



CUI Information in RADIUS Accounting

- [CUI Information in RADIUS Accounting Request, on page 1](#)
- [Adding CUI Information in a RADIUS Accounting Request, on page 2](#)
- [Verifying CUI Information in a RADIUS Accounting Request, on page 2](#)

CUI Information in RADIUS Accounting Request

Chargeable User Identity (CUI) is a unique identifier for a client visiting a network regardless of the outer identity or the device used for login. In other words, CUI is an obscured version of a username. A client must be authenticated and authorized before being allowed to the network. The CUI attribute can be used as an alternative for a client's username as part of the authentication process.

To handle RADIUS attribute 89 processing, a null value of CUI is attached an access-request sent to a AAA server. This is done using the **access-session wireless cui-enable** command. As part of an access-accept message, a CUI-capable AAA server sends the CUI string to the controller. The controller then sends this received CUI attribute in accounting packets and other access-request packets, if any.

Prerequisites

Ensure that AAA override is enabled.

Restrictions

- Only 802.1x network authentication protocol is supported.
- Inter-Release Controller Mobility (IRCM) is not supported.
- FlexConnect local authentication is not supported. Only local mode and FlexConnect central authentication mode is supported.

Adding CUI Information in a RADIUS Accounting Request

Procedure

	Command or Action	Purpose
Step 1	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 2	access-session wireless cui-enable Example: Device(config)# access-session wireless cui-enable	Adds CUI attribute in authentication and accounting messages sent to the AAA server.

Verifying CUI Information in a RADIUS Accounting Request

To view the CUI attribute in an accounting request on a AAA server, use the following command:

```
Device# show wireless client mac-address aaa.bbb.ccc.ddd detail
.
.
.
Session Manager:
  Point of Attachment : capwap_90000005
  IIF ID               : 0x90000005
  Authorized           : TRUE
  Session timeout      : 1800
  Common Session ID: 8A45400A00000000CE0527C5F
  Acct Session ID     : 0x00000003
  Last Tried Aaa Server Details:
    Server IP : 10.64.69.141
  Auth Method Status List
    Method : Dot1x
             SM State       : AUTHENTICATED
             SM Bend State  : IDLE
  Local Policies:
    Service Template : wlan_svc_default-policy-profile_local (priority 254)
    VLAN              : 59
    Absolute-Timer    : 1800
  Server Policies:
    CUI               : 13e158006855c2ff718cc84487653f5a6ea55def
  Resultant Policies:
    CUI               : 13e158006855c2ff718cc84487653f5a6ea55def
    VLAN Name         : VLAN0059
    VLAN              : 59
    Absolute-Timer    : 1800
```