

Products & Services

# **External Web Authentication Using a RADIUS Server**

# Document ID: 112134

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## Introduction

This document explains how to perform external web authentication using an external RADIUS Server.

# **Prerequisites**

#### Requirements

Ensure that you meet these requirements before you attempt this configuration:

- · Basic knowledge of the configuration of Lightweight Access Points (LAPs) and Cisco WLCs
- · Knowledge of how to set up and configure an external web server
- · Knowledge of how to configure Cisco Secure ACS

## **Components Used**

The information in this document is based on these software and hardware versions:

- Wireless LAN Controller that runs Firmware version 5.0.148.0
- Cisco 1232 series LAP
- Cisco 802.11a/b/g Wireless Client Adapter 3.6.0.61
- · External web server that hosts the web authentication login page
- Cisco Secure ACS version that runs firmware version 4.1.1.24



# **Related Documents**

• EAP-FAST Authentication with Wireless LAN Controllers and External RADIUS Server Configuration Example

IPsec Between a VPN 3000
Concentrator and a VPN Client 4.x
for Windows using RADIUS for
User Authentication and
Accounting Configuration Example

• Web Authentication Using LDAP on Wireless LAN Controllers (WLCs) Configuration Example

<u>Cisco Router as a Remote VPN</u>
 <u>Server using SDM Configuration</u>
 <u>Example</u>

 PIX/ASA as a Remote VPN Server with Extended Authentication using CLI and ASDM Configuration Example

### More...

### Related Products/Technology

<u>Cisco Airespace 4000 Wireless</u>
 LAN Controller

<u>Cisco 4402 Wireless LAN</u>
 <u>Controller</u>

• <u>Cisco Catalyst 3750G Integrated</u> <u>Wireless LAN Controller</u>

<u>Cisco 5500 Series Wireless</u>
 <u>Controllers</u>

<u>Cisco Airespace 3504 Wireless</u>
 <u>LAN Controller</u>

#### More...

<u>Cisco 4404 Wireless LAN</u>
 <u>Controller</u>

#### **Related Discussion**

- <u>Web Authentication Using</u>
   <u>External...</u>
- <u>Web Authentication using</u>
   <u>RADIUS</u>
- <u>WebVPN using External</u> <u>Authentication</u>
- <u>ACS 4.2 Authenticating using</u>
   <u>Radius...</u>
- debug radius authentication

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

# **Network Diagram**

This document uses this network setup:



.....

These are the IP addresses used in this document:

- WLC uses the IP address 10.77.244.206
- LAP is registered to WLC with IP address 10.77.244.199
- Web Server uses the IP address 10.77.244.210
- Cisco ACS server uses the IP address 10.77.244.196
- Client receives an IP address from the Management Interface that is mapped to the WLAN 10.77.244.208

# Conventions

Refer to the Cisco Technical Tips Conventions for more information on document conventions.

# **External Web Authentication**

Web Authentication is a Layer 3 authentication mechanism used to authenticate guest users for internet access. Users authenticated using this process will not be able to access the Internet until they successfully complete the authentication process. For complete information on the external web authentication process, read the section <u>External Web Authentication Process</u> of the document <u>External Web Authentication with Wireless LAN</u> <u>Controllers Configuration Example</u>.

In this document, we look at a configuration example, in which the external web authentication is performed using an external RADIUS server.

# **Configure the WLC**

In this document, we assume that the WLC is already configured and has a LAP registered to the WLC. This document further assumes that the WLC

is configured for basic operation and that the LAPs are registered to the WLC. If you are a new user trying to set up the WLC for basic operation with LAPs, refer to Lightweight AP (LAP) Registration to a Wireless LAN Controller (WLC). To view the LAPs that are registered to the WLC, navigate to Wireless > All APs.

