

## Configure RADIUS on WLC:

From WLC GUI, click **Security**. From the menu on the left, click **RADIUS > Authentication**. The RADIUS Authentication servers page appears. To add a new RADIUS Server, click **New**.

The screenshot shows the Cisco WLC GUI. The top navigation bar includes links for MONITOR, WLANs, CONTROLLER, WIRELESS, SECURITY, MANAGEMENT, COMMANDS, HELP, and FEEDBACK. The left sidebar shows the 'Security' menu with 'RADIUS' expanded and 'Authentication' selected. The main content area is titled 'RADIUS Authentication Servers' and contains several configuration fields: 'Auth Called Station ID Type' (set to AP MAC Address:SSID), 'Use AES Key Wrap' (unchecked), 'MAC Delimiter' (set to Hyphen), and 'Framed MTU' (set to 1300). At the bottom, there is a table with columns: Network User, Management, Tunnel Proxy, Server Index, Server Address(Ipv4/Ipv6), Port, IPsec, and Admin Status. A red arrow points to the 'New...' button in the top right corner.

In the **RADIUS Authentication Servers > New** page, enter the parameters specific to the RADIUS server. Check Management radio button in order to allow the RADIUS Server to authenticate users who login to the WLC. In Server IP Address (Ipv4/Ipv6) type Cisco ISE IP 192.168.100.210

The screenshot shows the 'RADIUS Authentication Servers > New' configuration page. The left sidebar is the same as the previous screenshot. The main content area contains the following fields: 'Server Index (Priority)' (set to 1), 'Server IP Address(Ipv4/Ipv6)' (set to 192.168.100.210), 'Shared Secret Format' (set to ASCII), 'Shared Secret' (masked with dots), 'Confirm Shared Secret' (masked with dots), 'Apply Cisco ISE Default settings' (unchecked), 'Key Wrap' (unchecked), 'Port Number' (set to 1812), 'Server Status' (set to Enabled), 'Support for CoA' (set to Enabled), 'Server Timeout' (set to 5 seconds), 'Network User' (checked), 'Management' (checked), 'Management Retransmit Timeout' (set to 5 seconds), 'Tunnel Proxy' (unchecked), and 'IPsec' (unchecked). A red arrow points to the 'Apply' button in the top right corner.

## RADIUS Authentication Servers

Auth Called Station ID Type

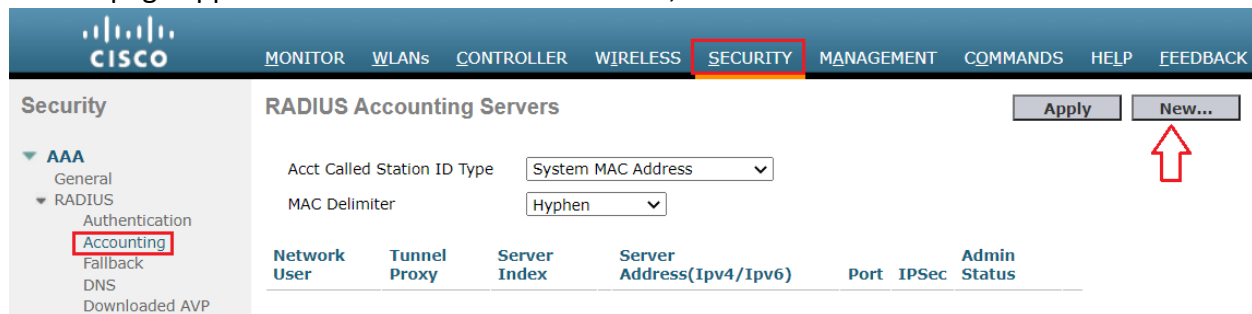
Use AES Key Wrap ☐ (Designed for FIPS customers and requires a key wrap compliant RADIUS server)

