# Volume metering

A volume metering feature is an access point data reporting capability that

- allows you to set the interval for client accounting statistics updates from the access point (AP) to the network controller,
- supports configurable reporting frequencies from five to 90 seconds, and
- helps minimize delays in updating usage data for connected devices.

### Additional information

By default, the access point sends client accounting updates to the controller every 90 seconds, which then forwards this information to the RADIUS server. With volume metering features, you can adjust the reporting interval from five seconds to 90 seconds.

This flexibility enables network administrators to better control the timeliness of usage data, ensuring more immediate reporting and improved network accounting accuracy.

### Example

If you want to decrease the delay in receiving accounting data for a device, you can configure the reporting interval to 10 seconds so that the access point sends updates to the controller—and subsequently to the RADIUS server—much more frequently than the default 90 seconds.

This supports more accurate, real-time accounting of network usage.


- Configure volume metering (CLI), on page 1


# Configure volume metering (CLI)

Configure device parameters to control how often the system reports wireless usage data and sends accounting updates to the Remote Authentication Dial-In User Service (RADIUS) server.

### Procedure

**Step 1** Enter global configuration mode.

**Example:**

```
Device# configure terminal
```

**Step 2** Configure an access point (AP) profile and enter AP profile configuration mode.

**Example:**

```
Device(config)# ap profile profile-name
```

**Step 3** Configure the 2.4 GHz (802.11ax) reporting interval.

**Example:**

```
Device(config-ap-profile)# dot11 24ghz reporting-interval reporting-interval
```

**Step 4** Configure the 5 GHz (802.11ax) reporting interval.

**Example:**

```
Device(config-ap-profile)# dot11 5ghz reporting-interval reporting-interval
```

**Step 5** Return to global configuration mode.

**Example:**

```
Device(config-ap-profile)# exit
```

**Step 6** Set the time interval (in minutes) at which the controller sends interim accounting updates for the client to the RADIUS server.

**Example:**

```
Device(config)# aaa accounting update periodic interval-in-minutes
```

**Step 7** Exit configuration mode and return to privileged EXEC mode.

**Example:**

```
Device(config)# exit
```

---

The device reports volume metering data at your specified intervals and sends accounting updates to the RADIUS server.