

Chapter 30

Configuring Traffic Redirection with the C-Web Interface

This chapter describes how to use the C-Web interface to configure the redirect server for a C-series Controller. You can also use the following to configure the redirect server for a C-series Controller:

- To use the SRC CLI interface, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 15, Configuring Traffic Redirection with the SRC CLI*.
- To use the Solaris platform, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 16, Configuring Traffic Redirection on a Solaris Platform*.

Topics in this chapter include:

- Before You Configure the Redirect Server on a C-series Controller on page 332
- Configuring the Redirect Server with the C-Web Interface on page 332
- Configuring General Properties for the Redirect Server with the C-Web Interface on page 333
- Configuring a Connection Between the Redirect Server and the Directory with the C-Web Interface on page 334
- Defining Traffic to Transmit to the Redirect Server with the C-Web Interface on page 334
- Changing the Number of Requests That the Redirect Server Accepts with the C-Web Interface on page 335
- Specifying Extensions for Files That the Redirect Server Accepts with the C-Web Interface on page 335
- Configuring the DNS Server for the Redirect Server with the C-Web Interface on page 336
- Configuring the Redirect Server to Support HTTP Proxies with the C-Web Interface on page 336
- Configuring a Redundant Redirect Server with the C-Web Interface on page 337

- Configuring Logging for the Redirect Server on page 337
- Changing the Configuration for the Redirect Server on page 337
- Assessing Load for Redirect Server with the C-Web Interface on page 338

For information about the redirect server, including information about what you should do before using the redirect server, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 14, Redirecting Subscriber Traffic*.

For information about monitoring the redirect server, see *SRC-PE Monitoring and Troubleshooting Guide, Chapter 21, Monitoring Redirect Server with the SRC CLI*.

Before You Configure the Redirect Server on a C-series Controller

Before you configure the redirect server on a C-series Controller:

- Configure policies on a B-RAS to define which traffic to send to the redirect server; typically, a next-hop policy specifies a destination address that is the virtual IP address of the active redirect server.
- If you plan to configure a redundant redirect server, make sure that you are familiar with the network configuration required.

See *SRC-PE Subscribers and Subscriptions Guide, Chapter 14, Redirecting Subscriber Traffic*.

Configuring the Redirect Server with the C-Web Interface

Configure the redirect server on a C-series Controller to manage IP layer redirection.

To configure the redirect server:

1. Configure general properties for the redirect server.

See *Configuring General Properties for the Redirect Server with the C-Web Interface* on page 333.

2. Configure a connection from the redirect server to the directory.

See *Configuring a Connection Between the Redirect Server and the Directory with the C-Web Interface* on page 334.

3. (Optional) Define traffic to be forwarded to the redirect server. In most cases you can accept the default values—traffic destined for port 80 (Web requests) and forwarded from all interface on a C-series Controller.

See *Defining Traffic to Transmit to the Redirect Server with the C-Web Interface* on page 334.

4. (Optional) Configure the number of requests that the redirect server accepts.

See *Changing the Number of Requests That the Redirect Server Accepts with the C-Web Interface* on page 335.

5. (Optional) Configure the types of files for which the redirect server accepts requests.

See *Specifying Extensions for Files That the Redirect Server Accepts with the C-Web Interface* on page 335.

6. (Optional) For a configuration to support HTTP proxies, configure DNS. You can configure the DNS server included with the redirect server, or another DNS server on your network. If you use another DNS server, you do not need to configure the DNS server included with the redirect server.

For information about configuring the DNS server included with the redirect server, see *Configuring the DNS Server for the Redirect Server with the C-Web Interface* on page 336.

7. (Optional) Configure support for HTTP proxies.

See *Configuring the Redirect Server to Support HTTP Proxies with the C-Web Interface* on page 336.

8. (Optional) Configure a redundant redirect server.

See *Configuring a Redundant Redirect Server with the C-Web Interface* on page 337.

Configuring General Properties for the Redirect Server with the C-Web Interface

To configure general properties for the redirect server:

1. Click **Configure > Redirect Server**.

The Redirect Server pane appears.

2. Enter information as described in the Help text in the main pane, and click **Apply**.

Configuring a Connection Between the Redirect Server and the Directory with the C-Web Interface

To configure a connection between the redirect server and the directory:

1. Click **Configure**, expand **Redirect Server**, then click **Ldap**.

The Ldap pane appears.

