisco DNA Center.

Deleting a Fabric

Before you delete a fabric, ensure that you have deleted the site domain. You can delete a fabric only if you have deleted the site domain.

Procedure

Step 1 Log in to the Cisco MSX portal using your credentials.

Step 2 From the left pane, click **Tenant Workspace** and then choose a tenant from the drop-down list.

Step 3 Under **Tenant Workspace**, click **Service Controls**.

The list of service controls attached to a tenant is displayed.

Step 4 Click **Fabric Management**.

The **Fabric Management** window is displayed with the list of fabrics.

Step 5 Choose a fabric from the list. Click the **View Actions(…)** icon and then click **Delete Fabric**.

A message displays 'Fabric Successfully Deleted'.

Note If the fabric contains a site domain, you cannot delete it. You will get a message 'Failed to Delete Fabric'. Delete the site domain first and then delete the fabric. For more information, see Deleting a Site Domain.

Deleting a Site Domain

This procedure shows how to delete a site domain.

Procedure

Step 1 Log in to the Cisco MSX portal using your credentials.

Step 2 From the left pane, click **Tenant Workspace** and then choose a tenant from the drop-down list.

Step 3 Under **Tenant Workspace**, click **Service Controls**.

The list of service controls attached to a tenant is displayed.

Step 4 Click **Fabric Management**.

The **Fabric Management** window is displayed with the list of fabrics.

Step 5 Choose a fabric from the list. Click the **View Actions(…)** icon and then click **Delete Site Domain**.

Delete Site Domain window is displayed.

Step 6 From the **Site Domain** drop-down list, select a site domain.

Step 7 Click **Delete**.

A message displays 'Site Domain Successfully Deleted'.

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Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
CiscoSystems(USA)Pte.Ltd.
Singapore

Europe Headquarters
CiscoSystemsInternationalBV
Amsterdam,TheNetherlands

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