



# RADIUS Accounting

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## Information About RADIUS Accounting of AP Events

This topic describes the configuration of a RADIUS server to monitor a network with regards to Access Points (APs). Prior to Cisco IOS XE Amsterdam 17.1.1 release, during times of network issues, the controller would not send accounting messages when APs join and disjoin from the controller. From Cisco IOS XE Amsterdam 17.1.1 release onwards, the RADIUS server keeps a record of all the APs that were down and have come up.

## Configuring Accounting Method-List for an AP Profile

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b> Device#configure terminal	Enters global configuration mode.
<b>Step 2</b>	<b>ap profile</b> <i>ap-profile-name</i> <b>Example:</b> Device(config)# ap profile <i>ap-profile-name</i>	Configures the AP profile. The default AP join profile name is <i>default-ap-profile</i> .
<b>Step 3</b>	<b>[no] accounting method-list</b> <i>method-list-name</i> <b>Example:</b> Device(config-ap-profile)# [no] accounting method-list <i>method-list-name</i>	Configures the accounting method list for the AP profile.  Use the <b>no</b> form of this command to disable the command.

## Verifying the AP Accounting Information

To verify the AP accounting information, use the following command:

```
Device#show wireless stats ap accounting
Base MAC          Total packet Send   Total packet Received Methodlist
-----
00b0.e192.0f20    4           3           abc
38ed.18cc.5788    8           8           ML_M
70ea.1ae0.af08    0           0           ML_A
```

To view the details of a method list that is configured for an AP profile, use the following command:

```
Device#show ap profile name Method-list detailed
AP Profile Name      : test-profile
Description          :
.
.
.
Method-list name     : Method-list
Packet Sequence Jump DELBA : ENABLED
Lag status           : DISABLED
.
Client RSSI Statistics
  Reporting           : ENABLED
  Reporting Interval  : 30 seconds
```

## AAA Accounting

### Configuring AAA Accounting Using Default Method List (CLI)

#### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b>  <b>Example:</b> Device# configure terminal	Enters global configuration mode.
<b>Step 2</b>	<b>aaa accounting commands <i>privilege_level</i> default start-stop group <i>group-name</i></b>  <b>Example:</b> Device(config)# aaa accounting commands 15 default start-stop group group-name	Creates an accounting method list and enables accounting. <ul style="list-style-type: none"> <li>• <i>privilege_level</i>: AAA accounting level. The valid range is from 0 to 15.</li> <li>• <i>group-name</i>: AAA accounting group that supports only TACACS+ group.</li> </ul>
<b>Step 3</b>	<b>end</b>  <b>Example:</b> Device(config)# end	Returns to privileged EXEC mode.

## Configuring HTTP Command Accounting Using Named Method List (CLI)

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b> Device# configure terminal	Enters global configuration mode.
<b>Step 2</b>	<b>ip http accounting commands level</b> <i>named-accounting-method-list</i> <b>Example:</b> Device(config)# ip http accounting commands 1 oneacct	Configures HTTP command accounting using the named method list. <ul style="list-style-type: none"> <li>• <i>level</i>: Privilege value from 0 to 15. By default, the following command privilege levels are available on the controller:               <ul style="list-style-type: none"> <li>• <i>0</i>: Includes the <b>disable</b>, <b>enable</b>, <b>exit</b>, <b>help</b>, and <b>logout</b> commands.</li> <li>• <i>1</i>: Includes all the user-level commands at the controller prompt (&gt;).</li> <li>• <i>15</i>: Includes all the enable-level commands at the controller prompt (&gt;).</li> </ul> </li> <li>• <i>named-accounting-method-list</i>: Name of the predefined command accounting method list.</li> </ul>
<b>Step 3</b>	<b>end</b> <b>Example:</b> Device(config)# end	Returns to privileged EXEC mode.