Once the WLC is configured for basic operation and has one or more LAPs registered to it, you can configure the WLC for external web authentication using an external web server. In our example, we are using a Cisco Secure ACS version 4.1.1.24 as the RADIUS server. First, we will configure the WLC for this RADIUS server, and then we will look the configuration required on the Cisco Secure ACS for this setup.

# Configure the WLC for Cisco Secure ACS

Perform these steps in order to add the RADIUS server on the WLC:

- 1. From the WLC GUI, click the SECURITY menu.
- 2. Under AAA menu, navigate to the Radius > Authentication submenu.
- 3. Click New, and enter the IP address of the RADIUS server. In this example, the IP address of the server is 10.77.244.196.
- 4. Enter the Shared Secret in the WLC. The Shared Secret should be configured the same on the WLC.
- 5. Choose either ASCII or Hex for Shared Secret Format. The same format needs to be chosen on the WLC.
- 6. 1812 is the Port Number used for RADIUS authentication.
- 7. Ensure that the Server Status option is set to Enabled.
- 8. Check the Network User Enable box to authenticate the network users.
- 9. Click Apply.

cisco	MONITOR WLANS C	ONTROLLER	WIRELESS	SECURITY	MANAGEMENT	COMMANDS	HELP
Security	RADIUS Authenticat	tion Servers	s > New		(Mary Sector Sector Sector Sector)		
<ul> <li>AAA</li> <li>General</li> <li>RADIUS</li> <li>Authentication</li> <li>Accounting</li> </ul>	Server Index (Priority Server IPAddress	y) 2 10.7	7.244.196				
Fallback TACACS+ LDAP Local Net Users	Shared Secret Forma Shared Secret	ASC	••				j
MAC Filtering Disabled Clients User Login Policies AP Policies	Confirm Shared Secret	••••	••				]
▶ Local EAP	Key Wrap		(Designed for I	FIPS customer	s and requires a k	ey wrap complia	nt RADIUS server)
<ul> <li>Priority Order</li> <li>Access Control Lists</li> </ul>	Port Number	1812					
Wireless Protection     Policies	Server Status	Enat	bled 💌				
▶ Web Auth	Support for RFC 3576	Enat	v belc				
Advanced	Server Timeout	2	seconds				
	Network User		nable				
	Management		nable				
	IPSec		Enable				

### Configure the WLAN on WLC for Web Authentication

The next step is to configure the WLAN for web authentication on WLC. Perform these steps in order to configure the WLAN on WLC:

- 1. Click the WLANs menu from the controller GUI, and choose New.
- 2. Choose WLAN for Type.
- 3. Enter a Profile Name and a WLAN SSID of your choice, and click Apply.

**Note:** The WLAN SSID is case sensitive.

WLANS WLANS		ONTROLLER	WIRELESS	SECURITY	MANAGEMENT
	> New				
WLANS Type		WLAN	*		
Advanced     Profile	lame	WLAN1			
WLAN S	SID	WLAN1			

4. Under the General tab, make sure that the Enabled option is checked for both Status and Broadcast SSID.

#### WLAN Configuration



- 5. Choose an interface for the WLAN. Typically, an interface configured in a unique VLAN is mapped to the WLAN so that the client receives an IP address in that VLAN. In this example, we use *management* for Interface.
- 6. Choose the Security tab.
- 7. Under the Layer 2 menu, choose None for Layer 2 Security.
- 8. Under the Layer 3 menu, choose None for Layer 3 Security. Check the Web Policy checkbox, and choose Authentication.

uluilu cisco	MONITOR WLANS CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP
WLANS WLANS WLANS Hadvanced	WLANs > Edit         General       Security       Qos       Advanced         Layer 2       Layer 3       AAA Servers         Layer 3       Security       None       Image: Security         Image: Web Policy 2       Image: Security       Image: Security       Image: Security         Image: Web Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Redirect       Image: Security       Image: Security       Image: Security       Image: Security         Image: Meb Policy 2       Image: Security       Image: Security       Image: Security       Image: Security         Image: Security       Image: Security       Image: Security       Image: Security       Image: Security         Image: Security       Image: Security       Image: Security
	Foot Notes I CKIP is not supported by 10xx model APs 2 Web Policy cannot be used in combination with IPsec 3 H-REJP Local Switching in not supported with IPsec, CRANITE authentication 4 When client exclusion is enabled, a Timeout Value of zero means infinity (will require administrative override to reset excluded clients) 5 Client MIP is not active unless WPA2 is configured

