



Generating MPLS Reports

This chapter provides information on generating MPLS reports. It contains the following sections:

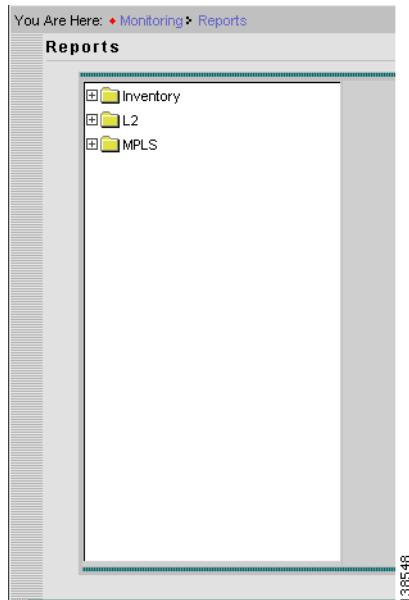
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Overview

The ISC reporting GUI is used across multiple ISC modules, including MPLS. For a general coverage of using the reports GUI, running reports, using the output from reports, and creating customized reports, see “Monitoring” chapter in [Cisco IP Solution Center Infrastructure Reference, 4.1](#). The rest of this chapter provides information about the MPLS reports available in ISC.

Accessing MPLS Reports

- Step 1** To access the reports framework in the ISC GUI, choose **Monitoring > Reports**.
- Step 2** Click on the MPLS folder to display the available MPLS reports.
The Reports window appears, see [Figure 14-1](#).

Figure 14-1 Reports Window

- Step 3** From the reports listed under MPLS in the left navigation tree, click on the desired report to bring up the window associated with that report.
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**Note**

Several sample reports are provided in the MPLS reports folder. These reports begin with the title **SAMPLE-**. These reports are provided for informational purposes only. They are untested and unsupported. You might want to use them, along with the supported reports, as a basis for creating your own custom reports. See [“Creating Custom Reports” section on page 14-6](#) for information on custom reports.

MPLS PE Service Report

The MPLS Service report allows you to choose PEs and display their roles (for example, N-PE, U-PE or PE-AGG) and MPLS-related services that are running on them.

Click the MPLS Service Report icon to bring up the window for this report, as shown in [Figure 14-2](#).

Figure 14-2 *MPLS PE Service Report*

Layout	
Title:	MPLS PE Service Report
Chart Type:	Tabular
Filters (All field values are required, * or a valid value.)	
PE Role:	*
PE Name:	*
Sorting	
Field:	PE Role Ascending
Output Fields	
PE Role PE Name Policy Type SR State SR ID SR Job ID	

Filter Values

- **PE Role** – PE device role (N-PE, U-PE, or PE-AGG).
- **PE Name** – PE device name.

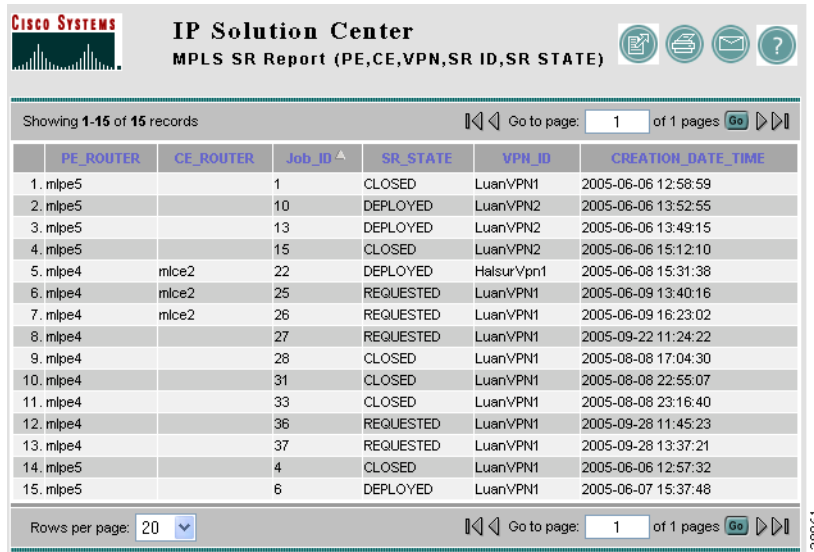
Output Values

- **PE Role** – List by PE device role (N-PE, U-PE, or PE-AGG).
- **PE Name** – List by PE device name.
- **Policy Type** – List by type of Policy.
- **SR State** – List by service request state (see [Appendix B, “Service Request Transition States”](#)).
- **SR ID** – list by service request ID.
- **SR Job ID** – List by service request job ID.

