



Configuring CVDM-CSM

The CVDM-CSM Manager allows user to setup the CSM module features with the help of wizards, which simplifies the complex configuration.

This section includes the following topics:

- [Understanding Wizards, page 2-1](#)
- [Basic Setup Wizard, page 2-2](#)
- [Advanced Setup Wizard, page 2-12](#)
- [How Do I?, page 2-14](#)

Understanding Wizards

CVDM-CSM Manager allows you to choose between two types of setup wizards:

- [Basic Setup Wizard](#)
- [Advanced Setup Wizard](#)

To choose between the two Wizards:

-
- Step 1** Click **Setup** from the task bar. The Setup page appears.
 - Step 2** Click **Wizards** in the left-most pane. The setup wizards information appears in the content area.
 - Step 3** You can select either of the following two wizards:
 - Basic Setup Wizard

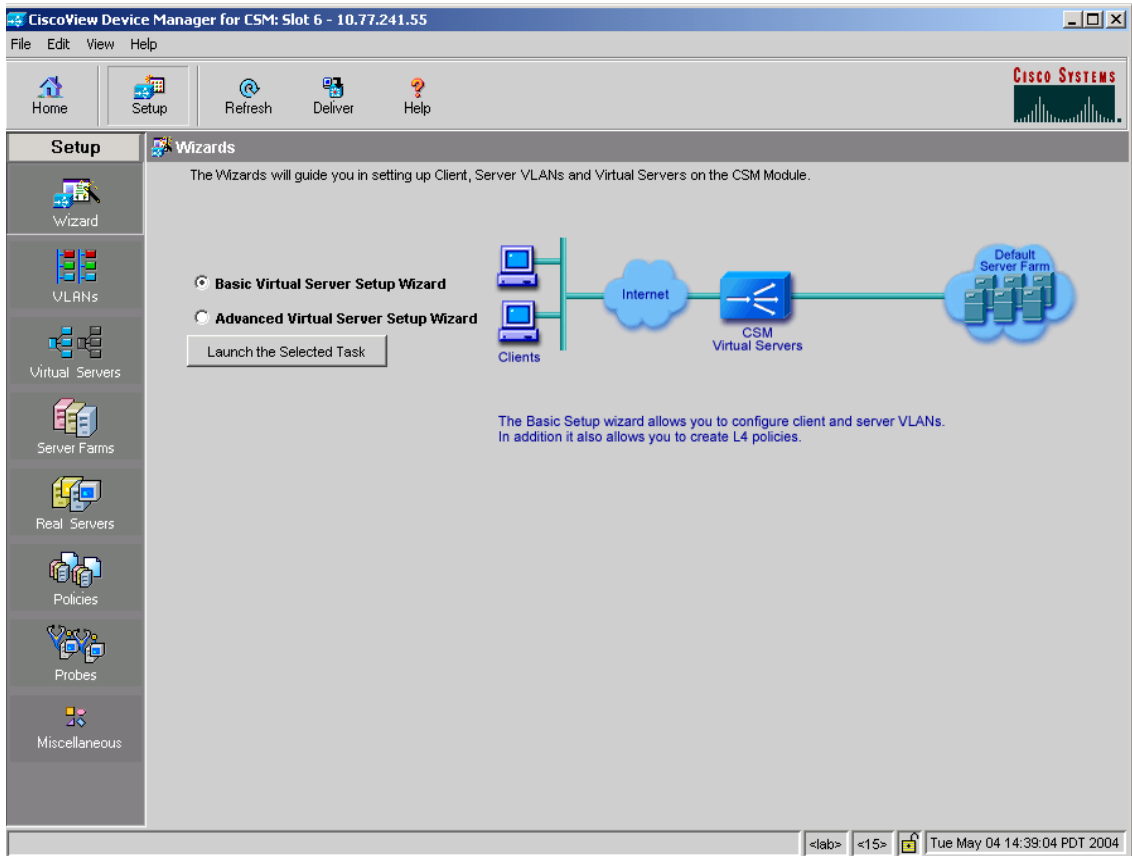
- Advanced Setup Wizard

Step 4 Click **Launch Selected Task** to launch the corresponding wizard.