9. Under the **AAA servers** menu, for Authentication Server, choose the RADIUS server that was configured on this WLC. Other Menus should remain at default values.

LANs	WLANs > Edit		
WLANS WLANS Advanced	General Security Qos Advanced Layer 2 Layer 3 AAA Servers Select AAA servers below to override use of default servers on this WLAN		
	Radius Servers	LDAP Server	5
	Authentication Servers Accounting Servers	Server 1	None
	C Inabled	Server 2	None
	Server 2 12:10.77.244.386, Port:3812 None V Server 3 None V Local EAP Authentication Enabled Authentication priority order for web-auth user		
	COCAL UP	194	
	Foot Notes		
	2 CHIP is not supported by 20xx model APs 2 Web Yolay cannot be used in combination with IPsec. 3 H-REAP Load Switching is not supported with IPsec, CRANITE authentication 4 When Elevel switching is a pabled, a Trimeout Duble of zero means infinity (will require adm 4 When Elevel switching is not supported by the support of zero means infinity (will require adm 4 when Elevel switching is not supported by the support of zero means infinity (will require adm 4 when Elevel switching is not supported by the support of zero means infinity (will require adm 4 when Elevel support of the support of the support of zero means infinity (will require adm 4 when Elevel support of the support of th	sinistrative overnide to reset e	valuded alients)

# Configure the Web Server Information on WLC

The web server that hosts the Web Authentication page should be configured on the WLC. Perform these steps to configure the web server:

- 1. Click the Security tab. Go to Web Auth > Web Login Page.
- 2. Set the web Authentication Type as External.
- 3. In the Web Server IP Address field, enter the IP address of the server that hosts the Web Authentication page, and click **Add Web Server**. In this example, the IP address is *10.77.244.196*, which appears under External Web Servers.
- 4. Enter the URL for the Web Authentication page (in this example, http://10.77.244.196/login.html) in the URL field.

ll cısco	MON	ITOR	<u>W</u> LANs		LLER	WIRELESS		MANAGEMENT
Security	Web	Log	jin Page					
General	Web	Auti	nenticati	on Type		External	Redirect to ex	ternal server) 🔽
Authentication	URL	http:	//10.77.244	4.196/login.h	tml			
Accounting Fallback TACACS+	Exte	ernal	Web Serv	ers				
LDAP	10.7	7.244	.196		Ren	nove		
Local Net Users MAC Filtering Disabled Clients User Login Policies	Web	Ser	ver IP Ad	dress			]	
AP Policies					1	Add Web Ser	ver	
Local EAP								
Priority Order								
Access Control Lists								
Wireless Protection Policies								
<ul> <li>Web Auth</li> <li>Web Login Page</li> <li>Certificate</li> </ul>								
Advanced								

# **Configure the Cisco Secure ACS**

In this document we assume that Cisco Secure ACS Server is already installed and running on a machine. For more information how to setup Cisco Secure ACS refer to the <u>Configuration Guide for Cisco Secure ACS 4.2</u>.

# **Configure the User Information on Cisco Secure ACS**

Perform these steps in order to configure users on the Cisco Secure ACS:

1. Choose User Setup from the Cisco Secure ACS GUI, enter a username, and click Add/Edit. In this example, the user is user1.

