

# Wireless LAN Controller 5760/3850 Web Passthrough Configuration Example



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## Introduction

This document describes how to configure the web passthrough feature on a Wireless LAN Controller (WLC).

## Prerequisites

### Requirements

This document assumes that the initial configurations are already completed on the WLC.

### Components Used

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

- A 5760 WLC that runs Version 3.3 code
- Cisco Aironet 3600 Series Lightweight Access Point
- Microsoft Windows 7 Native Wireless Supplicant

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.

## Web Passthrough on Wireless LAN Controllers

Web passthrough is a solution that is typically used for guest access. The process of web passthrough is similar to that of web authentication, except that no authentication credentials are required for web passthrough.

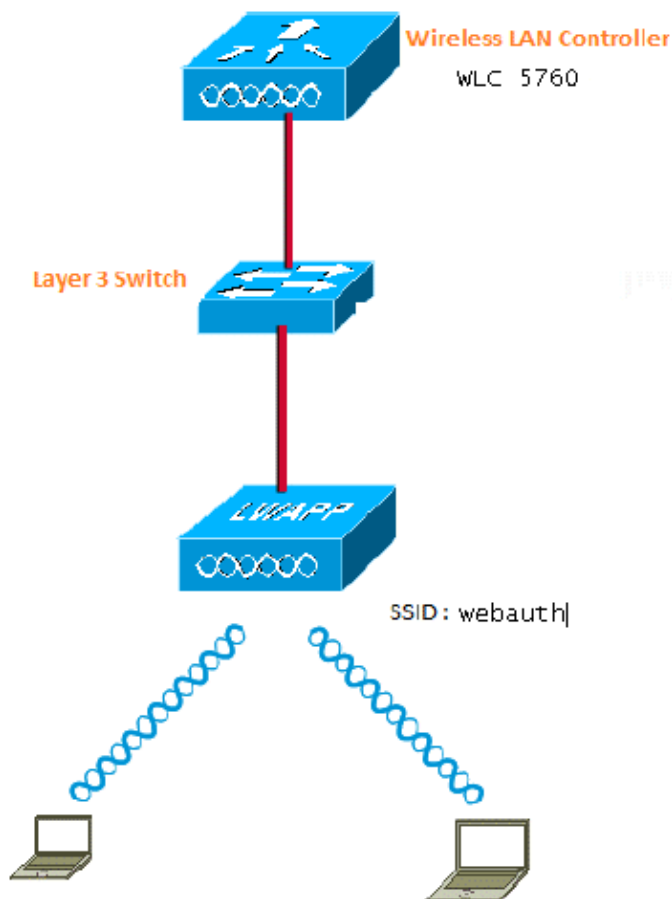
In web passthrough, wireless users are redirected to the usage policy page when they try to use the Internet for the first time. Once the users accept the policy, they can browse the Internet. This redirection to the policy page is handled by the WLC.

In this example, a VLAN interface is created on a separate subnet on the WLC. Then, a separate Wireless LAN (WLAN)/Service Set Identifier (SSID) is created and configured with web passthrough, and it is mapped to this VLAN interface.

*Note:* Web passthrough does not provide any data encryption.

## Configure

Here is the network diagram:



You can complete this configuration with the CLI or the GUI.

### Configuration with the CLI

Configure DHCP snooping for the VLANs that you use for clients. In this example, **VLAN20** is used for clients. The pool is configured on the same WLC.

