

Chapter 3

Configuring a Simulated Router Driver for Testing

This chapter describes how to configure a simulated router driver. The chapters contains the following sections:

- Overview of Simulated Router Drivers on page 15
- Configuring Simulated Router Drivers on page 15

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 SDX 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 *SDX Subscribers and Subscriptions Guide, Chapter 4, Classifying Interfaces and Subscribers*.

You also need to configure the SAE to instantiate a simulated router driver for each simulated router that you create.

You can configure a session store for simulated router drivers. The driver uses the session store to store subscriber sessions, service sessions, and policies.

For a description of session store fields, see *SDX Network Guide: SAE, Juniper Networks Routers, and NIC, Chapter 2, Configuring the SAE*.

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 16.

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

