

## Configuring RADIUS Server Options for Subscriber Access

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You can configure a variety of options used by the RADIUS authentication and accounting servers.

To configure RADIUS authentication and accounting server options:

1. Specify that you want to configure RADIUS.

```
[edit access profile isp-bos-metro-fiber-basic]
user@host# edit radius
```

2. Specify that you want to configure RADIUS options.

```
[edit access profile isp-bos-metro-fiber-basic radius]
user@host# edit options
```

3. (Optional) Configure the format the router uses to identify the accounting session. You can specify either **decimal** or **description**. The router uses **decimal** format by default.

```
[edit access profile isp-bos-metro-fiber-basic radius options]
user@host# set accounting-session-id-format decimal
```

4. (Optional) Configure the router to use a port type of **virtual** to authenticate clients. The port type is passed in RADIUS attribute 61 (NAS-Port-Type). By default, the router passes a port type of **ethernet** in RADIUS attribute 61.

```
[edit access profile isp-bos-metro-fiber-basic radius options]
user@host# set ethernet-port-type-virtual
```

5. (Optional) Specify the information that is included in or omitted from the interface description that the router passes to RADIUS for inclusion in RADIUS attribute 87 (NAS-Port-Id). By default, the router includes both the **subinterface** and the **adapter** in the interface description.

```
[edit access profile isp-bos-metro-fiber-basic radius options]
user@host# set interface-description-format adapter
```

6. (Optional) Configure the value for the client RADIUS attribute 32 (NAS-Identifier), which is used for authentication and accounting requests. You can specify a string in the range 1 to 64 characters.

```
[edit access profile isp-bos-metro-fiber-basic radius options]
user@host# set nas-identifier 56
```

7. (Optional) Configure the RADIUS client to use the extended format for RADIUS attribute 5 (NAS-Port) and specify one of the following options for the width of the fields in the NAS-Port attribute:

- **adapter-width** *width*—Number of bits in the adapter field.
- **port-width** *width*—Number of bits in the port field.

- slot-width *width*—Number of bits in the slot field.
- stacked-vlan-width *width*—Number of bits in the SVLAN ID field.
- vlan-width *width*—Number of bits in the VLAN ID field.

[edit access profile isp-bos-metro-fiber-basic radius options]  
 user@host# **set nas-port-extended-format 16**

8. (Optional) Configure the number of seconds that the router waits after a server has become unreachable. The router rechecks the connection to the server when the revert-interval expires. If the server is then reachable, it is used in accordance with the order of the server list.

[edit access profile isp-bos-metro-fiber-basic radius options]  
 user@host# **set revert-interval port-width 1200**

9. (Optional) Specify that RADIUS attribute 5 (NAS-Port) includes the S-VLAN ID, in addition to the VLAN ID, for subscribers on Ethernet interfaces.

[edit access profile isp-bos-metro-fiber-basic radius options]  
 user@host# **set vlan-nas-port-stacked-format**

#### Related Topics

- Configuring Router Interaction with RADIUS Servers
- Configuring Authentication and Accounting Parameters for Subscriber Access
- Example: Configuring RADIUS-Based Subscriber Authentication and Accounting