

Chapter 6

Configuring a Simulated Router Driver for Testing with the SRC CLI

This chapter describes how to configure a simulated router driver with the SRC CLI.

To use the C-Web interface, see *Chapter 7, Configuring a Simulated Router Driver for Testing with the C-Web Interface*. For information about setting up SAE groups, see *SRC-PE Getting Started Guide, Chapter 21, Setting Up an SAE with the SRC CLI*.

Topics in this chapter include:

- Overview of Simulated Router Drivers on page 27
- Configuring Simulated Router Drivers on page 27

Overview of Simulated Router Drivers

Simulated router drivers allow you to create subscriber sessions without connecting to a router. You can then use the simulated subscriber sessions to test SAE applications.

The SRC software has a default simulated router driver instance called `default@simJunos`.

Configuring Simulated Router Drivers

You configure a simulated router in the same way that you configure a real router.

Before you configure a simulated router driver:

- Make sure that you configure an interface classification script for the simulated router.

See *SRC-PE Subscribers and Subscriptions Guide, Chapter 6, Classifying Interfaces and Subscribers with the SRC CLI*.

- Configure the SAE to instantiate a simulated router driver for each simulated router that you create.

- (Optional) Configure a session store for a simulated router driver. The driver uses the session store to store subscriber sessions, service sessions, and policies.

See *SRC-PE Network Guide, Chapter 2, Configuring the SAE with the SRC CLI*.

Use the following configuration statements to configure simulated router drivers:

```
shared sae configuration driver simulated name {
    driver-type (junos | junose | pcmm);
    router-version router-version;
    driver-address driver-address;
    transport-router transport-router;
}
```

To configure simulated router drivers:

1. From configuration mode, access the configuration statement that configures simulated router drivers. In this sample procedure, west-region is the name of the SAE group, and default@simjunos is the name of the simulated router driver.

```
[edit]
user@host# edit shared sae group west-region configuration driver simulated
default@simJunos
```

2. Configure the type of device that the simulated driver simulates.

```
[edit shared sae group west-region configuration driver simulated
default@simJunos]
user@host# set driver-type (junos | junose | pcmm)
```

3. (Optional) Configure the version of the router software to simulate. This is the software version that is sent by the router.

```
[edit shared sae group west-region configuration driver simulated
default@simJunos]
user@host# set router-version router-version
```

4. Configure the IP address of the device driver.

```
[edit shared sae group west-region configuration driver simulated
default@simJunos]
user@host# set driver-address driver-address
```

5. (Optional) Configure the name of a virtual router that is used to connect to the SAE. This value is passed to the router initialization script. It is not supported on the JUNOS routing platform.

```
[edit shared sae group west-region configuration driver simulated
default@simJunos]
user@host# set transport-router transport-router
```

6. (Optional) Verify the configuration of the simulated driver.

```
[edit shared sae group west-region configuration driver simulated  
default@simJunos]  
user@host# show  
driver-type junos;  
router-version 8.4;  
driver-address 10.10.90.5;
```

