Chapter 3

Managing SAE Data with the SRC CLI

This chapter describes how to use the CLI to manage the SAE on a Solaris platform or on the C-series Controller.

You can also use the C-Web interface to manage the SAE. See *Managing SAE Data with the C-Web Interface* on page 37.

Topics include:

- Commands to Manage SAE on page 31
- Reloading the SAE Data on page 32
- Updating Memory Usage on page 33
- Removing the Directory Blacklist on page 33
- Removing Login Registrations on page 34
- Removing Equipment Registrations on page 34
- Modifying Failover Server Parameters on page 35
- Shutting Down the Device Drivers on page 36

Commands to Manage SAE

You can use the following operational mode commands to manage SAE data:

- clear sae directory-blacklist
- clear sae registered equipment
- clear sae registered login
- request sae java-garbage-collection
- request sae load configuration
- request sae load domain-map
- request sae load interface-classification

- request sae load services
- request sae load subscriptions
- request sae modify device failover
- request sae shutdown device
- show sae directory-blacklist
- show sae drivers
- show sae registered equipment
- show sae registered login

For detailed information about each command, see the *SRC CLI Command Reference*.

Reloading the SAE Data

You can reload specified configuration components. You can reload the SAE server's current configuration for:

- SAE configuration
- Services
- Subscriptions
- Interface classifiers
  - Domain map

To view configuration information, see *SRC-PE Monitoring and Troubleshooting Guide, Chapter 15, Monitoring SAE Data with the SRC CLI*.

Reloading the SAE Configuration

To reload the SAE configuration data from the directory:

user@host> **request sae load configuration**

The new configuration takes effect immediately.

Reloading Services

To reload the services, scopes, virtual routers, policies, service mutex groups, and service schedules from the directory:

user@host> **request sae load services**

Related service sessions are activated, deactivated, or reactivated as needed.

Reloading Subscriptions

To reload all subscriptions from the directory:

user@host> **request sae load subscriptions**

Related service sessions are activated, deactivated, or reactivated as needed.

Reloading Interface Classification Scripts

To reload the interface classification scripts from the directory, and apply the result of the interface classification changes to the router:

user@host> **request sae load interface-classification**

Reloading Domain Maps

To reload the mapping of domain names to retailer entries:

user@host> **request sae load domain-map**

This mapping is made available to the SAE's subscriber classification script.

Updating Memory Usage

To ensure that changes are updated, run Java Virtual Machine (JVM) garbage collection. This process frees memory and results in more accurate Heap in Use statistics.

user@host> **request sae java-garbage-collection**

Removing the Directory Blacklist

To remove the directory blacklist:

1. Issue the show sae directory-blacklist command to view information about the directory blacklist.

2. Issue the clear sae directory-blacklist command to remove the directory blacklist.

Removing Login Registrations

You can delete all login registrations, or you can delete a specific registration. For information about login registrations, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 4, Configuring Subscriber–Related Properties on the SAE with the SRC CLI*.

To remove login registrations:

1. Issue the show sae registered login command to view the login registrations.
2. Issue the clear sae registered login command to remove all login registrations.
   - To remove a specific registration, use the mac-address option and specify the media access control (MAC) address for the registration.

     user@host> **clear sae registered login mac-address** *mac-address*
   - To specify that no confirmation is requested before the software deletes the registration entries, use the force option.

     user@host> **clear sae registered login force**
     user@host> **clear sae registered login mac-address** *mac-address* **force**

Removing Equipment Registrations

You can delete all equipment registrations, or you can delete a specific registration. The demonstration residential portal included with the SRC Application Library provides an example of how to use equipment registration.

To remove equipment registrations:

1. Issue the show sae registered equipment command to view the equipment registrations.
2. Issue the clear sae registered equipment command to remove all equipment registrations.
   - To remove a specific registration, use the mac-address option and specify the media access control (MAC) address for the registration.

     user@host> **clear sae registered equipment mac-address** *mac-address*
   - To specify that no confirmation is requested before the software deletes the registration entries, use the force option.

     user@host> **clear sae registered equipment force**
     user@host> **clear sae registered equipment mac-address** *mac-address* **force**

Modifying Failover Server Parameters

To modify failover server parameters:

1. Issue the show sae drivers brief command to view the router or device instances.

2. Issue the request sae modify device failover virtual-router-name *virtual-router-name* command to modify failover server parameters.

   - (Optional) To modify the IP address of an alternate SAE server to which a router can reconnect when this driver closes its connection, use the ip-address option. This option is not applicable to the PCMM device driver.

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **ip-address** *ip-address*

   - (Optional) To modify the port of an alternate SAE server to which a router can reconnect when this driver closes its connection, use the tcp-port option. This option is not applicable to the PCMM device driver.

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **tcp-port** *tcp-port*

   - (Optional) To specify whether the device driver sends its own failover IP address and port to the router when it closes its connection, use the use-failover-server option. This option is not applicable to the PCMM device driver.

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **use-failover-server**

   - (Optional) To specify that no confirmation is requested before the software modifies the parameters, use the force option.

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **force**

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **ip-address** *ip-address* **force**

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **tcp-port** *tcp-port* **force**

     user@host> **request sae modify device failover virtual-router-name** *virtual-router-name* **use-failover-server force**

Shutting Down the Device Drivers

To shut down the specified router or device instance:

1. Issue the show sae drivers brief command to view the router or device instances.

2. Issue the request sae shutdown device command to shut down all device drivers.

   - To shut down specific drivers managing a virtual router, use the filter option and specify all or part of the name of the virtual router.

     user@host> **request sae shutdown device filter** *filter*

   - To specify that no confirmation is requested before the software shuts down the device drivers, use the force option.

     user@host> **request sae shutdown device force**
     user@host> **request sae shutdown device filter** *filter* **force**