CISCO SYSTEMS	User Setup
addillinaddillina	Select
Setup	
Group   Setup	User: user1
Components	Find Add/Edit
Network Configuration	List users beginning with letter/number:
System Configuration	<u>A B C D E F G H I J K L M</u> N O P Q R S T U V U X Y Z
Configuration	0123456789
Administration Control	List all users
External User Databases	Remove Dynamic Users
Posture Validation	
Network Access	Back to Help
Reports and Activity	
Documentation	

2. By default, PAP is used for authenticating clients. The password for the user is entered under User Setup > Password Authentication > Cisco Secure PAP. Make sure you choose ACS Internal Database for Password Authentication.

un and the second						
ser etup		User: use	r1 (New Us	ser)		
ared Profile		Account Disabled				
etwork onfiguration		Supplemen	tary User Info		?	
ustem onfiguration	Real Name	User1				
nterface onfiguration	Description					
dministration ontrol						
xternal User atabases		Use	r Setup		?	
osture alidation	Password Auth	entication:			_	
abundir Access	CiscoSecu	ire PAP (Also used	for CHAP/MS-CH	Internal Database AP/ARAP, if the Sepa	rate	
ofiles				HEIG IS HUL CHELK	ea.)	
ofiles eports and ctivity	Pass	word	•••••	Held is hot check	ed.)	
ofiles eports and ativity nline acumentation	Pass Confirm Pass	sword sword	•••••	Held is not check	ed.)	
offiles eports and otivity nline ocumentation	Pass Confirm Pass □ Separate (	word word CHAP/MS-CHAP/AR	AP)	ned is not check	eu.)	
otiles eports and otivity nline ocumentation	Pass Confirm Pass C Separate ( Pass	word word CHAP/MS-CHAP/AR word	AP)	Held is not check	ea.)	
offies eports and ativity nline soumentation	Pass Confirm Pass Confirm Pass Confirm Pass	sword sword CHAP/MS-CHAP/AR sword sword	AP)	Held is not check	ed.)	
ofiles eports and ofivity nline cummentation	Pass Confirm Pass C Separate ( Pass Confirm Pass When a token CHAP passwon especially usef	sword CHAP/MS-CHAP/AR sword sword server is used for a d for a token card ful when token card	AP)	upplying a separate authentication. This	is	
eports and clivity aline commentation	Pass Confirm Pass Confirm Pass Confirm Pass When a token CHAP passwor especially usef	sword CHAP/MS-CHAP/AR sword sword server is used for a d for a token cacl ful when token cacl Group to which	AP)	upplying a separate authentication. This gned:	is	

- 3. The user needs to be assigned a group to which the user belongs. Choose the **Default Group**.
- 4. Click Submit.

# Configure the WLC Information on Cisco Secure ACS

Perform these steps in order to configure WLC information on Cisco Secure ACS:

- 1. In the ACS GUI, click the Network Configuration tab, and click Add Entry.
- 2. The Add AAA client screen appears.
- 3. Enter the name of the client. In this example, we use WLC.
- 4. Enter the IP address of the client. The WLC's IP address is 10.77.244.206.
- 5. Enter the Shared Secret key and the key format. This should match the entry made in the WLC's Security menu.
- 6. Choose ASCII for the Key Input Format, which should be the same on the WLC.
- 7. Choose RADIUS (Cisco Airespace) for Authenticate Using in order to set the protocol used between the WLC and the RADIUS Server.
- 8. Click Submit + Apply.

	Add AAA Client
AAA Client Hostname	WLC
AAA Client IP Address	
tion Shared Secret	abc123
RADIUS Key Wrap Key Encryption Key	<u> </u>
Message Authenticator Cod	Ja Key
Key Input Format	@ ASCII C Hexadecimal
Authenticate Using	RADIUS (Cisco Airespace)
ton	+ AAA Client (Record stop in accounting on failure)
Log RADIUS Tunneling P	ackets from this AAA Client
Replace RADIUS Port inf	o with Usemame from this AAA Client
Match Framed-IP-Addre	iss with user IP address for accounting packets from this AAA Client
	Submit Submit + Apply Cancel

# **Client Authentication Process**

# **Client Configuration**

In this example, we use Cisco Aironet Desktop Utility to perform web authentication. Perform these steps in order to configure the Aironet Desktop Utility.

