

Adding Virtual Router Objects

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 ...];  
    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 sample procedure uses `proxy_device` as the name of the router object. For third-party devices, use the name default for the virtual router.

```
user@host# edit shared network device proxy_device virtual-router default
```

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 proxy_device virtual-router default]  
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 proxy_device virtual-router default]  
user@host# set sae-connection [sae1! sae2!]
```

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

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

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

```
[edit shared network device proxy_device virtual-router default]
user@host# set tracking-plug-in [ tracking-plug-in ...]
```

7. (Optional) Verify your configuration.

```
[edit shared network device proxy_device virtual-router default]
user@host# show
sae-connection 10.8.221.45;
snmp-read-community *****;
snmp-write-community *****;
scope POP-Toronto;
tracking-plug-in flexRadius;
```