



# Managing an L2VPN Service Request

This chapter covers the basic steps to provision an L2VPN service. It contains the following sections:

- [Introducing L2VPN Service Requests, page 5-1](#)
- [Creating an L2VPN Service Request, page 5-2](#)
- [Creating an L2VPN Service Request with a CE, page 5-3](#)
- [Creating an EWS L2VPN Service Request with a CE, page 5-10](#)
- [Creating an L2VPN Service Request without a CE, page 5-13](#)
- [Creating an EWS L2VPN Service Request without a CE, page 5-17](#)
- [Modifying the L2VPN Service Request, page 5-22](#)
- [Saving the L2VPN Service Request, page 5-27](#)

## Introducing L2VPN Service Requests

An L2VPN service request consists of one or more end-to-end wires, connecting various sites in a point-to-point topology. When you create a service request, you enter several parameters, including the specific interfaces on the CE and PE routers.



**Note**

If you are creating an L2TPv3 service request, see [Chapter 7, “Introducing L2TPv3 Service Requests.”](#)

You can also integrate a Cisco IP Solution Center (ISC) template with a service request. You can associate one or more templates to the CE and the PE.

To create a service request, a Service Policy must already be defined, as described in [Chapter 4, “Creating an L2VPN Policy”](#).

Based on the predefined L2VPN policy, an operator creates an L2VPN service request, with or without modifications to the L2VPN policy, and deploys the service. Service creation and deployment are normally performed by regular network technicians for daily operation of network provisioning.

The following steps are involved in creating a service request for Layer 2 connectivity between customer sites:

- Choose a CE Topology for ERS/Frame Relay/ATM services.
- Select the endpoints (CE and PE) that must be connected. For each end-to-end Layer 2 connection, ISC creates an end-to-end wire object in the repository for the service request.
- Choose a CE or PE interface.

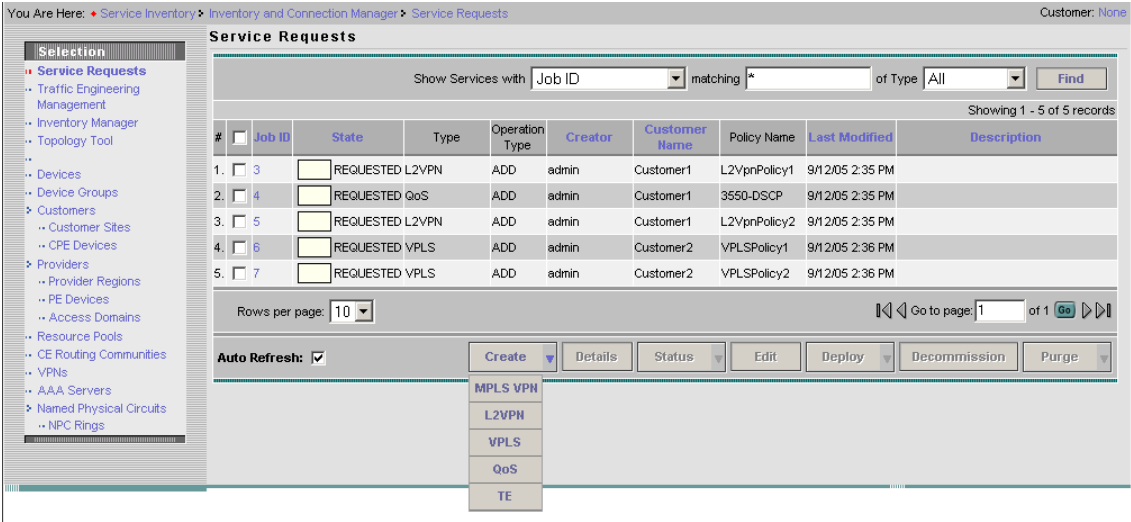
- Choose a Named Physical Circuit (NPC) for the CE or PE.
- Edit the end-to end connection.
- Edit the link attributes.

# Creating an L2VPN Service Request

Perform the following steps to create an L2VPN service request.

- Step 1** Select **Service Inventory > Inventory and Connection Manage > Service Requests**. The Service Requests window appears as shown in [Figure 5-1](#).

**Figure 5-1 L2VPN Service Activation**



- Step 2** Click **Create**.
- Step 3** Choose **L2VPN** from the drop-down list.
- L2VPN service requests must be associated with an L2VPN policy. You choose an L2VPN policy from the policies previously created (see [Chapter 4, “Creating an L2VPN Policy”](#)).
- Step 4** Select the L2VPN policy of choice. See [Figure 5-2](#). If more than one L2VPN policy exists, a list of L2VPN policies appears.

**Figure 5-2 L2VPN Policy Choice**

Select L2VPN Policy

Show L2VPN policies with  matching

Showing 1-10 of 10 records

#	Select	Policy Name	Policy Owner	Service Type	Core Type
1.	<input type="radio"/>	AtmCe	Global	ATM	MPLS
2.	<input type="radio"/>	AtmNoCe	Global	ATM_NO_CE	MPLS
3.	<input type="radio"/>	FrameRelayCe	Global	FRAME_RELAY	MPLS
4.	<input type="radio"/>	FrameRelayNoCe	Global	FRAME_RELAY_NO_CE	MPLS
5.	<input type="radio"/>	L2vpnErsCe	Global	L2VPN_ERS	MPLS
6.	<input type="radio"/>	L2vpnErsNoCe	Global	L2VPN_ERS_NO_CE	MPLS
7.	<input type="radio"/>	L2vpnEwsCe	Global	L2VPN_EWS	MPLS
8.	<input type="radio"/>	L2vpnEwsNoCe	Global	L2VPN_EWS_NO_CE	MPLS
9.	<input type="radio"/>	L2VpnPolicy1	Global	L2VPN_ERS_NO_CE	MPLS
10.	<input type="radio"/>	L2VpnPolicy2	Global	L2VPN_EWS_NO_CE	MPLS

Rows per page:  Go to page:  of 1

138379

**Step 5** When you make the choice, click **OK**.

As soon as you make the choice, the new service request inherits all the properties of that L2VPN policy, such as all the editable and non-editable features and pre-set parameters.