- 1. Open the Aironet Desktop Utility from Start > Cisco Aironet > Aironet Desktop Utility.
- 2. Click on the Profile Management tab.

rent Status Profile Management Diagnostics	
Default	<u>N</u> ew
	Modify
	Remove
	Activate
Details	
Network Type:	Import
Security Mode:	
Network Name 1 (SSID1):	Export
Network Name 2 (SSID2):	Scan
Network Name 3 (SSID3):	
Tanta Calcal Deciliar	Order Profiles

- 3. Choose the **Default** profile, and click **Modify**.
  - a. Click the General tab.
    - a. Configure a Profile Name. In this example, Default is used.
    - b. Configure the SSID under Network Names. In this example, WLAN1 is used.

inte munogenient		<u></u>
eneral Security Advance	4	
Profile Settings		
Profile Name:	Default	
Client Name:	Client1	
Network Names		
SSID1:	WLAN1	
SSID2:		
SSID3:		

Note: The SSID is case sensitive and it should match the WLAN configured on the WLC.

b. Click the Security tab.

Choose None as Security for web authentication.

- Set Security Options			
O WPA/WPA2/CCKM	WPA/WPA2/CCKM EAP Type:	LEAP	~
WPA/WPA2 Passphrase			
O 802.1x	802.1x EAP Type:	LEAP	~
O Pre-Shared Key (Static WEP	)		
None			
Configure	Allow Association to Mi	xed Cells	
Group Poli	sy Delay: 0 🔅 sec		

- c. Click the **Advanced** tab.
  - a. Under the Wireless Mode menu, choose the frequency at which the wireless client communicates with the LAP.
  - b. Under the Transmit Power Level, choose the Power that is configured on the WLC.
  - c. Leave the default value for Power Save Mode.
  - d. Choose Infrastructure as the Network Type.
  - e. Set the 802.11b Preamble as Short & Long for better compatibility.

f. Click OK.

Network Type:	Infrastructure			
	THE GROUP STREET			
802.11b Preamble:	Short & Long ○ Long Only			
eless Mode When Starting	g Ad Hoc Network			
<ul> <li>5 GHz 54 Mbps</li> <li>2.4 GHz 11 Mbps</li> </ul>				
11 Authentication Mode				
Auto 🔍 🔍	loon O Shared			
	802.11b Preamble: eless Mode When Startin 5 GHz 54 Mbps 2.4 GHz 11 Mbps 2.4 GHz 54 Mbps .11 Authentication Mode			

4. Once the Profile is configured on the client software, the client is associated successfully and receives an IP address from the VLAN pool configured for management interface.

### **Client Login Process**

This section explains how client login occurs.

- 1. Open a browser window and enter any URL or IP Address. This brings the web authentication page to the client. If the controller is running any release earlier than 3.0, the user must enter *https://1.1.1.1/login.html* to bring up the web authentication page. A security alert window displays.
- 2. Click Yes in order to proceed.
- 3. When the Login window appears, enter the username and password that is configured on the RADIUS Server. If your login is successful, you will see two browser windows. The larger window indicates successful login, and you can this window to browse the Internet. Use the smaller window in order to log out when your use of the guest network is complete.



# Verify

For a successful web authentication, you need to check if the devices are configured in an appropriate manner. This section explains how to verify the devices used in the process.

