

Chapter 6

Configuring a Simulated Router Driver for Testing with SDX Configuration Editor

This chapter describes how to configure a simulated router driver with SDX Configuration Editor. You can also use the SRC CLI that runs on Solaris platforms and the C-series platform to configure simulated router drivers. See *Chapter 5, Configuring a Simulated Router Driver for Testing with the SRC CLI*. Topics in this chapter include:

- Overview of Simulated Router Drivers on page 33
- Configuring Simulated Router Drivers on page 33

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 directory 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 7, Classifying Interfaces and Subscribers on a Solaris Platform*.

- 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 3, Configuring the SAE with SDX Configuration Editor*.

To use SDX Configuration Editor to create simulated router driver instances:

1. In the navigation pane, select an SAE configuration file for a POP.
2. Select the **Router** tab, and expand the Simulated Driver section.
3. In the Simulated Driver section next to the Create a New Instance of button, select **Driver**, and click **Create a New Instance of**.

The Create New Instance dialog box appears.

4. Assign a name to the instance, and click **OK**.

The new instance appears in the Simulated Driver area.

5. In the section for the new simulated router driver, edit or accept the default values for the fields.

See *Simulated Driver Fields* on page 35.

6. Select **File > Save**.
7. Right-click the configuration file, and select **SDX System Configuration > Export to LDAP Directory**.

Simulated Driver Fields

In SDX Configuration Editor, you can modify the following fields in the Simulated Driver section of the Router pane in an SAE configuration file.

Driver Type

- Type of device that the simulated driver simulates.
- Value—JUNOS, JUNOSe, or PCMM
- Default—JUNOS
- Property name—Router.sim. < simulated router name > .type

Router Version

- Version of the router to simulate.
- Value—Software version that is sent by the router; for example, 6.4
- Default—No value
- Property name—Router.sim. < simulated router name > .version

Router Address

- Address of the router that is available for router initialization scripts.
- Value—IP address
- Default—10.0.0.1
- Property name—Router.sim. < simulated router name > .routerIp

Transport Router

- 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.
- Value—Name of a virtual router
- Default—No value
- Property name—Router.sim. < simulated router name > .transportRouter

