CHAPTER 55

Generating MPLS Reports

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

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 the "Monitoring" chapter in the *Cisco IP Solution Center Infrastructure Reference, 6.0*. The rest of this chapter provides information about the MPLS reports available in ISC.

Accessing MPLS Reports

To access MPLS reports, perform the following steps.

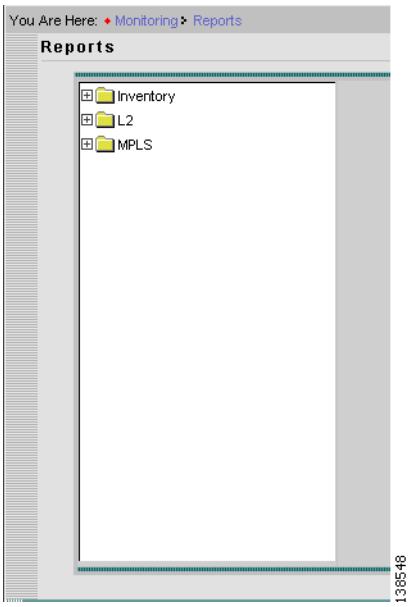
Step 1 Log in to ISC.

Step 2 Go to: **Monitoring > Reports**.

Step 3 Click on the MPLS folder to display the available MPLS reports.

The Reports window appears, as shown in Figure 55-1.

Figure 55-1 Reports List



Step 4 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.

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, page 55-6, for information on custom reports.

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.

In the current release of ISC, the reports GUI supports output in tabular format. The output is listed in columns, which are derived form 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.

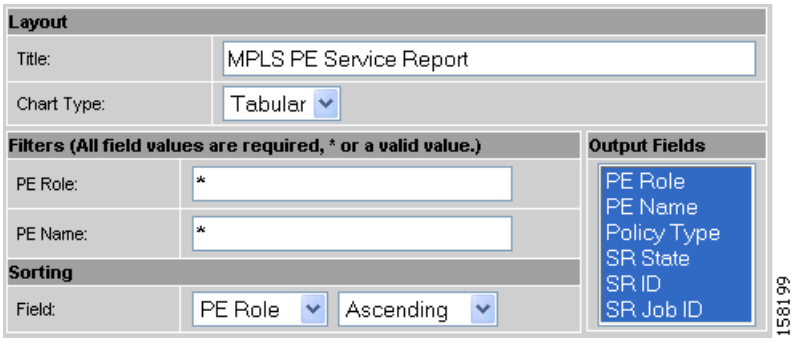
The column heading with a triangle icon is the output that the records are sorted by. By clicking on any column heading, you can toggle between and ascending and descend sort order. To sort on another output value, click on the heading for that value.

MPLS PE Service Report

The MPLS PE 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 55-2.

Figure 55-2 MPLS PE Service Report



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 Service Request States, page 47-13).

Note The **SR State** output does not list service requests in the **CLOSED** state. Service requests in other states are listed, as determined by the filter values.

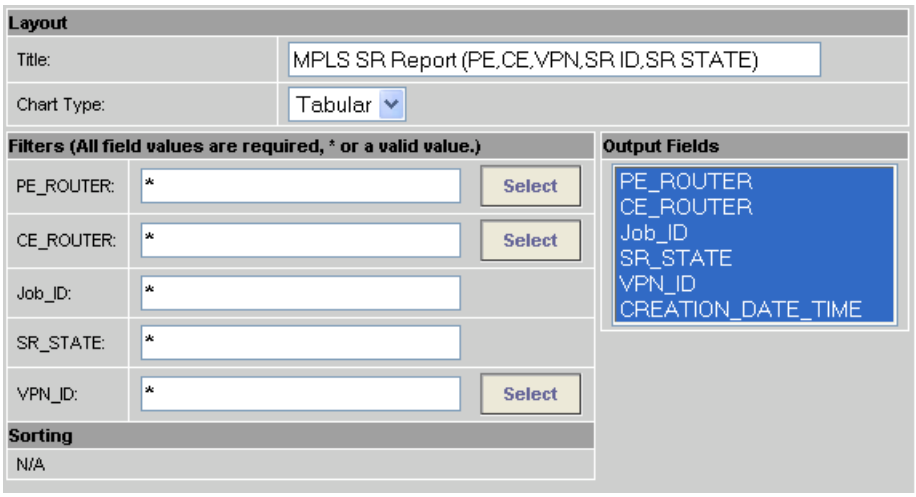
- **SR ID**—List by service request ID.
- **SR Job ID**—List by service request job ID.

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 55-3.

Figure 55-3 MPLS Service Request Report



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 Service Request States, page 47-13).
- **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.
- **SR STATE**—Service request states (see Service Request States, page 47-13).

Note The **SR State** output does not list service requests in the **CLOSED** state. Service requests in other states are listed, as determined by the filter values.