#### **Verify ACS**

1. Click User Setup, and then click List All Users on the ACS GUI.

CISCO SYSTEMS	User Setup
	Select
User Setup	
Group Setup	User:
Shared Profile Components	Find Add/Edit
Network Configuration	List users beginning with letter/number:
System Configuration	<u>A B C D E F G H I J K L M</u> <u>N O P Q R S T U V W X Y Z</u>
Configuration	0 1 2 3 4 5 6 7 8 9
Administration Control	List all Users
Databases	Remove Dynamic Users
nome Posture Validation	
Network Access Profiles	Back to Help
Reports and Activity	
Documentation	

Make sure the Status of the User is Enabled and that the Default group is mapped to the user.

er List			
User	Status	Group	Network Access Profile
ucor1	Enabled	Default Group (2 users)	(Default)

2. Click the **Network Configuration** tab, and look in the **AAA Clients** table in order to verify that the WLC is configured as an AAA client.

\ <b>`</b> ~Q	AAA Clients			
AAA Client Hostname	AAA Client IP Address	Authen	ticate Using	
wic1	10.77.244.206	RADIUS (C	isco Airespace)	
ation	Add Entry Search			
aties	AAA Servers			
AAA Server Name	AAA Server IP Address	AA	AAA Server Type	
TS-Web	10.77.244.196 CiscoSecure A			
8	Add Entry Search Proxy Distribution Table			
Character String	AAA Servers	Strip	Accour	
(Default)	TS-Web	No	Local	
	Add Entry Sort Entries			

# Verify WLC

- 1. Click the WLANs menu from the WLC GUI.
  - a. Make sure the WLAN used for web authentication is listed on the page.

- b. Make sure Admin Status for the WLAN is Enabled.
- c. Make sure the Security Policy for the WLAN shows Web-Auth.

 cısco	MONITOR WLANS	Controller Wire	LESS SECURITY	MONAGEMENT COMMANDS	: нецр
WLANS WLANS WLANS Advanced	WLANs Profile Name	Туре	WLAN SSID	Admin Status	Security Policies
	WLANI	WLAN	WLANI	Enabled	Web-Auth

- 2. Click the SECURITY menu from the WLC GUI.
  - a. Make sure Cisco Secure ACS (10.77.244.196) is listed on the page.
  - b. Make sure the Network User box is checked.
  - c. Make sure the Port is 1812 and that the Admin Status is Enabled.

uludu cisco	MONITOR	WLANS C	ONTROLLER	WIRELESS	SECURITY	MANAGEMENT	COMMANDS	нецр
Security	RADIUS	Authenticat	tion Serve	rs				
<ul> <li>▼ AAA</li> <li>General</li> <li>▼ RADIUS</li> <li>Authentication</li> </ul>	Call Stati	ion ID Type Key Wrap	IP Address	ed for FIPS custom	ers and req	uires a key wrap c	ompliant RADIUS	; server)
Fallback FACACS+	Network	Managemen	Server t Index	Server Address	Port	IPSec	Admi	in Status
LDAP Local Net Users			1	10.77.244.196	1812	Disabled	Enabl	ed 🗖
MAC Filtering Disabled Clients User Login Policies AP Policies								
▶ Local EAP								
Priority Order								
Access Control Lists								
Wireless Protection     Policies								
▶ Web Auth								
h Advanced								

## Troubleshoot

There are many reasons why a web authentication is not successful. The document <u>Troubleshooting Web Authentication on a Wireless LAN</u> <u>Controller (WLC)</u> clearly explains those reasons in detail.

#### Troubleshooting Commands

Note: Refer to Important Information on Debug Commands before you use these debug commands.

Telnet into the WLC and issue these commands to troubleshoot authentication:

debug aaa all enable

```
Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Successful transmission of Authentic ation Packet (id 1) to 10.77.244.196:1812, proxy state 00:40:96:ac:dd:05-00:01 Fri Sep 24 13:59:52 2010: 00000000: 01 01 00 73 00 00 00 00 00 00 00 00 00 00 00
Fri Sep 24 13:59:52 2010: 00000010: 00 00 00 00 01 07 75 73 65 72 31 02 12 93 c
3 66 .....user1....f
user1
Fri Sep 24 13:59:52 2010: ****Enter processIncomingMessages: response code=2
Fri Sep 24 13:59:52 2010: ****Enter processRadiusResponse: response code=2
Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Access-Accept received from RADIUS s
erver 10.77.244.196 for mobile 00:40:96:ac:dd:05 receiveId = 0
Fri Sep 24 13:59:52 2010: AuthorizationResponse: 0x12238db0
Fri Sep 24 13:59:52 2010: structureSize.....
                                          Fri Sep 24 13:59:52 2010:
Fri Sep 24 13:59:52 2010:
                                           resultCode.....0
                                          protocolUsed.....0x0
0000001
Fri Sep 24 13:59:52 2010:
40:96:AC:DD:05-00:00
Fri Sep 24 13:59:52 2010:
Fri Sep 24 13:59:52 2010:
Fri Sep 24 13:59:52 2010:
                                          proxyState.....00:
                                           Packet contains 2 AVPs:
                                                AVP[01] Framed-IP-Address.....
 ....0xffffffff (-1) (4 bytes)
Fri Sep 24 13:59:52 2010:
                                                AVP[02] Class.....
```

...CACS:0/5183/a4df4ce/user1 (25 bytes) Fri Sep 24 13:59:52 2010: Authentication failed for user1, Service Type: 0 Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Applying new AAA override for statio n 00:40:96:ac:dd:05 Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Override values for station 00:40:96 :ac:dd:05 source: 48, valid bits: 0x1
qosLevel: -1, dscp: 0xffffffff, dot1pTag: 0xffffffff, sessionTimeout: -1 dataAvgC: -1, rTAvgC: -1, dataBurstC: -1, rTimeBurstC: -1 vlanIfName: '', aclName: Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Unable to apply override policy for station 00:40:96:ac:dd:05 - VapAllowRadiusOverride is FALSE Fri Sep 24 13:59:52 2010: 00:40:96:ac:dd:05 Sending Accounting request (0) for s tation 00:40:96:ac:dd:05 

 Fri Sep 24 13:59:52 2010: AccountingMessage Accounting Start: 0x1500501c

 Fri Sep 24 13:59:52 2010: Packet contains 12 AVPs:

 Fri Sep 24 13:59:52 2010: AVP[01] User-Name......

 AVP[01] User-Name..... 

 Fri Sep 24 13:59:52 2010:
 A

 .....0x0010002 (2) (4 bytes)

 Fri Sep 24 13:59:52 2010:
 A

 .....0x00a4df4ce (172881102) (4 bytes)

 Fri Sep 24 13:59:52 2010:
 A

 .....0x0a4df4ce (172881102) (4 bytes)

 Fri Sep 24 13:59:52 2010:
 A

 .....0x0a4df4ce (172881095) (4 bytes)

 AVP[02] Nas-Port..... AVP[03] Nas-Ip-Address..... AVP[04] Framed-IP-Address.....

#### · debug aaa detail enable

Failed Authentication attempts are listed in the menu located at Reports and Activity > Failed Attempts.

### **Cisco Support Community - Featured Conversations**

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uluilu <mark>cisco</mark>	Discussions Happening Now in The Cisco Support Community
Want to see more	e? Join us by clicking <b>here</b>
Web Authenti	cation Using External spreed 1 Reply 4 years, 5 months ago
Web Authenti	cation using RADIUS smoore6857 2 Replies 11 months, 2 weeks ago
WebVPN usir	g External Authentication dbobeldyk 3 Replies 3 years, 8 months ago
ACS 4.2 Auth	enticating using Radius arnneispeiser 2 Replies 9 months, 2 weeks ago
debug radius	authentication rui.belem 1 Reply 9 months, 4 weeks ago
Guest Wireles https://support 1 Reply 2 years	ss Authentication using rtforums.cisco.com/people/kevin_miller%40hermanmiller.com s, 9 months ago
Radius auther	ntication for privileged love4u.pratik 3 Replies 5 days, 2 hours ago
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