

## Chapter 4

# Configuring a C-series Controller

This chapter describes how to configure a C-series Controller. Topics include:

- Before You Begin Configuring the SRC Software on a C-series Controller on page 43
- Configuring the SRC Software on page 44

### Before You Begin Configuring the SRC Software on a C-series Controller

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Before you begin configuring the SRC software on a C-series Controller, be sure that:

- You are familiar with how to use the SRC CLI.
  - Initial system setup and configuration have been completed, including configuration for:
    - C-series Controller hostname
    - Initial configuration for the Juniper Networks database and the database enabled on the system



**NOTE:** The Juniper Networks database must be running before you start configuring the SRC software.

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- Domain name system
- Eth0 interface
- An administrative account that has superuser privileges



**CAUTION:** Although `root` access is used for initial configuration of a C-series Controller, user accounts are used to enter commands and statements at the CLI.

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- Telnet and or SSH access

## Related Topics

- *C-series Hardware Guide*
- *SRC-PE CLI User Guide*

## Configuring the SRC Software

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To configure the SRC software on a C-series Controller:

1. Review the configuration by running the `show configuration` command in operation mode.

```
user@host> show configuration
system {
  host-name my-host;
  domain-search [ mylab.jnpr.net junpr.net juniper.net ];
  name-server [ 192.0.20.10 192.0.20.30 ];
  time-zone America/New_York;
  services {
    telnet;
    ssh {
      root-login allow;
    }
  }
  ...
```

Make any updates needed to the initial configuration.

2. If the password for the `root` user was not changed from the default value, change it now.

```
root@host> set cli password
```

Do not use the `root` account for normal operation.

3. If the time zone is not set to the time zone where the system resides, set the time zone.

See *Chapter 14, Configuring System Time on C-Series Controllers with the SRC CLI*.

4. Configure NTP.

See *Chapter 14, Configuring System Time on C-Series Controllers with the SRC CLI*.

5. Complete the configuration of the Juniper Networks database, and load sample data.

See *Chapter 20, Managing the Juniper Networks Database with the SRC CLI*.

If the Juniper Networks database is configured to run in community mode, the `admin` account already exists.

6. Configure remote access to other interfaces.

See *Chapter 7, Configuring Remote Access to a C-series Controller with the SRC CLI*.

7. Configure static routes to networks that contain devices to be managed by the SRC software.

See *Chapter 7, Configuring Remote Access to a C-series Controller with the SRC CLI*.

8. (Optional) Configure other external access to the C-series Controller and secure communications to remote hosts.

See *Chapter 7, Configuring Remote Access to a C-series Controller with the SRC CLI*.

9. (Optional) Configure the system log server.

See *Chapter 17, Configuring System Logging for a C-series Controller with the SRC CLI*.

10. (Optional) Configure user accounts.

See *Chapter 19, Configuring User Access*.

11. Configure SRC components.

See *Configuring SRC Components on page 45*.

## **Configuring SRC Components**

After you create the basic SRC configuration, you can configure other SRC components and establish configurations for service providers and enterprises.

To configure SRC components in a deployment on C-series Controllers:

1. If your configuration includes a RADIUS server, start it.

See *SRC-PE Integration Guide* for information about starting RADIUS servers.

2. Configure SAE local properties.

See *Chapter 21, Setting Up an SAE with the SRC CLI*.

3. Obtain your SRC software license.

See *Chapter 8, Overview of SRC Licenses*.

4. Install the license, and start the license server if you have a server license.

See *Chapter 10, Installing Licenses for C-series Controllers*.

5. (Optional) Configure and start the SNMP agent.  
See *Chapter 28, Configuring and Starting the SNMP Agent with the SRC CLI*.
6. Start the SAE.  
See *Chapter 21, Setting Up an SAE with the SRC CLI*.
7. If you use firewall software on your internal network, review firewall access for SRC components.  
See *Chapter 34, Defining an Initial Configuration on a Solaris Platform*.
8. Configure other SRC components.

Table 7 lists the principle SRC components that you can configure and names the document that provides information about configuring the components, typically from the CLI. To get information about using the C-Web interface to configure components, see the *SRC-PE C-Web Interface Configuration Guide*.

**Table 7: Configuration Information for Other SRC Components**

Component	Document
SRC-ACP	<i>SRC-PE Network Guide, Chapter 21, Configuring Admission Control with the SRC CLI</i>
JPS	<i>SRC-PE Solutions Guide, Chapter 10, Configuring the JPS with the SRC CLI</i>
C-Web interface	<i>Chapter 6, Accessing and Using the C-Web Interface</i>
Network information collector (NIC)	<i>SRC-PE Network Guide, Chapter 10, Configuring NIC with the SRC CLI</i>
Policies	<i>SRC-PE Services and Policies Guide, Chapter 10, Configuring and Managing Policies with the SRC CLI</i>
Redirect server	<i>SRC-PE Subscribers and Subscriptions Guide, Chapter 15, Configuring Traffic Redirection with the SRC CLI</i>
SAE	<i>SRC-PE Network Guide, Chapter 2, Configuring the SAE with the SRC CLI</i>
SAE access to external database that stores subscriber data	<i>SRC-PE Network Guide, Chapter 2, Configuring the SAE with the SRC CLI</i>
Services	<i>SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI</i>
Subscribers and subscriptions	<i>SRC-PE Subscribers and Subscriptions Guide, Chapter 12, Configuring Subscribers and Subscriptions with the SRC CLI</i>
Enterprise Service Portals	<i>SRC-PE Subscribers and Subscriptions Guide, Chapter 22, Installing and Configuring Enterprise Service Portals</i>