MAC Delimiter

Framed MTU

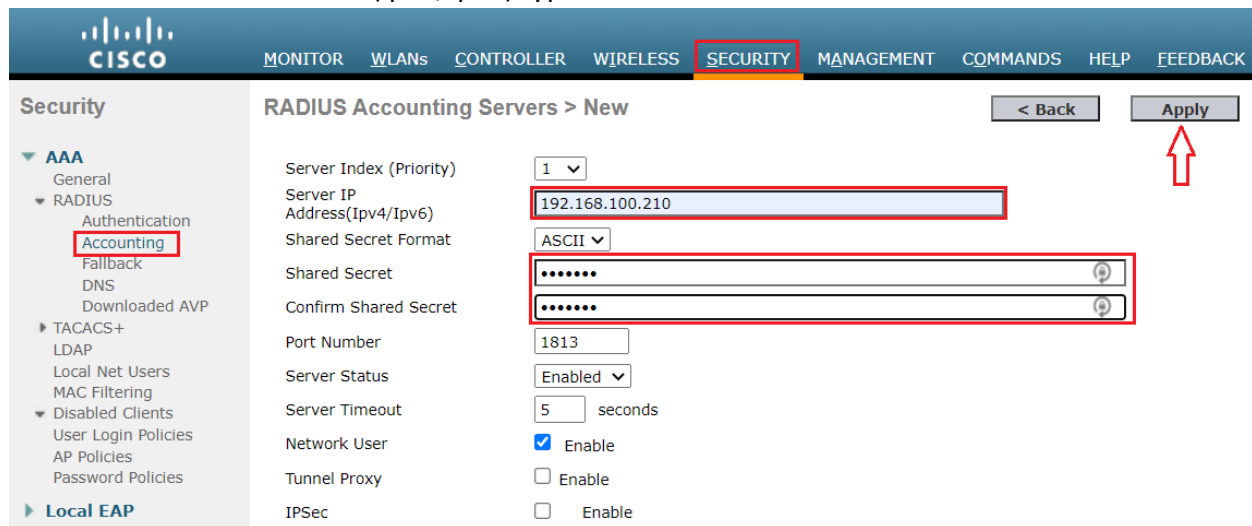
Network User	Management	Tunnel Proxy	Server Index	Server Address(Ipv4/Ipv6)	Port	IPSec	Admin Status
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u> *	192.168.100.210	1812	Disabled	Enabled

Configure RADIUS Accounting Go to **Security -> RADIUS -> Accounting**. The RADIUS Accounting servers page appears. To add a new RADIUS Server, click **New**.



The screenshot shows the Cisco IOS Security configuration page. The left sidebar has a tree view with 'Security' expanded, and 'RADIUS' > 'Accounting' selected. The main area is titled 'RADIUS Accounting Servers'. It contains configuration fields for 'Acct Called Station ID Type' (set to 'System MAC Address') and 'MAC Delimiter' (set to 'Hyphen'). Below these is a table with columns: Network User, Tunnel Proxy, Server Index, Server Address(Ipv4/Ipv6), Port, IPSec, and Admin Status. The table is currently empty. At the top right of the main area are 'Apply' and 'New...' buttons. A red arrow points to the 'New...' button.

In the **RADIUS Accounting Servers > New** page, enter the parameters specific to the RADIUS server. In Server IP Address (Ipv4/Ipv6) type Cisco ISE IP **192.168.100.210**



The screenshot shows the 'RADIUS Accounting Servers > New' configuration page. The left sidebar is the same as the previous page. The main area contains fields for: 'Server Index (Priority)' (1), 'Server IP Address(Ipv4/Ipv6)' (192.168.100.210), 'Shared Secret Format' (ASCII), 'Shared Secret' (masked with dots), 'Confirm Shared Secret' (masked with dots), 'Port Number' (1813), 'Server Status' (Enabled), 'Server Timeout' (5 seconds), 'Network User' (checked 'Enable'), 'Tunnel Proxy' (unchecked 'Enable'), and 'IPSec' (unchecked 'Enable'). At the top right are '< Back' and 'Apply' buttons. A red arrow points to the 'Apply' button.

## RADIUS Accounting Servers

Acct Called Station ID Type

MAC Delimiter

Network User	Tunnel Proxy	Server Index	Server Address(Ipv4/Ipv6)		Port	IPSec	Admin Status
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	*	192.168.100.210	1813	Disabled	Enabled