To continue creating an L2VPN service request, go to one of the following sections:

- [Creating an L2VPN Service Request with a CE, page 5-3.](#)
- [Creating an EWS L2VPN Service Request with a CE, page 5-10.](#)
- [Creating an L2VPN Service Request without a CE, page 5-13.](#)
- [Creating an EWS L2VPN Service Request without a CE, page 5-17.](#)

## Creating an L2VPN Service Request with a CE

This section includes detailed steps for creating an L2VPN service request with a CE present for ERS, ATM, and Frame Relay policies. If you are creating an L2VPN service request for an EWS policy, go to [Creating an EWS L2VPN Service Request with a CE, page 5-10.](#)

After you choose an L2VPN policy, the L2VPN Service Request Editor window appears (see [Figure 5-3](#)).

**Figure 5-3 L2VPN Service Request Editor**

L2VPN(Point To Point) Service Request Editor

**Attachment Tunnel Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsCe

Select Topology: Full Mesh

Showing 0 of 0 records

#	<input type="checkbox"/>	CE	CE Interface	Circuit Selection	Circuit Details
Rows per page: 10 Go to page: 1 of 0 Go					
Add Link Delete Link OK Cancel					

Note: \* - Required Field

- Step 1** Choose a **Topology** from the drop-down list. If you choose **Full Mesh**, each CE will have direct connections to every other CE. If you choose **Hub and Spoke**, then only the Hub CE has connection to each Spoke CE and the Spoke CEs do not have direct connection to each other.

**Note**

The full mesh and the hub and spoke topologies make a difference only when you choose more than two end points. For example, with four end points, ISC automatically creates six links with full mesh topology. With hub and spoke topology, however, ISC creates only three links.

- Step 2** Click **Add Link**.

You specify the CE end points using the Attachment Tunnel Editor. You can create one or more CEs from a window like the one in [Figure 5-4](#).

**Figure 5-4 Select CE**

L2VPN(Point To Point) Service Request Editor

**Attachment Tunnel Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsCe

Select Topology: Full Mesh

Showing 1-1 of 1 records

#	<input type="checkbox"/>	CE	CE Interface	Circuit Selection	Circuit Details
1.	<input type="checkbox"/>	Select CE	<input type="text"/> Detail	Select one circuit	Circuit Details

Rows per page: 10 Go to page: 1 of 1 Go

Add Link Delete Link OK Cancel

Note: \* - Required Field

**Note**

All the services that deploy point-to-point connections (ERS, EWS, ATMoMPLS, and FRoMPLS) must have at least two CEs specified.

- Step 3** Click **Select CE** in the CE column. The CPE for Attachment Circuit window appears (see [Figure 5-5](#)). This window displays the list of currently defined CEs.
- From the **Show CPEs with** drop-down list, you can display CEs by Customer Name, by Site, or by Device Name.
  - You can use the **Find** button to either search for a specific CE, or to refresh the display.
  - You can set the **Rows per page** to 5, 10, 20, 30, 40, or All.

**Figure 5-5** *Select CPE Device*

Showing 1 - 3 of 3 records

#	Device Name	Customer Name	Site Name	Management Type
1.	ce3	Customer1	east	Managed
2.	ce8	Customer1	east	Managed
3.	ce13	Customer1	east	Managed

Rows per page: 10 Go to page: 1 of 1

Select Cancel

**Step 4** In the Select column, choose a CE for the L2VPN link.

**Step 5** Click **Select**.

The Service Request Editor window appears displaying the name of the selected CE in the CE column.

**Step 6** Select the CE interface from the drop-down list (see [Figure 5-6](#)).

**Figure 5-6** *Select the CE Interface*

Showing 1-1 of 1 records

#	CE	CE Interface	Circuit Selection	Circuit Details
1.	ce3	Select One	Select one circuit	Circuit Details

Rows per page: 10 Go to page: 1 of 1

Add Link Delete Link OK Cancel

Note: \* - Required Field



**Note**

When you provision an L2VPN ERS service, when you select a UNI for a particular device, ISC determines if there are other services using the same UNI. If so, a warning message is displayed. If you ignore the message and save the service request, all of the underlying service requests lying on the same UNI are synchronized with the modified shared attributes of the latest service request. In addition, the state of the existing service requests is changed to the Requested state.

**Note**

ISC only displays the available interfaces for the service, based on the configuration of the underlying interfaces, existing service requests that might be using the interface, and the customer associated with the service request. You can click the **Details** button to display a pop-up window with information on the available interfaces, such as interface name, customer name, VPN name and service request ID, service request type, VLAN translation type, and VLAN ID information.

**Step 7** If only one NPC exists for the Chosen CE and CE interface, that NPC is auto populated in the Circuit Selection column and you need not choose it explicitly. If more than one NPC is available, click **Select one circuit** in the Circuit Selection column. The NPC window appears, enabling you to select the appropriate NPC.

**Step 8** Click **OK**.

Each time you choose a CE and its interface, the NPC that was precreated from this CE and interface is automatically displayed under **Circuit Selection** as in [Figure 5-7](#). This means that you do not have to further specify the PE to complete the link.

**Figure 5-7 NPC Created**

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: New Job ID: New Policy Name: L2vpnErsCe

Select Topology: Full Mesh

Showing 1-1 of 1 records

#	CE	CE Interface	Circuit Selection	Circuit Details
1.	ce3	Ethernet0/1	pe1:Ethernet4/3	Circuit Details

Rows per page: 10

Go to page: 1 of 1

Add Link Delete Link OK Cancel

Note: \* - Required Field

If you want to review the details of this NPC, click **Circuit Details** in the Circuit Details column. The NPC Details window appears and lists the circuit details for this NPC. In [Figure 5-8](#), the CE and PE and their corresponding interfaces appear.

**Figure 5-8 NPC Details**

#	Source Device	Incoming Interface	Outgoing Interface	Ring
1.	ce3		Ethernet0/1	
2.	pe1	Ethernet4/3		

OK

**Step 9** Continue to specify additional CEs, as in previous steps. ISC creates the links between CEs based on the Topology that you chose.