Basic Setup Wizard

The Basic Setup Wizard allows you to configure client and server VLANs and also create Layer 4 policies.

Figure 2-1 Basic Setup Wizard Page



115306

Welcome Page

The Welcome page lists the three basic configuration steps:

- [Configuring Client and Server Side VLAN](#)
- [Configuring Virtual Server](#)
- [Configuring Default Policy](#)

Configuring Client and Server Side VLAN

Both wizards allows you to create Client side VLAN and Server side VLANs by specifying IP address, alias IP address, gateway and static route values.

To do this:

-
- Step 1** Click **Setup** from the task bar, then click **Wizards** in the left-most pane.
 - Step 2** The Setup Wizards information appears in the content area.
 - Step 3** You can select any of the following two wizards:
 - **Basic Setup Wizard**
 - **Advanced Setup Wizard.**
 - Step 4** Click **Launch Selected Task** to launch the corresponding wizard dialog. The Welcome page appears.
 - Step 5** Select **Configure Client and Server Side VLAN**. The Configure Client and Server Side VLAN dialog box appears.

The following fields appear in the Configure Client and Server Side VLAN dialog box:

Field	Action/Description
Client VLAN	
VLAN ID	<p>Specify the ID of the VLAN. You can create a new VLAN or choose from an available VLAN.</p> <p>Click <input type="button" value="▽..."/> and select of the following:</p> <ul style="list-style-type: none"> • Select VLAN to select a VLAN from a list. • Create VLAN to create a VLAN by entering the VLAN ID.
IP Address	Enter the IP address of the VLAN. Only one management IP address is allowed per VLAN.
Alias	<p>Enter the alias IP address. You can configure up to 255 aliases per VLAN. When more than one alias IP address is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="▽..."/> and select Add Alias. The Add Alias dialog box appears. Enter the alias IP address.</p>
Gateways	<p>From the list, select the gateway for the VLAN. You can configure up to seven gateways per VLAN, with a total of up to 255 gateways for the entire system. A gateway must be in the same network as specified in the IP address. When more than one gateway IP address is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="▽..."/> and select Add Gateways. The Add Gateways dialog box appears. Enter the Gateway IP address.</p>
Static Routes	<p>Specify the static route. When more than one static route is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="▽..."/> and select Add Static Route to add a static route from a list. For more information on adding static route, see “Adding Static Route” section on page 2-6.</p>
Server VLAN	

Field	Action/Description
VLAN ID	<p>Specify the ID of the VLAN. You can create a new VLAN or choose from an available VLAN.</p> <p>Click <input type="button" value="v..."/> and select one of the following:</p> <ul style="list-style-type: none"> • Select VLAN to select a VLAN from a list. • Create VLAN to create a VLAN by entering the VLAN ID.
IP Address	Enter the IP address for the CVDM-CSM.
Alias	<p>Enter the alias IP address. When more than one alias IP address is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="v..."/> and select Add Alias. The Add Alias dialog box appears. Enter the alias IP address.</p>
Mask	<p>From the list, select the IP mask to be applied. You can choose from Class A, Class B, Class A and Class D masks.</p> <p>If it is not specified, the default for network mask is 255.255.255.255.</p>
Gateways	<p>From the list, select the gateway for the VLAN. You can configure up to seven gateways per VLAN, with a total of up to 255 gateways for the entire system. A gateway must be in the same network as specified in the ip address. When more than one gateway IP address is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="v..."/> and select Add Gateways. The Add Gateways dialog box appears. Enter the Gateway IP address.</p>
Static Routes	<p>Specify the static route. When more than one static route is listed, they will appear serially separated by a comma.</p> <p>Click <input type="button" value="v..."/> and select Add Static Route to add a static route from a list. For more information on adding static route, see “Adding Static Route” section on page 2-6.</p>

Adding Static Route

The following fields appear:

Field	Description
Destination IP	Enter the IP address of the destination.
Mask	From the list, select the mask to be applied. You can choose from Class A, Class B, Class A and Class D masks. If it is not specified, the default for network mask is 255.255.255.255.
Next Hop	Enter the IP address of the next hop.