**TenGigabitEthernet1/0/1** from **WLC 5760** connects to the uplink switch. If you have the DHCP server configured on the server beyond the WLC or on an external DHCP server, then you have to trust DHCP snooping and Relay information.

```
ip device tracking
ip dhcp snooping vlan 12,20,30,40
ip dhcp snooping
!
ip dhcp pool vlan20
 network 20.20.20.0 255.255.255.0
 default-router 20.20.20.1

interface Vlan20
 ip address 20.20.20.1 255.255.255.0

interface TenGigabitEthernet1/0/1
 switchport trunk native vlan 12
 switchport mode trunk
 ip dhcp relay information trusted
 ip dhcp snooping trust

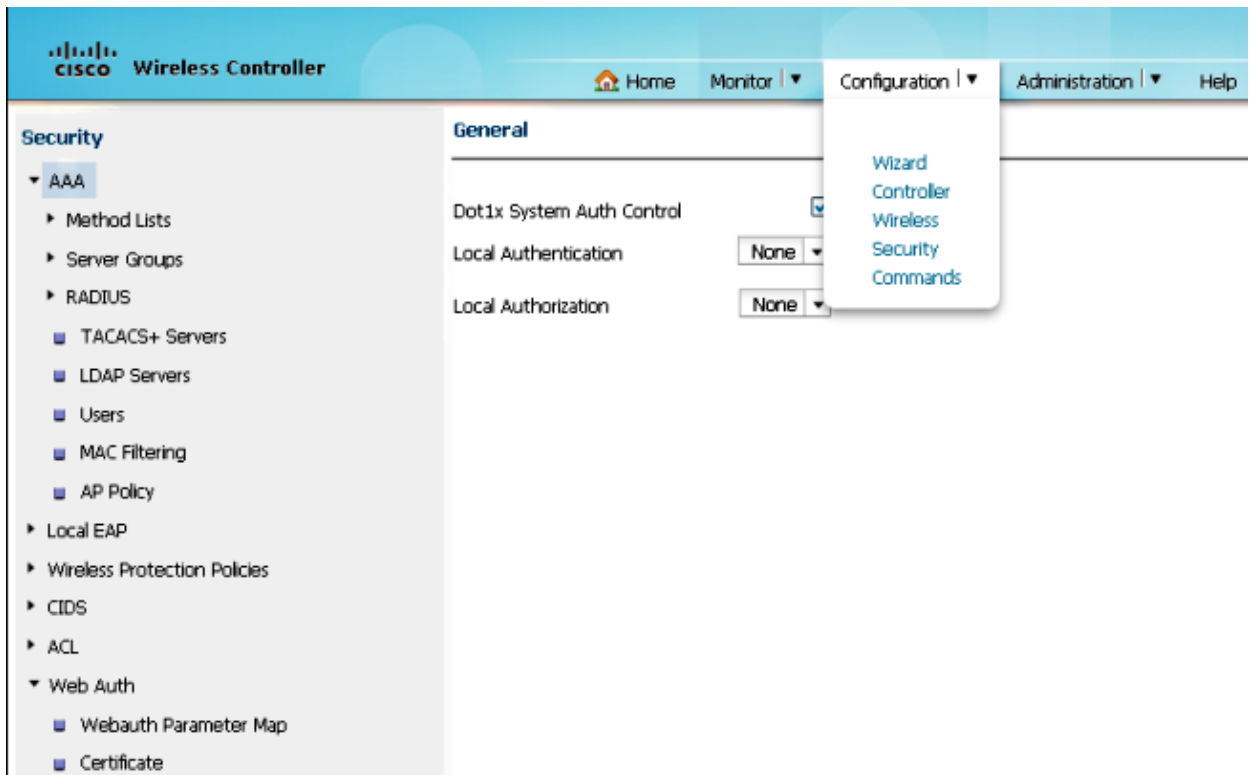
parameter-map type webauth global
 type consent
 virtual-ip ipv4 192.168.200.1
!
!
parameter-map type webauth web
 type consent

wlan Webauth 9 Webauth
 client vlan VLAN0020
 no security wpa
 no security wpa akm dot1x
 no security wpa wpa2
 no security wpa wpa2 ciphers aes
 security web-auth
 security web-auth parameter-map web
 session-timeout 1800
```

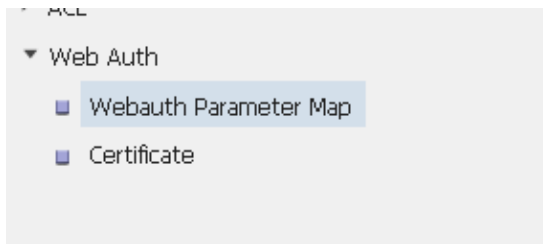
## Configuration with the GUI

Complete these steps in order to configure on the GUI.

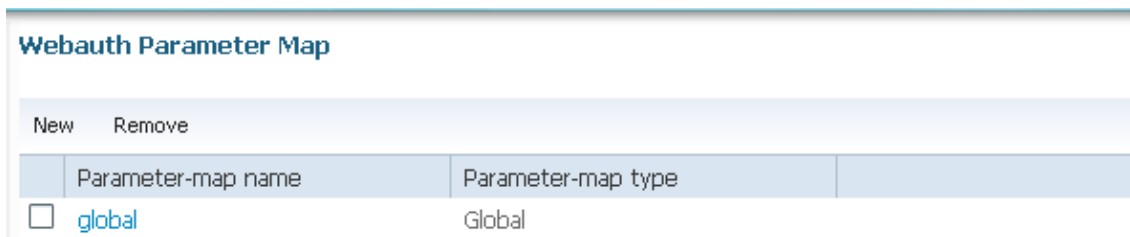
1. From the WLC GUI, navigate to **Configuration > Security:**