**Step 10** Click **OK** in [Figure 5-9](#).

**Figure 5-9** *NPCs Created*

L2VPN(Point To Point) Service Request Editor

**Attachment Tunnel Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsCe

Select Topology: Full Mesh

Showing 1-2 of 2 records

#	<input type="checkbox"/>	CE	CE Interface	Circuit Selection	Circuit Details
1.	<input type="checkbox"/>	ce3	Ethernet0/1 <a href="#">Detail</a>	pe1:Ethernet4/3	<a href="#">Circuit Details</a>
2.	<input type="checkbox"/>	ce8	FastEthernet0/1 <a href="#">Detail</a>	pe3:Ethernet1/1	<a href="#">Circuit Details</a>

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [OK](#) [Cancel](#)

Note: \* - Required Field

For ERS, ATM, and Frame Relay, the End-to-End Wire Editor window appears as shown in [Figure 5-10](#).

**Figure 5-10** *End-to-End Wire Editor*

L2VPN(Point To Point) Service Request Editor

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsCe (Core Type: MPLS )

VPN: [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	<input type="checkbox"/>	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	VC ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	<input type="checkbox"/>	-	<input type="text"/>	ce3-pe1	<a href="#">Edit</a>	-	<input type="text"/>	ce8-pe3	<a href="#">Edit</a>	-

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

**Step 11** The VPN for this service request appears in the **VPN** field. If there is more than one VPN, click **Select VPN** to choose a VPN. The VPN for L2VPN service request window appears as shown in [Figure 5-11](#).

**Figure 5-11** Select VPN for L2VPN Service Request

Showing 1 - 2 of 2 records

#	VPN Name	Customer Name
1.	<input checked="" type="radio"/> l2vpn_ers_vpn	Customer1
2.	<input type="radio"/> l2vpn_ers_vpn2	Customer1

Rows per page: 10 Go to page: 1 of 1

Select Cancel

**Step 12** Choose a **VPN Name** and click **Select**. The L2VPN Service Request Editor window appears with the VPN name displayed as shown in Figure 5-12.

**Figure 5-12** Attachment Circuit Selection

L2VPN(Point To Point) Service Request Editor

EndToEndWire Editor

SR ID: New Job ID: New Policy Name: L2vpnErsCe (Core Type: MPLS )

VPN: l2vpn\_ers\_vpn Select VPN

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	VC ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.			ce3-pe1	Edit	-		ce8-pe3	Edit	-

Rows per page: 10 Go to page: 1 of 1

Add Link Delete Link Save Cancel

Note: \* - Required Field

**Step 13** Click **Add AC** in the Attachment Circuit AC2 column.

**Step 14** Repeat Steps 3 to 10 for AC2.

The End-to-End Wire Editor window displays the complete end-to-end wire as shown in Figure 5-13.



**Figure 5-13 End-to-End Wire Created**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsCe (Core Type: MPLS )

VPN: \* l2vpn\_ers\_vpn [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	VC ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	-	<input type="text"/>	ce3-pe1	<a href="#">Edit</a>	-	<input type="text"/>	ce8-pe3	<a href="#">Edit</a>	-

Rows per page: 10 [Go to page: 1 of 1](#) [Go](#)

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

You can choose any of the **blue** highlighted values to edit the End-to-End Wire.

You can edit the AC link attributes to change the default policy settings. After you edit these fields, the **blue** link changes from Default to Changed.

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

If the policy was set up for you to define a VC ID manually, enter it into the empty **VC ID** field. If policy was set to “auto pick” the VC ID, ISC will supply a VC ID, and this field will not be editable. In the case where you supply the VC ID manually, if the entered value is in the provider’s range, ISC validates if the entered value is available or allocated. If the entered value has been already allocated, ISC generates an error message saying that the entered value is not available and prompts you to re-enter the value. If the entered value is in the provider’s range, and if it is available, then it is allocated and is removed from the VC ID pool. If the entered value is outside the provider’s range, ISC displays a warning saying that no validation could be performed to verify if it is available or allocated.

You can also click **Add Link** to add an end-to-end wire.

You can click **Delete Link** to delete an end-to-end wire.

**Step 15** When you are finished editing the end-to-end wires, click **Save**.

The service request is created and saved into ISC.

## Creating an EWS L2VPN Service Request with a CE

This section includes detailed steps for creating an L2VPN service request with a CE present for EWS. If you are creating an L2VPN service request for an ERS, ATM, or Frame Relay policy, go to [Creating an L2VPN Service Request with a CE, page 5-3](#).

After you choose an L2VPN policy, the L2VPN Service Request Editor window appears (see [Figure 5-14](#)).

**Figure 5-14** EWS Service Request Editor

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsCe (Core Type: MPLS )

VPN:

Description:

Showing 0 of 0 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
Showing 0 of 0 records								

Rows per page: 10 Go to page: 1 of 0

Note: \* - Required Field

- Step 1** Click **Select VPN** to select a VPN for use with this CE. The Select VPN window appears with the VPNs defined in the system. See [Figure 5-15](#).

**Figure 5-15** Select a VPN

Show VPNs with  matching

Showing 1 - 2 of 2 records

#	VPN Name	Customer Name
1.	<input type="radio"/> l2vpn_ers_vpn	Customer1
2.	<input type="radio"/> l2vpn_ers_vpn2	Customer1

Rows per page: 10 Go to page: 1 of 1

138372

- Step 2** Choose a **VPN Name** in the Select column.
- Step 3** Click **Select**. The L2VPN Service Request Editor window appears with the VPN name displayed.
- Step 4** Click **Add Link**. See [Figure 5-16](#).

**Figure 5-16 End-To-End Wire Editor**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsCe (Core Type: MPLS )

VPN: l2vpn\_ers\_vpn2 [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	-	<input type="text"/>	<a href="#">Add AC</a>	Default	-	<a href="#">Add AC</a>	Default	-

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

**Step 5** Click **Add AC** in the Attachment Circuit (A1) column. The Attachment Tunnel Editor appears as shown in [Figure 5-17](#).

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

**Figure 5-17 Select CE for Attachment Circuit**

**L2VPN(Point To Point) Service Request Editor**

**Attachment Tunnel Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsCe

Showing 1-1 of 1 records

#	CE	CE Interface	Circuit Selection	Circuit Details
1.	<a href="#">Select CE</a>	<input type="text"/>	<a href="#">Detail</a>	<a href="#">Detail</a>

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [OK](#) [Cancel](#)

Note: \* - Required Field

**Step 6** Click **Select CE**. The CPE for Attachment Circuit window appears as shown in [Figure 5-18](#).

This window displays the list of currently defined CEs.

