

Adding Virtual Routers Individually

Use the following configuration statements to add a virtual router:

```
shared network device name virtual-router name {
  sae-connection [ sae-connection ...];
  snmp-read-community snmp-read-community ;
  snmp-write-community snmp-write-community ;
  scope [ scope ...];
  local-address-pools local-address-pools ;
  static-address-pools static-address-pools ;
  tracking-plug-in [ tracking-plug-in ...];
}
```

To add a virtual router:

1. From configuration mode, access the configuration statements for virtual routers. You must specify the name of a device with lowercase characters. This procedure uses `junose_boston` as the name of the router and `vr1` as the name of the virtual router.

```
user@host# edit shared network device junose_boston virtual-router vr1
```

2. Specify the addresses of SAEs that can manage this router. This step is required for the SAE to work with the router.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set sae-connection [ sae-connection ...]
```

To specify the active SAE and the redundant SAE, enter an exclamation point (!) after the hostname or IP address of the connected SAE. For example:

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set sae-connection [sae1! sae2!]
```

3. (Optional) Specify an SNMP community name for SNMP read-only operations for this VR.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set snmp-read-community snmp-read-community
```

4. (Optional) Specify an SNMP community name for SNMP write operations for this virtual router.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set snmp-write-community snmp-write-community
```

5. (Optional) Specify service scopes assigned to this virtual router. The scopes are available for subscribers connected to this virtual router for selecting customized versions of services.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set scope [ scope ...]
```

6. (Optional) Specify the list of IP address pools that a JUNOS virtual router currently manages and stores.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set local-address-pools local-address-pools
```

7. (Optional) Specify the list of IP address pools that a JUNOS VR manages but does not store.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# set static-address-pools static-address-pools
```

8. (Optional) Specify the plug-ins that track interfaces that the SAE manages on this virtual router.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# tracking-plugin [ tracking-plugin ...]
```

9. (Optional) Verify your configuration.

```
[edit shared network device junose_boston virtual-router vr1]
user@host# show
sae-connection 192.168.10.25;
  snmp-read-community *****;
  snmp-write-community *****;
  scope POP-Boston;
local-address-pools "(10.25.8.0 10.25.20.255)";
static-address-pools "({10.30.30.0/24,10.30.30.0,10.30.30.255})";
tracking-plugin flexRadius;
```

- Related Topics**
- Configuring the SAE to Manage JUNOS Routers with the CLI
 - Specifying Router Initialization Scripts on the SAE with the CLI
 - Configuring Service Scopes (SRC CLI)
 - Types of Tracking Plug-Ins
 - Overview of Classification Scripts