

Router Interaction with RADIUS Servers Overview

To identify the RADIUS servers that the router can use and to configure how the router interacts with the servers, you include the **radius-server** statement at the [edit access] hierarchy level. You can specify multiple RADIUS servers on the network.

```
[edit access]
radius-server server-address {
  accounting-port port-number;
  port port-number;
  retry attempts;
  secret password;
  source-address source-address;
  timeout seconds;
}
```

The following list describes the **radius-server** configuration statements:

- **server-address**—The address of the RADIUS server to use. To configure more than one RADIUS server, include multiple **server-address** entries.
- **accounting-port**—The RADIUS server accounting port number. The default accounting port number is 1813.
- **port-number**—The port number used to contact the RADIUS server. The default is port number 1812.
- **retry**—The number of times that the router attempts to contact a RADIUS accounting server. You can configure the router to retry from 1 through 16 times. The default setting is 3 retry attempts.
- **secret**—The required secret (password) that the local router passes to the RADIUS client. Secrets can contain spaces.
- **source-address**—A source address for the RADIUS server. Each RADIUS request sent to a RADIUS server uses the specified source address. The source address is a valid IPv4 address configured on one of the router interfaces.
- **timeout**—The length of time that the local router waits to receive a response from a RADIUS server. By default, the router waits 3 seconds. You can configure the timeout to be from 1 through 90 seconds.