- From the **Show CPEs with** drop-down list, you can display CEs by Customer Name, by Site, or by Device Name.
- You can use the **Find** button to either search for a specific CE, or to refresh the display.
- You can set the **Rows per page** to 5, 10, 20, 30, 40, or All.

**Figure 5-18 CPE for Attachment Circuit**

Show CPEs with  matching

Showing 1 - 3 of 3 records

#	Device Name	Customer Name	Site Name	Management Type
1.	ce3	Customer1	east	Managed
2.	ce8	Customer1	east	Managed
3.	ce13	Customer1	east	Managed

Rows per page:  Go to page:  of 1

**Step 7** In the Select column, choose a CE for the L2VPN link.

**Step 8** Click **Select**.

**Step 9** Choose a CE interface from the drop-down list.

**Step 10** If only one NPC exists for the Chosen CE and CE interface, that NPC is auto populated in the Circuit Selection column and you need not choose it explicitly. If more then one NPC is available, click **Select one circuit** in the Circuit Selection column. The NPC window appears, enabling you to select the appropriate NPC.

**Step 11** Click **OK**.

Each time you choose a CE and its interface, the NPC that was precreated from this CE and interface is automatically displayed under **Circuit Selection** as in [Figure 5-19](#). This means that you do not have to further specify the PE to complete the link.

**Step 12** Click **OK**.

**Figure 5-19 NPC Created**

L2VPN(Point To Point) Service Request Editor

EndToEndWire Editor

SR ID: New Job ID: New Policy Name: L2vpnEwsCe (Core Type: MPLS)

VPN: \* l2vpn\_ers\_vpn2

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	-	<input type="text"/>	ce3-pe1	Default	-	Add AC	Default	-

Rows per page:  Go to page:  of 1

Note: \* - Required Field

**Step 13** The Service Request Editor window appears displaying the name of the selected CE in the AC1 column.

**Step 14** Click **AC1 Link Attributes** and edit the attributes if desired (see the [Modifying the L2VPN Service Request](#), page 5-22). Click **OK**.

**Step 15** Repeat Steps 5 through 14 for **AC2**.

**Step 16** Click **OK**. You see a screen like [Figure 5-20](#).

**Figure 5-20 Attachment Circuits Selected**

L2VPN(Point To Point) Service Request Editor

EndToEndWire Editor

SR ID: New Job ID: New Policy Name: L2vpnEwsCe (Core Type: MPLS )

VPN: L2vpn\_ers\_vpn2 [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	-		ce3-pe1	Default	-	ce8-pe3	Default	-

Rows per page: 10

Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

**Step 17** Click **Save**. The EWS service request is created and saved in ISC.

## Creating an L2VPN Service Request without a CE

This section includes detailed steps for creating an L2VPN service request without a CE present for ERS, ATM, and Frame Relay policies. If you are creating an L2VPN service request for an EWS policy, go to the [Creating an EWS L2VPN Service Request without a CE, page 5-17](#).

After you choose an L2VPN policy, the L2VPN Service Request Editor window appears (see [Figure 5-21](#)).

**Figure 5-21 L2VPN Service Request Editor**

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: New Job ID: New Policy Name: L2vpnErsNoCe

Select Topology: [Full Mesh](#)

Showing 0 of 0 records

#	N-PE-PE AGGREGATE	UNI Interface	Circuit Selection	Circuit Details
---	-------------------	---------------	-------------------	-----------------

Rows per page: 10

Go to page: 1 of 0 [Go](#)

[Add Link](#) [Delete Link](#) [OK](#) [Cancel](#)

Note: \* - Required Field

**Step 1** Choose a **Topology** from the drop-down list. If you choose **Full Mesh**, each CE will have direct connections to every other CE. If you choose **Hub and Spoke**, then only the Hub CE has connection to each Spoke CE and the Spoke CEs do not have direct connection to each other.



**Note**

The full mesh and the hub and spoke topologies make a difference only when you choose more than two endpoints. For example, with four endpoints, ISC automatically creates six links with full mesh topology. With hub and spoke topology, however, ISC creates only three links.

**Step 2** Click **Add Link**.

You specify the N-PE/PE-AGG/U-PE endpoints using the Attachment Tunnel Editor. You can create one or more PEs from a window like the one in [Figure 5-22](#).

**Figure 5-22** *Select U-PE/PE-AGG/N-PE*

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: New Job ID: New Policy Name: L2vpnErsNoCe

Select Topology: Full Mesh

Showing 1-1 of 1 records

#	N-PE/PE-AGG/U-PE	UNI Interface	Circuit Selection	Circuit Details
1.	Select N-PE/PE-AGG/U-PE		Select one circuit	Circuit Details

Rows per page: 10

Go to page: 1 of 1

Add Link Delete Link OK Cancel

Note: \* - Required Field

**Step 3** Click **Select U-PE/PE-AGG/N-PE** in the U-PE/PE-AGG/N-PE column. The PE for Attachment Circuit window appears (see [Figure 5-23](#)). This window displays the list of currently defined PEs.

- The **Show PEs with** drop-down list shows PEs by customer name, by site, or by device name.
- The **Find** button allows a search for a specific PE or a refresh of the window.
- The **Rows per page** drop-down list allows the page to be set to 5, 10, 20, 30, 40, or All.

**Figure 5-23** *Select PE Device*

Show PEs with Provider Name matching \*

Find

Showing 1 - 5 of 5 records

#	Device Name	Provider Name	PE Region Name	Role Type
1.	pe1	Provider1	region_1	N_PE
2.	pe3	Provider1	region_1	N_PE
3.	sw2	Provider1	region_1	U_PE
4.	sw3	Provider1	region_1	U_PE
5.	sw4	Provider1	region_1	U_PE

Rows per page: 10

Go to page: 1 of 1

Select Cancel

**Step 4** In the **Select** column, choose the PE device name for the L2VPN link.

**Step 5** Click **Select**.

The Service Request Editor window appears displaying the name of the selected PE in the PE column.

**Step 6** Select the UNI interface from the drop-down list (see [Figure 5-24](#)).

**Figure 5-24 Select the UNI Interface**



**Note**

When you provision an L2VPN ERS service, when you select a UNI for a particular device, ISC determines if there are other services using the same UNI. If so, a warning message is displayed. If you ignore the message and save the service request, all of the underlying service requests lying on the same UNI are synchronized with the modified shared attributes of the latest service request. In addition, the state of the existing service requests is changed to the Requested state.



