

Adding Tenants and Schemas

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Adding Tenants

This section describes how to add tenants using the Multi-Site Orchestrator GUI.

Before you begin

You must have a user with either `Power User` or `Site Manager` read-write role to create and manage tenants.

Procedure

Step 1 Log in to the Cisco ACI Multi-Site Orchestrator GUI.

Step 2 In the **Main menu**, select **Infrastructure** > **Tenants**.

Step 3 In the top right of the main pane, click **Add Tenant**.

Step 4 In the **Display Name** field, provide the tenant's name.

The tenant's **Display Name** is used throughout the Orchestrator's GUI whenever the tenant is shown. However, due to object naming requirements on the Cisco APIC, any invalid characters are removed and the resulting **Internal Name** is used when pushing the tenant to sites. The **Internal Name** that will be used when creating the tenant is displayed below the **Display Name** textbox.

You can change the **Display Name** of the tenant at any time, but the **Internal Name** cannot be changed after the tenant is created.

Step 5 (Optional) In the **Description** field, enter a description of the tenant.

Step 6 In the **Associated Sites** section, add the sites.

a) Check all sites where you plan to deploy templates that use this tenant.

Only the selected sites will be available for any templates using this tenant.

Note
If you select a site that is connected via an MPLS network, you will

b) From the **Security Domains** drop-down list, choose the site's security domains.

Security domains are created using the Cisco APIC GUI and can be assigned to various Cisco APIC policies and user accounts to control their access. For more information, see the *Cisco APIC Basic Configuration Guide*.

Step 7 In the **Associated Users** section, add Orchestrator users.

Only the selected users will be able to use this tenant when creating templates.

Step 8 (Optional) Enable consistency checker scheduler.

You can choose to enable regular consistency checks. For more information about the consistency checker feature, see *Cisco ACI Multi-Site Troubleshooting Guide*.

Step 9 Click **SAVE** to finish adding the tenant.

Adding Schemas

This section describes how to add schemas using the Cisco ACI Multi-Site Orchestrator GUI.

Procedure

Step 1 Log in to the Cisco ACI Multi-Site Orchestrator GUI, in the **Main menu**, click **Schemas**.

Step 2 In the **Schemas List** area, click **ADD SCHEMA**.

Step 3 In the **Untitled Schema** field, enter the new schema's name.

Step 4 Select a tenant.

In the main window pane, click **To build your schema please click here to select a tenant** then select a tenant from the **SELECT A TENANT** drop-down list.

Step 5 (Optional) Import fabric elements.

You can create new objects and push them out to one or more sites or you can import existing site-local objects and manage them using the Multi-Site Orchestrator. To import existing objects:

a) Click **IMPORT** button.
b) Select the site from which you want to import objects
c) In the **Import** window that opens, select one or more objects you want to import.

Note
The names of the objects imported into the Multi-Site Orchestrator must be unique across all sites. Importing different objects with duplicate names will cause a schema validation error and the import to fail. If you want to import objects that have the same name, you must first rename them.

Step 6 Add new fabric elements.

a) Click **+ Application profile**, in the **Master List**, enter the application profile name.
b) Click **+ Add EPG** field, in the **Master List**, perform the following actions:

1. In the **DISPLAY NAME** field, enter the EPG name.

2. Click **ADD SUBNET**, in the **Add Subnet** pane, perform the following actions:
   a. In the **GATEWAY IP** field, enter the gateway IP/netmask.
   b. In the **DESCRIPTION** field, enter a brief description.
   c. In the **SCOPE** section, choose **Private to VRF** or **Advertised Externally** radio button.
   d. In the **SHARED BETWEEN VRFS** section, place a check in the check box to share between VRFs.
   e. In the **NO DEFAULT SVI GATEWAY** section, place a check in the check box to not have a default SVI gateway.
   f. Click **SAVE**.
   g. Repeat 3d to create another EPG. You should have two EPGs.

c) In the **BRIDGE DOMAIN** field, from the drop-down list, choose a bridge domain or enter a bridge domain name to create one.
d) Click **+ CONTRACT** field, perform the following actions:
   1. In the **CONTRACT** field, from the drop-down list, choose a contract or enter a contract name to create one.
   2. In the **TYPE** field, from the drop-down list, choose **consumer**.
   3. Click **SAVE**.
e) Click **ADD CONTRACT** field to add a second contract, perform the following actions:
   1. In the **CONTRACT** field, from the drop-down list, choose a contract or enter a contract name to create one.
   2. In the **TYPE** field, from the drop-down list, choose **provider**.
   3. Click **SAVE**.
f) Click **+ VRF**, in the **Master List**, perform the following actions:
   1. In the **DISPLAY NAME** field, enter the VRF name.
g) Click **+ Add Bridge Domain**, in the **Master List**, perform the following actions:
   1. In the **DISPLAY NAME** field, enter the bridge domain name.
   2. In the **VIRTUAL ROUTING & FORWARDING** field, from the drop-down list, choose a VRF name or enter a VRF name to create one.
   3. In the **L2STRETCH** section, place a check in the check box to enable Layer 2 stretch.
   4. In the **INTERSITEBUMTRAFFICALLOW** section, place a check in the check box to allow intersite BUM traffic.
   5. In the **L2UNKNOWNUNICAST** field, from the drop-down list, choose **proxy** or **flood**.
   6. Click **[+] Add Subnet**, perform the following actions:
      a. In the **GATEWAY IP** field, enter the gateway IP address/netmask.
      b. In the **DESCRIPTION** field, enter a brief description of the subnet.
      c. In the **SCOPE** field, choose **Private to VRF** or **Advertised Externally**.

d. In the **SHARED BETWEEN VRFS** section, place a check in the check box to share between VRFs.

e. In the **NO DEFAULT SVI GATEWAY** section, place a check in the check box to not have a default SVI gateway.

f. In the **QUERIER** section, place a check in the check box to querier.

g. Click **OK**.

h) Click **Sites +**, place a check in the check box for each site.
i) Click **SAVE**.
j) Click **Click DEPLOY TO SITES**.