Configuring Virtual Server

To configure a virtual server:

- Step 1** Click **Setup** from the task bar, then click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
- Step 2** You can select any of the following two wizards:
 - **Basic Setup Wizard**
 - **Advanced Setup Wizard.**
- Step 3** Click **Launch Selected Task** to launch the corresponding wizard dialog. The Welcome page appears.
- Step 4** Click **Next**. The Configure Client and Server Side VLAN dialog box appears.
- Step 5** Click **Next**. The Configure Virtual Server dialog box appears.

The following fields appear in the Configure Virtual Server dialog box:

Field	Description
Virtual Server	<p>Click <input type="button" value="▽..."/> and select one of the following:</p> <ul style="list-style-type: none"> • Select Virtual Server to select a Virtual Server from a list. • Create Virtual Server to create a Virtual Server by entering the name of the Virtual Server.
Virtual IP Address	
IP Address	Enter the IP address of the Virtual Sever.
Mask	Mask for the IP address to allow connections to an entire network. The default IP mask is 255.255.255.255.
Protocol	From the list, select the load-balancing protocol.
Allow Traffic from VLAN	From the list, select the VLAN from which traffic is enabled.
Port	<p>From the list, select the port.</p> <p>This field is enabled only when you choose TCP or UDP as the protocol.</p>
Service Type	From the list, select service type.

Configuring Default Policy

You can configure multiple real servers and associate them to the server farm, and delete the association of the existing real server.

-
- Step 1** Click **Setup** from the taskbar, click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
- Step 2** You can select any of the following two wizards:
- **Basic Setup Wizard**
 - **Advanced Setup Wizard.**
- Step 3** Click **Launch Selected Task** to launch the corresponding wizard dialog. The Welcome page appears.
- Step 4** Click **Next**. The Configure Client and Server Side VLAN dialog box appears.
- Step 5** Click **Next**. The Configure Virtual Server dialog box appears.
- Step 6** Click **Next**. The Configure Default Policy dialog box appears.

In case of the Advanced Setup Wizard you will have to Configure Layer 7 Policies to reach the Default policy dialog box.

The following fields appear in the Configure Default Policy dialog box:

Field	Description
Default Server Farm	Click <input type="text" value="▽..."/> and select one of the following: <ul style="list-style-type: none"> • Select Server Farm to select a Virtual Server from a list. • Create Server Farm to create a Server Farm by entering the name of the Server Farm.
Associated Real Servers	
Real	The Real Server associated to the server farms.
Minimum Connections	Minimum number of connections for the real server.
Maximum Connections	Maximum number of connections for the real server.

Field	Description
Weight	Weight assigned to the real server. The weight identifies the capacity of the real server compared to other real servers in the server farm.
Admin Status	Lets you know the admin status of the real server.

From the Configure Default Policy page, you can access functions to do the following:

- Click **Add** and do either of the following:
 - Choose **Select Named Real Server Farm** to choose a real server from a list. For more information on adding a named Real Server, see [“Adding Named Real Server”](#) section on page 5-17.
 - Choose **Create Unnamed Real Server Farm** to create a Server Farm. For more information on adding an unnamed Real Server, see [“Adding Unnamed Real Server”](#) section on page 5-20.
- Click **Edit** to edit the selected Real Server. For more information on editing a Real Server, see [“Editing a Real Server”](#) section on page 6-9.
- Click **Delete** to delete the selected Real Server.

Summary

You can see a list of all the generated CLI commands that are delivered to the device after you click the **Finish** button.

- Step 1** Click **Setup** from the taskbar, click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
- Step 2** You can select any of the following two wizards:
- **Basic Setup Wizard**
 - **Advanced Setup Wizard**
- Step 3** Click **Launch Selected Task** to launch the corresponding wizard dialog. The Welcome page appears.
- Step 4** Click **Next**. The Configure Client and Server Side VLAN dialog box appears.
- Step 5** Click **Next**. The Configure Virtual Server dialog box appears.
- In case of the Advanced Setup Wizard you will have to **Configure Layer 7 Policies** then click **Next**.
- Step 6** Click **Next**. The Configure Default Policy dialog box appears.
- Step 7** Click **Next**. The Summary dialog box appears.
-

Delivering a Configuration to the Switch or Module

You can preview CLI commands that will be delivered to the device after you click the **Finish** button.

