



Getting Started with Cisco Virtual Topology System

This chapter provides an overview of Cisco Virtual Topology System (VTS). It also provides a high level workflow of the tasks that you need to perform after you install Cisco VTS.

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Logging in

To log in to the Cisco VTS GUI:

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- Step 1** Open a supported browser, and enter the URL of the server. For example: `http://<IP Address>`. Cisco VTS supports Google Chrome and Mozilla Firefox browsers.
- Step 2** Enter the username and passphrase, and click **Login**. The default username and passphrase is admin/admin. The Change Password window appears.
- You are required to change the passphrase for the admin account the first time you are logging in. Click the Passphrase guidelines link in the Cisco VTS GUI for details about the passphrase guidelines.
- Step 3** Enter the **New Passphrase**, and reenter the new passphrase in the **Confirm New Passphrase** field.
- Step 4** Click **Change Passphrase**.
- To change your passphrase subsequently, click **Change Passphrase** on the top right settings button. See the *Changing Password for Cisco VTS from VTS GUI* in the *Cisco VTS Installation Guide*, for details.
- The Cisco VTS welcome screen is displayed. The screen provides two options for you to continue with the set up tasks.
- You may use the Quick Guide, which displays the tasks you need to complete in order to get started with the system.

If you are familiar with the Cisco VTS setup tasks, you may opt to close the Quick Guide and proceed with the tasks. You can access the Quick Guide anytime from the Settings menu on the top right corner of the Cisco VTS GUI.

Using the Quick Guide

On logging in for the first time, the Quick Guide appears.



Note

You may opt to close the Quick Guide and proceed to the set up tasks on your own, via the Cisco VTS GUI. To get a list of tasks that need to be performed to set up and get started with Cisco VTS, see [Initial Configuration Tasks, on page 2](#) section. At any time, you can access the Quick Guide from the settings menu on the top right corner of the Cisco VTS GUI.

The Quick Guide has the following tasks listed:

Task	Subtasks	Doc Section
Administration	<ul style="list-style-type: none"> • System Settings • Virtual Machine Manager 	<ul style="list-style-type: none"> • Setting up System • Registering the Virtual Machine Manager using GUI
Set up Inventory	<ul style="list-style-type: none"> • Discover Devices 	<ul style="list-style-type: none"> • Managing Inventory
Admin Domains	Create Admin Domains	Creating an Admin Domain
Set up Tenants	Add Tenants	Adding Tenants
Set up Overlay	<ul style="list-style-type: none"> • Add Network • Define Baremetal • Add Virtual Machines • Add Routers 	Provisioning Overlay Networks

Initial Configuration Tasks

After bringing up the Virtual Topology Controller (VTC) Virtual Machine (VM), do the following:

**Note**

Before you perform the tasks below, ensure that installation is complete, Day Zero configuration on leafs is done, and all underlay configurations are working.

Sequence	Task	Navigation in VTS GUI / User Guide Section	Additional Notes
1	Create an Authorization Group	Inventory > Authorization Group For more information about creating authorization group, see Managing Local Users and Groups	This will have credentials for logging into your devices. You can create as many auth groups as necessary.
2	Discover the Topology of all the leafs, spine, border-leafs, and DCI	Discovery > Topology Discovery For more information about adding devices and host information, see Performing Auto Discovery	VTFs are not detected in topology discovery.
3	Import the devices after adding the auth group	Inventory > Import Inventory For more information about adding devices and host information, see Importing Inventory using CSV File	
4	Add the DHCP Server IP and Anycast Gateway MAC	Administration > System Settings For more information about adding devices and host information, see Administering Cisco VTS .	

Sequence	Task	Navigation in VTS GUI / User Guide Section	Additional Notes
5	Perform VTSR and VTF Registration. First bring up VTSR and let it register with VTC. Then bring up VTFs. Note This step is required only if you have a VTF-based deployment.	See the <i>Installing the Virtual Topology Forwarder</i> section in the <i>Cisco VTS Installation Guide</i> .	To verify that the VFG group is created, go to Inventory > Virtual Forwarding Groups.
6	Update the BGP ASN information for the devices	Inventory > Network Inventory For more information, see Viewing Network Inventory .	
7	Create resource pools	<ul style="list-style-type: none"> • Resource Pools > Global VNI Pool • Resource Pools > Device Specific VLAN Pools • Resource Pools > Multicast IP Pool For more information about creating an admin domain, see Managing Resources	
8	Set the Route Reflector	Administration > Route Reflector For more information about setting global route reflector, see Setting Global Route Reflector .	

Sequence	Task	Navigation in VTS GUI / User Guide Section	Additional Notes
9	Create an Admin Domain	Admin Domains > Domains For more information about creating an admin domain, see Creating an Admin Domain	Properties for the L2/L3 Gateway Group are as follows: <ul style="list-style-type: none"> • Control Protocol: BGP-EVPN • Replication Modes : Multicast and Ingress • Distribution Mode: Decentralized
10	Add the devices to the Gateway Group	Admin Domains > Domains For more information about creating an admin domain, see Creating an Admin Domain	See the <i>Supported Platforms</i> section in the <i>Cisco VTS Installation Guide</i> for details about devices support for different roles.
11	Add the ToR and VTSR to the L2 and L3 Gateway Group	Admin Domains > Domains For more information about creating an admin domain, see Creating an Admin Domain	
12	Save the Admin Domain you created	Admin Domains > Domains For more information about creating an admin domain, see Creating an Admin Domain	

Notes Regarding VMware vSphere Distributed Switch

The following points need to be taken care of while you create a vDS.

**Note**

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- All the ToRs in the inventory should be part of the vDS.
 - One vDS can represent one or more ToRs.
 - All the hosts that are connected to a particular ToR should be part of the same vDS.
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For Non-vPC Specific Configuration

If you are not using vPC on the leaves:

- Associate one or more leafs per vDS.
- Attach the hosts data interface to the vDS uplinks.

**Note**

See VMware documentation for the detailed procedure.

For vPC Specific Configuration

If you are using vPC on the leaves:

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- Step 1** Create one vDS switch for one or more vPC pairs.
- Step 2** Enable enhanced LACP.
See VMware documentation for the detailed procedure.
- Step 3** Create a Link Aggregation Group for each vDS.
See VMware documentation for the detailed procedure.
- Step 4** You may remove the default port group that gets created as it will not be used.
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