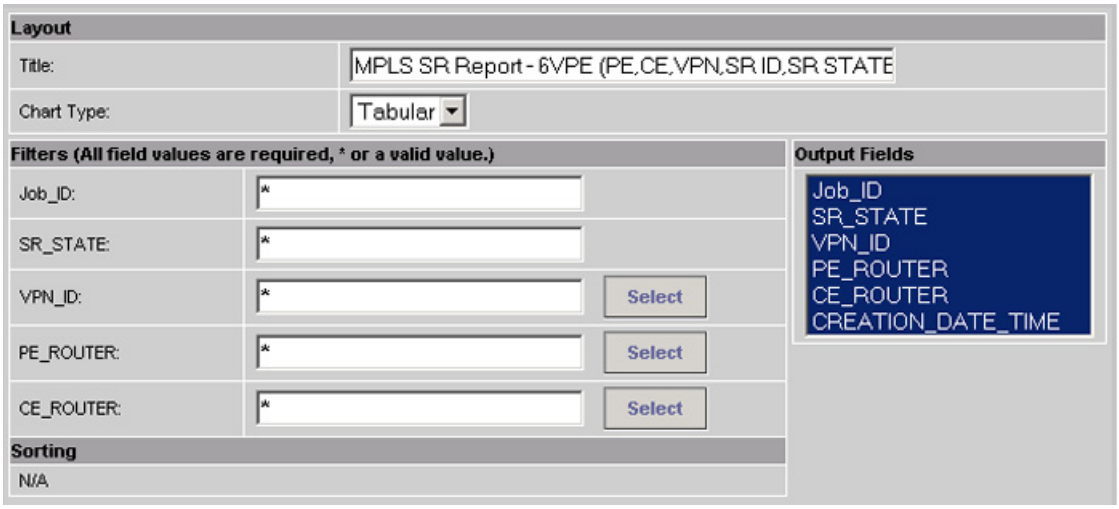
- **VPN ID**—List by VPN ID.
- **CREATION DATE TIME**—List by date and time report created.

MPLS Service Request Report - 6VPE

The MPLS Service Request - 6VPE report feature allows you to list service requests as related to PE, CE, VPN, SR ID, SR STATE.

Click the MPLS Service Request Report - 6VPE icon to bring up the window for this report, as shown in Figure 55-3.

Figure 55-4 MPLS Service Request Report - 6VPE



Filter Values

- **Job ID**—Service request job IDs.
- **SR STATE**—Service request states (see Service Request States, page 47-13).
- **VPN ID**—Choose some or all (*) VPNs by ID.
- **PE ROUTER**—Choose some or all (*) PE routers.
- **CE ROUTER**—Choose some or all (*) CE routers.

Output Filters

- **Job ID**—List by Job ID.
- **SR STATE**—Service request states (see Service Request States, page 47-13).

Note The **SR State** output does not list service requests in the **CLOSED** state. Service requests in other states are listed, as determined by the filter values.

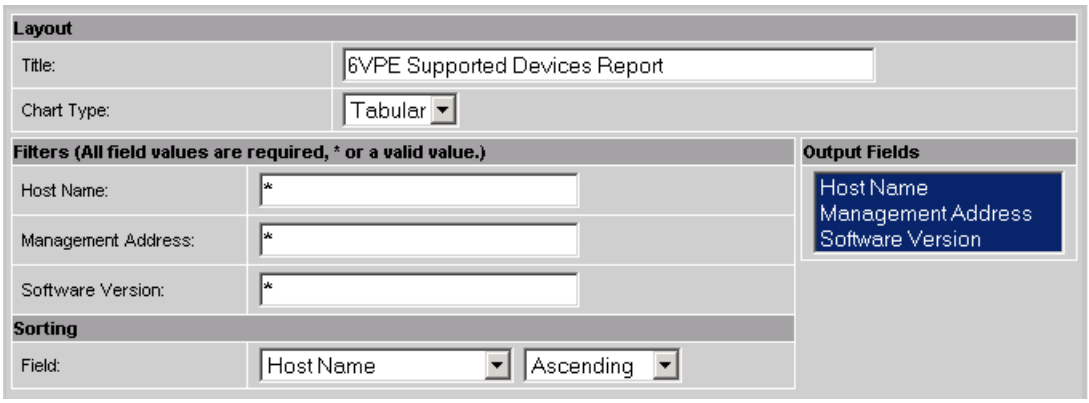
- **VPN ID**—List by VPN ID.
- **PE ROUTER**—Show PE routers.
- **CE ROUTER**—Show CE routers.
- **CREATION DATE TIME**—List by date and time report created.

6VPE Supported Devices Report

Note In the ISC GUI, this report is located under **Monitoring > Reports > Inventory**.

Click the 6VPE Supported Devices Report icon to bring up the window for this report, as shown in Figure 55-3.

Figure 55-5 6VPE Supported Devices Report



Filter Values

- **Host Name**—Hostname.
- **Management Address**—Management address.
- **Software Version**—Software version.

Output Filters

- **Host Name**—Hostname.
- **Management Address**—Management address.
- **Software Version**—Software version.

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 the *Cisco IP Solution Center Infrastructure Reference, 6.0* for details on how to modify report configuration files to create custom reports.