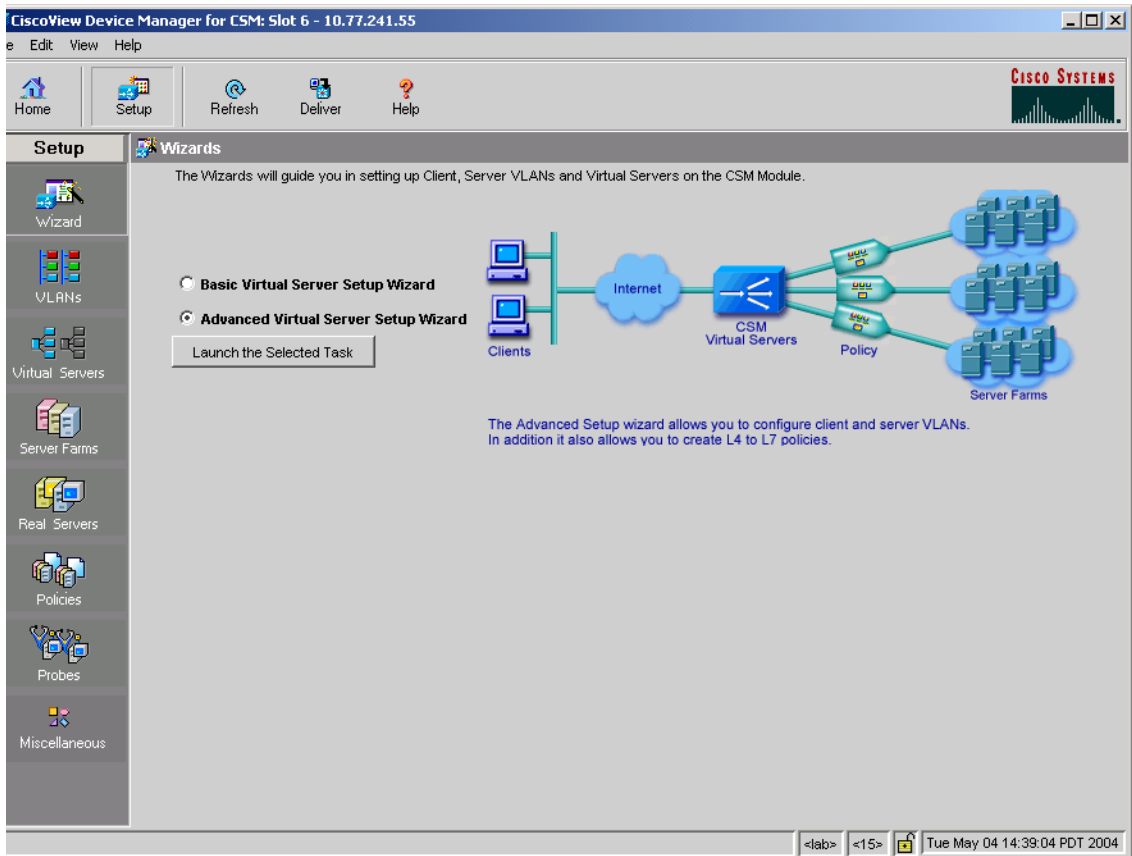
From the Deliver Configuration to Switch/Module(s) page, you can do the following:

- Deliver the CLI commands immediately to the device or module.
- Deliver the CLI commands at a later time to the device or module.
- Save the CLI commands immediately to the device or module.

Advanced Setup Wizard

The Advanced Setup Wizard allows you to configure client and server VLANs and also create layer 4 to layer 7 policies.