**Note**

ISC only displays the available interfaces for the service, based on the configuration of the underlying interfaces, existing service requests that might be using the interface, and the customer associated with the service request. You can click the **Details** button to display a pop-up window with information on the available interfaces, such as interface name, customer name, VPN name and service request ID, service request type, VLAN translation type, and VLAN ID information.

**Step 7** If the PE role type is U-PE, click **Select one circuit** in the Circuit Selection column. The NPC window appears (see [Figure 5-25](#)). If only one NPC exists for the Chosen PE and PE interface, that NPC is auto populated in the Circuit Selection column and you need not choose it explicitly.



**Note**

If the PE role type is N-PE, the columns Circuit Selection and Circuit Details are disabled.

**Figure 5-25**      **Select NPC**

#	Select	Name
1.	<input type="radio"/>	5-(sw2)-<==>(pe1-Ethernet4/1)
2.	<input type="radio"/>	6-(sw2)-<==>(pe1-Ethernet4/2)

Showing 1-2 of 2 records

Rows per page: 10 Go to page: 1 of 1

OK Cancel

**Step 8** Choose the name of the NPC from the **Select** column.

**Step 9** Click **OK**.

Each time you choose a PE and its interface, the NPC that was precreated from this PE and interface is automatically displayed under **Circuit Selection** as in [Figure 5-26](#). This means that you do not have to further specify the PE to complete the link.

**Figure 5-26**      **NPC Created**

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: New Job ID: New Policy Name: L2vpnErsNoCe

Select Topology: Full Mesh

Showing 1-1 of 1 records

#	N-PE/PE-AGG/U-PE	UNI Interface	Circuit Selection	Circuit Details
1.	sw2	FastEthernet0/1	pe1.Ethernet4/2	Circuit Details

Rows per page: 10 Go to page: 1 of 1

Add Link Delete Link OK Cancel

Note: \* - Required Field

**Step 10** If you want to review the details of this NPC, click **Circuit Details** in the Circuit Details column. The NPC Details window appears and lists the circuit details for this NPC. In [Figure 5-27](#), the CE and PE and their corresponding interfaces appear.

**Figure 5-27**      **NPC Details**

#	Source Device	Incoming Interface	Outgoing Interface	Ring
1.	sw2			1-sw2-FastEthernet0/11
2.	pe1			1-sw2-FastEthernet0/11

OK

After you specify all the PEs, ISC creates the links between PEs based on the Topology that you chose.

**Step 11** Click **OK**. The Attachment Tunnel Editor window appears. See [Figure 5-26](#).

**Step 12** Click **OK**.

**Step 13** For ERS, ATM, and Frame Relay, the End-to-End-Wire Editor window appears as shown in [Figure 5-28](#).



**Figure 5-28** *End-to-End Wire Editor*

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnErsNoCe (Core Type: MPLS)

VPN:

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	<input type="checkbox"/>	<input type="text"/>	sw2-pe1	Default	-	sw3-pe1	Default	-

Rows per page: 10 Go to page: 1 of 1

Note: \* - Required Field

**Step 14** The VPN for this service request appears in the Select VPN field. If there is more than one VPN, click **Select VPN** to choose a VPN.

You can choose any of the **blue** highlighted values to edit the End-to-End Wire.

You can edit the AC link attributes to change the default policy settings. After you edit these fields, the **blue** link changes from Default to Changed.

You can also click **Add Link** to add an end-to-end wire.

You can click **Delete Link** to delete an end-to-end wire.

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

**Step 15** When you are finished editing the end-to-end wires, click **Save**.

The service request is created and saved into ISC.

## Creating an EWS L2VPN Service Request without a CE

This section includes detailed steps for creating an L2VPN service request without a CE present for EWS. If you are creating an L2VPN service request for an ERS, ATM, or Frame Relay policy, see [Creating an L2VPN Service Request without a CE, page 5-13](#).

After you choose an L2VPN policy, the L2VPN Service Request Editor window appears (see [Figure 5-29](#)).

**Figure 5-29 EWS Service Request Editor**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsNoCe (Core Type: MPLS)

VPN: \*

Description:

Showing 0 of 0 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
---	----	-------------	---------------------------	----------------	-------------	---------------------------	----------------	-------------

Rows per page: 10 Go to page: 1 of 0

Note: \* - Required Field

- Step 1** Click **Select VPN** to select a VPN for use with this PE. The Select a VPN window appears with the VPNs defined in the system. See [Figure 5-30](#).

**Figure 5-30 Select a VPN**

Show VPNs with VPN Name matching \*

Showing 1 - 5 of 5 records

#	VPN Name	Customer Name
1.	<input type="radio"/> l2vpn_ers_vpn	Customer1
2.	<input type="radio"/> l2vpn_ers_vpn2	Customer2
3.	<input type="radio"/> l2vpn_ers_vpn3	Customer3
4.	<input checked="" type="radio"/> l2vpn_ews_vpn	Customer1
5.	<input type="radio"/> l2vpn_ews_vpn2	Customer2

Rows per page: 10 Go to page: 1 of 1

- Step 2** Choose a **VPN Name** in the Select column.
- Step 3** Click **Select**. The L2VPN Service Request Editor window appears with the VPN name displayed.
- Step 4** Click **Add Link**. See [Figure 5-31](#).

**Figure 5-31 End-To-End Wire Editor**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsNoCe (Core Type: MPLS)

VPN: \* l2vpn\_ews\_vpn [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	<input type="checkbox"/>	<input type="text"/>	<a href="#">Add AC</a>	Default	-	<a href="#">Add AC</a>	Default	-

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

**Step 5** Click **Add AC** in the Attachment Circuit (AC1) column. See [Figure 5-32](#).

**Figure 5-32 Select the PE for the Attachment Circuit**

**L2VPN(Point To Point) Service Request Editor**

**Attachment Tunnel Editor**

SR ID: New Job ID: New Policy Name: L2vpnEwsNoCe

Showing 1-1 of 1 records

#	N-PE/PE-AGG/U-PE	UNI Interface	Circuit Selection	Circuit Details
1.	<a href="#">Select N-PE/PE-AGG/U-PE</a>	<input type="text"/>	<a href="#">Detail</a>	Select one circuit

Rows per page: 10 Go to page: 1 of 1 [Go](#)

[Add Link](#) [Delete Link](#) [OK](#) [Cancel](#)

Note: \* - Required Field

**Step 6** Click **Select N-PE/PE-AGG/U-PE**. The PE for Attachment Circuit window appears as shown in [Figure 5-33](#).

This window displays the list of currently defined PEs.