Running Reports

To run the report, click **View** in the lower right corner of the report window. This generates the report output. An example of an MPLS service request report output is shown in [Figure 14-3](#).

Figure 14-3 Report Output



Cisco Systems **IP Solution Center**
MPLS SR Report (PE,CE,VPN,SR ID,SR STATE)

Showing 1-15 of 15 records

	PE_ROUTER	CE_ROUTER	Job_ID ▲	SR_STATE	VPH_ID	CREATION_DATE_TIME
1.	mlpe5		1	CLOSED	LuanVPN1	2005-06-06 12:58:59
2.	mlpe5		10	DEPLOYED	LuanVPN2	2005-06-06 13:52:55
3.	mlpe5		13	DEPLOYED	LuanVPN2	2005-06-06 13:49:15
4.	mlpe5		15	CLOSED	LuanVPN2	2005-06-06 15:12:10
5.	mlpe4	mlce2	22	DEPLOYED	HalsurVpn1	2005-06-08 15:31:38
6.	mlpe4	mlce2	25	REQUESTED	LuanVPN1	2005-06-09 13:40:16
7.	mlpe4	mlce2	26	REQUESTED	LuanVPN1	2005-06-09 16:23:02
8.	mlpe4		27	REQUESTED	LuanVPN1	2005-09-22 11:24:22
9.	mlpe4		28	CLOSED	LuanVPN1	2005-08-08 17:04:30
10.	mlpe4		31	CLOSED	LuanVPN1	2005-08-08 22:55:07
11.	mlpe4		33	CLOSED	LuanVPN1	2005-08-08 23:16:40
12.	mlpe4		36	REQUESTED	LuanVPN1	2005-09-28 11:45:23
13.	mlpe4		37	REQUESTED	LuanVPN1	2005-09-28 13:37:21
14.	mlpe5		4	CLOSED	LuanVPN1	2005-06-06 12:57:32
15.	mlpe5		6	DEPLOYED	LuanVPN1	2005-06-07 15:37:48

Rows per page: 20

In the current release of ISC, the reports GUI supports output in tabular format. The output is listed in columns, which are derived from the outputs you selected in the reports window.

Each row (or record) represents one match of the search criteria you set using the filter fields in the reports window.

The column heading with a triangle icon is the output that the records are sorted by. By clicking on any column heading, you can toggle between ascending and descending sort order. To sort on another output value, click on the heading for that value.

MPLS Service Request Report

The MPLS Service Request report feature allows you to list service requests as related to PE, CE, VPN, SR ID, SR STATE.

Click the MPLS Service Request Report icon to bring up the window for this report, as shown in [Figure 14-4](#).

Figure 14-4 MPLS Service Request Report

Layout	
Title:	MPLS SR Report (PE,CE,VPN,SR ID,SR STATE)
Chart Type:	Tabular
Filters (All field values are required, * or a valid value.)	
PE_ROUTER:	* Select
CE_ROUTER:	* Select
Job_ID:	*
SR_STATE:	*
VPN_ID:	* Select
Output Fields	
PE_ROUTER CE_ROUTER Job_ID SR_STATE VPN_ID CREATION_DATE_TIME	
Sorting	
N/A	

Filter Values

- **PE ROUTER** – Choose some or all (*) PE routers.
- **CE ROUTER** – Choose some or all (*) CE routers.
- **Job ID** – Service request job IDs.
- **SR STATE** – Service Request states (see [Appendix B](#), “Service Request Transition States”).
- **VPN ID** – Choose some or all (*) VPNs by ID.

Output Filters

- **PE ROUTER** – Show PE routers.
- **CE ROUTER** – Show CE routers.
- **Job ID** – List by Job ID.
- **VPN ID** – List by VPN ID.
- **CREATION DATE TIME** – List by date and time report created.

Creating Custom Reports

The reports listed in the ISC GUI in the MPLS folder are derived from an underlying configuration file. The file is in XML format. You can access the file in the following location:

\$ISC_HOME/resources/nbi/reports/ISC/mpls_report.xml

See the “Monitoring” chapter in [Cisco IP Solution Center Infrastructure Reference, 4.1](#) for details on how to modify report configuration files to create custom reports.