Figure 2-2 Advanced Wizards Page



115307

Welcome Page

The welcome page lists the four advanced configuration steps:

- [Configuring Client and Server Side VLAN](#)
- [Configuring Virtual Server](#)
- [Configuring Layer 7 Policies](#)
- [Configuring Default Policy](#)

Configuring Layer 7 Policies

You can create and associate layer 7 policies to the Virtual Server. You can view the already associated Policies, add new ones, delete existing policies, and also change the order of the policies.

You can configure the policy, and also configure and associate the following to the policy:

- One map of each type (URL, Header, Cookie and Return Code).
- One sticky group of any type (Cookie, SSL, NetMask or Header).
- One client group.

To do this:

-
- Step 1** Click **Setup** from the taskbar, click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
 - Step 2** Select **Advanced Setup Wizard**.
 - Step 3** Click **Launch Selected Task** to launch the corresponding wizard dialog box. The Welcome dialog appears. Click **Next**.
 - Step 4** The Configure Client and Server Side VLAN dialog box appears. Click **Next**.
 - Step 5** The Configure Virtual Server dialog box appears. Click **Next**.
 - Step 6** The Configure and Associate Layer 7 Policies dialog box appears. From this page, you can access functions to do the following:
 - Click **Add** and select one of the following:
 - **Select Policy** to select from a list of configured policies.

- **Create Policy** to add a new policy. For more information on creating policies, see [“Adding Policies” section on page 7-4](#).
- Select a policy and click **Delete** to remove policies from the Virtual Server.
- Click the Up button to move the policies up in the list.
- Click the Down button to move the policies down in the list.

**Note**

Be sure to order the policies in the correct order. The traffic will be routed based on the order of policies.

How Do I?

This section describes how to perform a task. The following questions are answered:

- [How Do I Set Up a Virtual Server with Default Policy?](#)
- [How Do I Set Up a Virtual Server with Layer 7 Policy?](#)

How Do I Set Up a Virtual Server with Default Policy?

The Basic Setup Wizard allows you to configure and associate multiple Real Servers to the Server Farm and delete the association of the existing Real Server.

To setup a virtual server with the default policy:

-
- Step 1** Click **Setup** from the taskbar, click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
 - Step 2** Select **Basic Setup Wizard**, then click **Launch Selected Task**. The Welcome page appears.
 - Step 3** Click **Next**. The Configure Client and Server Side VLAN dialog box appears.
 - Step 4** Click **Next**. The Configure Virtual Server dialog box appears.
 - Step 5** Click **Next**. The Configure Default Policy dialog box appears.
 - Step 6** Configure the default server farm or specify one from the list.
Click and select one of the following:
 - **Select Server Farm** to select a Virtual Server from a list.
 - **Create Server Farm** to create a Server Farm by entering the name of the Server Farm.
-

Related Topics:

- [Configuring Client and Server Side VLAN, page 2-3](#)
- [Configuring Virtual Server, page 2-6](#)
- [Configuring Default Policy, page 2-8](#)
- [How Do I Set Up a Virtual Server with Layer 7 Policy?, page 2-16](#)

How Do I Set Up a Virtual Server with Layer 7 Policy?

The Advanced Setup Wizard allows you to configure client and server VLANs and create layer 4 to layer 7 policies.

To setup a virtual server with Layer 7 policy:

-
- Step 1** Click **Setup** from the task bar, click **Wizards** in the left-most pane. The Setup Wizards information appears in the content area.
 - Step 2** Select **Advanced Setup Wizard**, then click **Launch Selected Task**. The Welcome page appears.
 - Step 3** Click **Next**. The Configure Client and Server Side VLAN dialog box appears.
 - Step 4** Click **Next**. The Configure Virtual Server dialog box appears.
 - Step 5** Click **Next**. The Configure and Associate Layer 7 Policies dialog box appears. Configure the virtual server or specify one from the list, and associate the required maps, Sticky group and a Client group.
-

Related Topics:

- [Configuring Client and Server Side VLAN, page 2-3](#)
- [Configuring Virtual Server, page 2-6](#)
- [Configuring Layer 7 Policies, page 2-13](#)
- [How Do I Set Up a Virtual Server with Default Policy?, page 2-15](#)