- From the **Show PEs with** drop-down list, you can display PEs by Customer Name, by Site, or by Device Name.
- You can use the **Find** button to either search for a specific PE, or to refresh the display.
- You can set the **Rows per page** to 5, 10, 20, 30, 40, or All.

Figure 5-33 PE for Attachment Circuit

Show PEs with  matching

Showing 1 - 5 of 5 records

#		Device Name	Provider Name	PE Region Name	Role Type
1.	<input type="radio"/>	pe1	Provider1	region_1	N_PE
2.	<input type="radio"/>	pe3	Provider1	region_1	N_PE
3.	<input type="radio"/>	sw2	Provider1	region_1	U_PE
4.	<input type="radio"/>	sw3	Provider1	region_1	U_PE
5.	<input type="radio"/>	sw4	Provider1	region_1	U_PE

Rows per page:

- Step 7

In the Select column, choose a PE for the L2VPN link.
- Step 8

Click **Select**.
- Step 9

Choose a PE interface from the drop-down list as shown in [Figure 5-34](#).

Figure 5-34 PE Interface

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: 
 Job ID: 
 Policy Name:

Showing 1-1 of 1 records

#	<input type="checkbox"/>	N_PE/PE_AGG/PE	UNI Interface	Circuit Selection	Circuit Details
1.	<input type="checkbox"/>	sw3	<input type="text" value="Select One"/>	<input type="button" value="Select one circuit"/>	<input type="button" value="Circuit Details"/>

Rows per page:

Note: \* - Required Field



Note

ISC only displays the available interfaces for the service, based on the configuration of the underlying interfaces, existing service requests that might be using the interface, and the customer associated with the service request. You can click the **Details** button to display a pop-up window with information on the available interfaces, such as interface name, customer name, VPN name and service request ID, service request type, VLAN translation type, and VLAN ID information.

- Step 10

Click **OK** if the PE role type is N-PE.
- Step 11

If the PE role type is U-PE, click **Select one circuit** in the Circuit Selection column. The NPC window appears (see [Figure 5-35](#)). If only one NPC exists for the Chosen PE and PE interface, that NPC is auto populated in the Circuit Selection column and you need not choose it explicitly.



Note

If the PE role type is N-PE, the columns Circuit Selection and Circuit Details are disabled.

**Figure 5-35**      **Select NPC**

#	Select	Name
1.	<input checked="" type="radio"/>	1-(sw3-GigabitEthernet0/2)<==>(pe1-FastEthernet0/0)
2.	<input type="radio"/>	7-(sw3-)<==>(pe1-Ethernet4/1)
3.	<input type="radio"/>	8-(sw3-)<==>(pe1-Ethernet4/2)

Showing 1-3 of 3 records

Rows per page: 10 Go to page: 1 of 1

OK Cancel

**Step 12** Choose the name of the NPC from the Select column.

**Step 13** Click **OK**.

Each time you choose a PE and its interface, the NPC that was precreated from this PE and interface is automatically displayed under **Circuit Selection** as in [Figure 5-36](#). This means that you do not have to further specify the PE to complete the link.

**Figure 5-36**      **NPC Created**

L2VPN(Point To Point) Service Request Editor

Attachment Tunnel Editor

SR ID: New Job ID: New Policy Name: L2vpnEwsNoCe

Showing 1-1 of 1 records

#	N-PE/PE-AGG/PE	UNI Interface	Circuit Selection	Circuit Details
1.	sw3	GigabitEthernet0/5	pe1:Ethernet4/2	Circuit Details

Rows per page: 10 Go to page: 1 of 1

Add Link Delete Link OK Cancel

Note: \* - Required Field

**Step 14** Click **OK**. The Service Request Editor window ([Figure 5-37](#)) appears displaying the name of the selected PE in the AC1 column.

**Figure 5-37**      **Attachment Circuit Selected**

L2VPN(Point To Point) Service Request Editor

EndToEndWire Editor

SR ID: New Job ID: New Policy Name: L2vpnEwsNoCe (Core Type: MPLS )

VPN: \* l2vpn\_ews\_vpn Select VPN

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	-		sw3-pe1	Default	-	Add AC	Default	-

Rows per page: 10 Go to page: 1 of 1

Add Link Delete Link Save Cancel

Note: \* - Required Field

**Step 15** Click **AC1 Link Attributes** and edit the attributes if desired (see the [Modifying the L2VPN Service Request, page 5-22](#)). Click **OK**.

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

**Step 16** Repeat Steps 5 through 15 for **AC2**.

**Step 17** Click **Save**. The EWS service request is created and saved in ISC.

# Modifying the L2VPN Service Request

After you choose all the CE end points and the NPC from the CE, go to the End-to-End Wire Editor and work on the end-to-end wire—the end-to-end connection that links two CEs. An end-to-end wire is a virtual logical link between a CE-CE pair. Each end-to-end-wire is associated with one end-to-end wire attribute and two attachment circuits (ACs). An AC is a virtual logical link between a CE-PE pair. Each AC is associated with one set of AC attributes and one or more L2VPN logical links.

