Configuring SCU on a Virtual Loopback Tunnel Interface

To configure source class usage on the virtual loopback tunnel interface, perform the tasks described in the following sections:

- Example: Configuring a Virtual Loopback Tunnel Interface on a Provider Edge Router Equipped with a Tunnel PIC on page 1
- Example: Mapping the VRF Instance Type to the Virtual Loopback Tunnel Interface on page 1
- Example: Sending Traffic Received from the Virtual Loopback Interface Out the Source Class Output Interface on page 2

Example: Configuring a Virtual Loopback Tunnel Interface on a Provider Edge Router Equipped with a Tunnel PIC

Define a virtual loop interface on a provider edge router with a Tunnel PIC:

```
[edit interfaces]
vt-0/3/0 {
   unit 0 {
      family inet {
         accounting {
            source-class-usage {
               input;
            }
         }
      }
   }
}
```

Example: Mapping the VRF Instance Type to the Virtual Loopback Tunnel Interface

Map the VRF instance type to the virtual loopback tunnel interface:

```
[edit]
routing-instances {
   VPN-A {
      instance-type vrf;
      interface at-2/1/1.0;
      interface vt-0/3/0.0;
      route-distinguisher 10.255.14.225:100;
      vrf-import import-policy-name;
      vrf-export export-policy-name;
      protocols {
         bgp {
            group to-r4 {
               local-address 10.27.253.1;
               peer-as 400;
               neighbor 10.27.253.2;
            }
         }
      }
```

```
    }
}
```

NOTE: For SCU and DCU to work, do not include the vrf-table-label statement at the [edit routing-instances *instance-name*] hierarchy level.

Example: Sending Traffic Received from the Virtual Loopback Interface Out the Source Class Output Interface

Send traffic received from the virtual loopback tunnel interface out of the source class output interface:

```
[edit interfaces]
at-1/1/0 {
    unit 0 {
        family inet {
            accounting {
                source-class-usage {
                    output;
                }
            }
        }
    }
}
```

For more information about configuring source class usage on the virtual loopback tunnel interface, see the *JUNOS Network Interfaces Configuration Guide*.

Related Topics

- Understanding Source Class Usage and Destination Class Usage Options
- Configuring SCU or DCU
- Configuring Class Usage Profiles
- Configuring the MIB Profile
- Configuring the Routing Engine Profile

Published: 2010-04-27