2. Enter information as described in the Help text in the main pane, and click **Apply** to trigger an automatic commit.

Defining Traffic to Transmit to the Redirect Server with the C-Web Interface

You can define traffic to be forwarded to the redirect server by identifying the destination port number (typically, port 80 for Web requests) for packets and the physical interface on a C-series Controller from which subscriber traffic is forwarded to the redirect server. In most cases you can accept the default values for configuration for IP redirection. If you do not specify an interface, traffic is accepted on all interfaces.

To change the values of the port for traffic and/or the C-series interface on which traffic is forwarded to the redirect server:

1. Click **Configure**, expand **Redirect Server**, and then click **IP Redirect**.

The IP Redirect pane appears.

2. Click the **Create** button.

The IP Redirect pane reappears.

3. Enter the information as described in the Help text in the main pane, and click **Apply**.

Changing the Number of Requests That the Redirect Server Accepts with the C-Web Interface

If you want to change the number of redirection requests that the redirect server accepts, change the values for the request rates and the client rates.

To configure the number of redirection requests that the redirect server can accept:

1. Click **Configure > Redirect Server**.

The Redirect Server pane appears.

2. Change the values in the following boxes as described in the Help text in the main pane:

- Request Rate
- Request Burst Size
- Client Rate
- Client Burst Size

3. Click **Apply**.

Specifying Extensions for Files That the Redirect Server Accepts with the C-Web Interface

If you do not specify the types of files that the redirect server accepts, the redirect server accepts all file types. You can identify file types by specifying the file extensions for the files that the redirect server is to accept.

To specify the extensions for the types of files accepted by the redirect server:

1. Click **Configure > Redirect Server**.

The Redirect Server pane appears.

2. To enable or disable checking file extensions, clear or select the Check File Extensions box as described in the Help Text in the main pane.

3. Click **Apply**.

Configuring the DNS Server for the Redirect Server with the C-Web Interface

A DNS server is required to support HTTP proxies to resolve the name of any HTTP proxy, even if the name is valid only in the private domain of the client. You can use an external DNS or the DNS server that is included with the redirect server for this purpose.



NOTE: If you plan to use an external DNS server, do not follow this procedure.

The following procedure describes how to configure the DNS server that is included with the redirect server.

Proxy support must be enabled before configuring the DNS server. See *Configuring the Redirect Server to Support HTTP Proxies with the C-Web Interface* on page 336.

To configure the DNS server that is included with the redirect server:

1. Click **Configure**, expand **Redirect Server**, and click **DNS**.

The DNS pane appears.

2. Enter information as described in the Help text in the main pane, and click **Apply**.

Configuring the Redirect Server to Support HTTP Proxies with the C-Web Interface

Support for proxy requests is an optional feature of the redirect server. If you configure proxy support, you must also have DNS configured. You can use DNS servers already installed on your network, or use the server included with the SRC software.

For information about configuring the DNS server included with the SRC software, see *Configuring the DNS Server for the Redirect Server with the C-Web Interface* on page 336.

To configure the redirect server to support HTTP proxies:

1. Click **Configure > Redirect Server**.

The Redirect Server pane appears.

2. Clear the Proxy Support checkbox box to disenable HTTP proxy support. Select the checkbox to enable HTTP proxy support. Refer to the information in the Help text in the main pane.
3. In the Destination Url box, type the URL sent as a response to proxy requests.
4. Click **Apply**.

Configuring a Redundant Redirect Server with the C-Web Interface

Although configuration of a redundant redirect server is optional, we recommend that you configure redundancy to maintain high availability for the server.

To configure redundancy for the redirect server:

1. Click **Configure > Redirect Server**.

The Redirect Server pane appears.

2. To enable or disable redundancy for the redirect server, clear (or select) the Redundancy checkbox as described in the Help text in the main pane.

Configuring Logging for the Redirect Server

The redirect server logs incoming HTTP requests through system logging with a priority of Info and log facility of Local7.

Changing the Configuration for the Redirect Server

When you change the configuration for the redirect server and commit that configuration, the redirect server is automatically restarted.

Assessing Load for Redirect Server with the C-Web Interface

You can view the number of requests sent to the redirect server, and whether the requests reach the configured limit for the server and for server users. You can then use this information to fine-tune the properties for redirect server.

To view statistics for redirect server:

1. Click **Monitor > Redirect Server > Statistics**.

The Redirect Server Statistics pane appears.

2. From the Output Style list, select an output style as described in the Help text in the main pane.
3. Click **OK**. The Redirect Server pane displays the following statistics:
 - Uptime
 - Accepted requests
 - Rejected requests
 - Number of user-limit leaky buckets
 - Number of user limits reached
 - Number of global limits reached

You can also obtain statistics for redirect server through SNMP. The name of the MIB for redirect server is Juniper-SDX-REDIRECTOR-MIB.