**Step 1** Select **Service Inventory > Inventory and Connection Manager > Service Requests**. See [Figure 5-38](#).

**Figure 5-38 L2VPN Service Activation**

Service Requests

Show Services with Job ID matching of Type All Find

Showing 1 - 9 of 9 records

#	Job ID	State	Type	Operation Type	Creator	Customer Name	Policy Name	Last Modified	Description
1.	3	REQUESTED	L2VPN	MODIFY	admin	Customer1	L2VpnPolicy1	9/13/05 2:40 PM	
2.	4	REQUESTED	GoS	ADD	admin	Customer1	3550-DSCP	9/12/05 2:35 PM	
3.	5	REQUESTED	L2VPN	ADD	admin	Customer1	L2VpnPolicy2	9/12/05 2:35 PM	
4.	6	REQUESTED	VPLS	ADD	admin	Customer2	VPLSPolicy1	9/12/05 2:36 PM	
5.	7	REQUESTED	VPLS	ADD	admin	Customer2	VPLSPolicy2	9/12/05 2:36 PM	
6.	13	REQUESTED	L2VPN	ADD	admin	Customer1	L2vpnErsCe	9/13/05 5:21 PM	
7.	17	REQUESTED	L2VPN	ADD	admin	Customer1	L2vpnEwsCe	9/14/05 10:41 AM	
8.	18	REQUESTED	L2VPN	ADD	admin	Customer3	L2vpnErsNoCe	9/14/05 11:08 AM	
9.	19	REQUESTED	L2VPN	ADD	admin	Customer1	L2vpnEwsNoCe	9/14/05 11:38 AM	

Rows per page: 10 Go to page: 1 of 1

Auto Refresh: ☒ Create Details Status Edit Deploy Decommission Purge

**Step 2** Select a check box for a service request.

**Step 3** Click **Edit**. The End-to-End-Wire Editor window appears as shown in [Figure 5-39](#).

**Figure 5-39 End-to-End Wire Editor**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: 13 Job ID: 13 Policy Name: L2vpnErsCe (Core Type: MPLS )

VPN: \* l2vpn\_ers\_vpn [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	VC ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	8	<input type="text"/>	ce3-pe1	Default	VLAN:1	104	ce8-pe3	Default	VLAN:1

Rows per page: 10 Go to page: 1 of 1

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

**Step 4** The VPN for this service request appears in the Select VPN field. If this request has more than one VPN, click **Select VPN** to choose a VPN.

You can choose any of the blue highlighted values to edit the End-to-End Wire.

You can edit the AC link attributes to change the default policy settings. After you edit these fields, the blue link changes from Default to Changed.

You can enter a description for the service request in the first **Description** field. The description will show up in this window and also in the Description column of the Service Requests window. The maximum length for this field is 256 characters.

You can enter a description for each end-to-end wire in the **Description** field provided for each wire. The description shows up only in this window. The data in this field is not pushed to the device(s). The maximum length for this field is 256 characters.

The Circuit ID is created automatically, based on the VLAN data for the circuit.

If the policy was set up for you to define a VC ID manually, enter it into the empty **VC ID** field. If policy was set to “auto pick” the VC ID, ISC will supply a VC ID, and this field will not be editable. In the case where you supply the VC ID manually, if the entered value is in the provider’s range, ISC validates if the entered value is available or allocated. If the entered value has been already allocated, ISC generates an error message saying that the entered value is not available and prompts you to re-enter the value. If the entered value is in the provider’s range, and if it is available, then it is allocated and is removed from the VC ID pool. If the entered value is outside the provider’s range, ISC displays a warning saying that no validation could be performed to verify if it is available or allocated.

You can also click **Add Link** to add an end-to-end wire.

You can click **Delete Link** to delete an end-to-end wire.

The ID number is system-generated identification number for the circuit.

The Circuit ID is created automatically, based on the service. For example, for Ethernet, it is based on the VLAN number; for Frame Relay, it is based on the DLCI; for ATM, it is based on the VPI/VCI.

**Step 5** To add a template data file to an attachment circuit, click **Default**. The Link Attributes window appears as shown in [Figure 5-40](#).

**Note**

To add a template to an attachment circuit, you must have already created the template. For detailed steps to create templates, see [Cisco IP Solution Center Infrastructure Reference, 4.1](#).

Figure 5-40 Link Attributes Window

Link Attributes

Attribute	Value	
<b>PE Information</b>		
Interface Name	pe1	
Standard UNI Port	Ethernet4/3	
PE/UNI Interface Description:	<input type="checkbox"/>	
Encapsulation:	<input type="text" value="DOT1Q"/>	
<b>CE Information</b>		
Interface Name	ce3	
Encapsulation:	Ethernet0/1	
IP Address with Mask:	<input type="text" value="DOT1Q"/> (x.x.x.x/xx)	
UNI Shutdown	<input type="checkbox"/>	
<b>VLAN and Other Information</b>		
VLAN ID AutoPick	<input checked="" type="checkbox"/>	
VLAN Name	<input type="text"/>	
Link Speed	<input type="text" value="None"/>	
Link Duplex	<input type="text" value="None"/>	
Use Existing ACL Name	<input type="checkbox"/>	
Port-Based ACL Name	<input type="text"/>	
UNI MAC Addresses	<input type="text"/> <input type="button" value="Edit"/>	
UNI Port Security	<input type="checkbox"/>	
N-PE Pseudo-wire On SVI	<input checked="" type="checkbox"/>	
VLAN Translation	<input checked="" type="radio"/> No <input type="radio"/> 1:1 <input type="radio"/> 2:1	
<b>Device Name</b>		
ce3	Role: MANAGED	Templates: <input type="button" value="Add"/>
pe1	Role: N_PE	Templates: <input type="button" value="Add"/>

Note: \* - Required Field

**Step 6** Choose a Device Name, and click **Add** under Templates. The Add/Remove Templates window appears as shown in Figure 5-41.

Figure 5-41 Add/Remove Templates

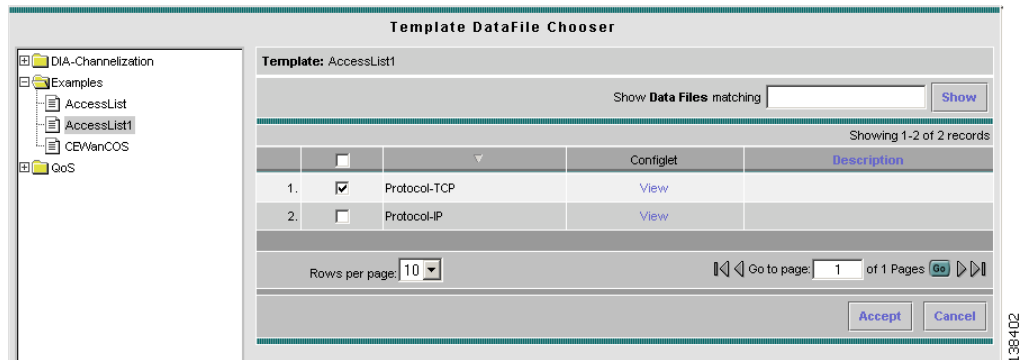
Showing 0 of 0 records

#	Template	Data File	Action	Active
---	----------	-----------	--------	--------

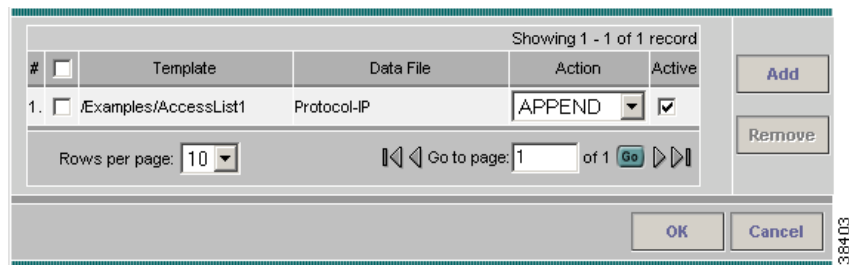
Rows per page:  Go to page:  of 1

**Step 7** Click **Add**. The Template Data File Chooser window appears as shown in Figure 5-42.



**Figure 5-42**      **Template Datafile Chooser**

- Step 8**      Select the template that you want to add and click **Accept**. The Add/Remove Templates window appears with the template displayed as shown in [Figure 5-43](#).

**Figure 5-43**      **Add/Remove Templates with Templates Shown**

- Step 9**      Choose a Template name.
- Step 10**     Under Action, use the drop-down list and select **APPEND** or **PREPEND**. Append tells ISC to append the template generated CLI to the regular ISC (non-template) CLI. Prepend is the reverse and does not append the template to the ISC CLI.
- Step 11**     Select Active to use this template for this service request. If you do not select Active, the template is not used.
- Step 12**     Click **OK**. The Link Attributes with the template added appears as shown in [Figure 5-44](#)

Figure 5-44 Link Attributes with Template Added

Link Attributes

Attribute	Value									
<b>PE Information</b>										
Interface Name	pe1 Ethernet4/3									
Standard UNI Port	<input checked="" type="checkbox"/>									
PE/UNI Interface Description:										
Encapsulation:	DOT1Q									
<b>CE Information</b>										
Interface Name	ce3 Ethernet0/1									
Encapsulation:	DOT1Q									
IP Address with Mask:	(x.x.x.x/xx)									
UNI Shutdown	<input type="checkbox"/>									
<b>VLAN and Other Information</b>										
VLAN ID AutoPick	<input checked="" type="checkbox"/>									
VLAN Name										
Link Speed	None									
Link Duplex	None									
<b>Use Existing ACL Name</b>										
Port-Based ACL Name										
UNI MAC Addresses	<div>Edit</div>									
<b>UNI Port Security</b>										
UNI Port Security	<input type="checkbox"/>									
<b>N-PE Pseudo-wire On SVI</b>										
N-PE Pseudo-wire On SVI	<input checked="" type="checkbox"/>									
<b>VLAN Translation</b>										
VLAN Translation	<input checked="" type="radio"/> No <input type="radio"/> 1:1 <input type="radio"/> 2:1									
<table><thead><tr><th>Device Name</th><th>Role</th><th>Templates</th></tr></thead><tbody><tr><td>ce3</td><td>MANAGED</td><td>AccessList1/Protocol-TCP</td></tr><tr><td>pe1</td><td>N_PE</td><td>Add</td></tr></tbody></table>		Device Name	Role	Templates	ce3	MANAGED	AccessList1/Protocol-TCP	pe1	N_PE	Add
Device Name	Role	Templates								
ce3	MANAGED	AccessList1/Protocol-TCP								
pe1	N_PE	Add								

Note: \*- Required Field

OK

Cancel

138404

**Step 13** Click **OK**. The Service Request Editor window appears showing the default for AC1 changed as shown in Figure 5-45.

**Figure 5-45 Service Request Editor with Link Attributes Changed.**

**L2VPN(Point To Point) Service Request Editor**

**EndToEndWire Editor**

SR ID: 4 Job ID: 4 Policy Name: L2vpnErsCe (Core Type: MPLS )

VPN: \* l2vpn\_ers\_vpn [Select VPN](#)

Description:

Showing 1-1 of 1 records

#	<input checked="" type="checkbox"/>	ID	Description	Attachment Circuit1 (AC1)	AC1 Attributes	Circuit1 ID	VC ID	Attachment Circuit2 (AC2)	AC2 Attributes	Circuit2 ID
1.	<input checked="" type="checkbox"/>	4	<input type="text"/>	ce3-pe1	Changed	VLAN:20	100	ce8-pe3	Default	VLAN:20

Rows per page: 10 Go to page: 1 of 1

[Add Link](#) [Delete Link](#) [Save](#) [Cancel](#)

Note: \* - Required Field

**Step 14** When you are finished editing the end-to-end wires, click **Save**.

## Saving the L2VPN Service Request

When you are finished with Link Attributes for all the Attachment Circuits, click **Save** to finish the L2VPN service request creation as shown in [Figure 5-46](#).

If the L2VPN service request is successfully created, you will see the service request list window where the newly created L2VPN service request is added with the state of REQUESTED as shown in [Figure 5-46](#). If, however, the L2VPN service request creation failed for some reason (for example, the value chosen is out of bounds), you are warned with an error message. Go back to correct the error and **Save** again.

**Figure 5-46 L2VPN Service Request Created**

**Service Requests**

Show Services with Job ID  matching \*  of Type  [Find](#)

Showing 1 - 1 of 1 record

#	<input checked="" type="checkbox"/>	Job ID	State	Type	Operation Type	Creator	Customer Name	Policy Name	Last Modified	Description
1.	<input checked="" type="checkbox"/>	4	REQUESTED	L2VPN	MODIFY	admin	Customer1	L2vpnErsCe	11/23/05 3:21 PM	

Rows per page: 10 Go to page: 1 of 1

Auto Refresh: ☒ [Create](#) [Details](#) [Status](#) [Edit](#) [Deploy](#) [Decommission](#) [Purge](#)

The L2VPN service request is in Requested state. See [Deploying Service Requests, page 12-1](#) for information on deploying L2VPN service requests.