2. On the bottom–right of the *Security* page, navigate to *Webauth > Webauth Parameter Map*:



3. Choose *global* for the default parameter map:



4. Navigate to *Webauth Parameter Map > Edit* in order to configure the virtual IP address. It is *192.169.200.1* in this example. Change the Type to *consent*, so that the global parameter becomes *consent* (Web passthrough).

*Note:* It is **not** mandatory to configure the global parameter map to consent.

---

### Webauth Parameter Map

Webauth Parameter Map > [Edit](#)

---

Parameter-map name	global
Banner	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>
Maximum HTTP connections(1-200)	<input type="text" value="30"/>
Timeout (1-65535 in minutes)	<input type="text" value="2"/>
Type	<input type="text" value="consent"/> ▾
Turn-on Consent with Email	<input type="checkbox"/>
Virtual IPv4 Address	<input type="text" value="192.168.200.1"/>
Virtual IPv4 hostname	<input type="text"/>

5. Create the parameter map, and choose *consent* for the Type. This example uses *web* as the Parameter-map name, which is used under the WLAN for the users to access the Consent page.

---

### Webauth Parameter Map

Webauth Parameter Map > [Edit](#)

---

Parameter-map name	web
Banner	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>
Maximum HTTP connections(1-200)	<input type="text" value="30"/>
Timeout (1-65535 in minutes)	<input type="text" value="2"/>
Type	<input type="text" value="consent"/> ▾
Turn-on Consent with Email	<input type="checkbox"/>

Here is a screen capture of the parameter maps on the GUI:

Webauth Parameter Map	
New Remove	
Parameter-map name	Parameter-map type
<input type="checkbox"/> global	Global
<input type="checkbox"/> web	Named

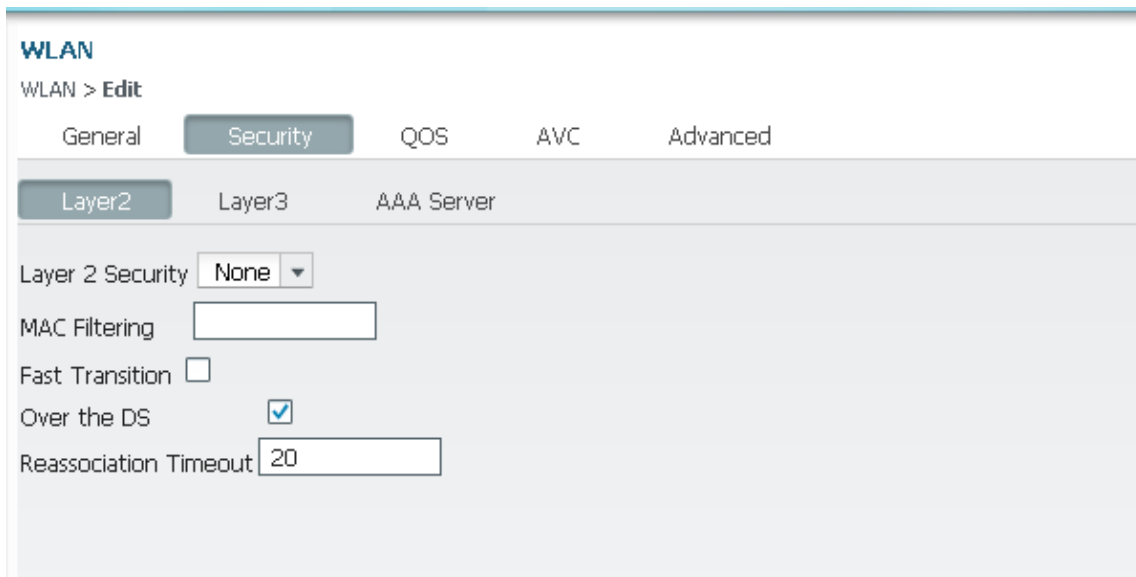
6. From the WLC GUI, navigate to **Configuration > Wireless > WLAN** in order to create a new WLAN. This example has **Webauth** as the WLAN mapped to **VLAN20**:

**WLAN**  
WLAN > Edit

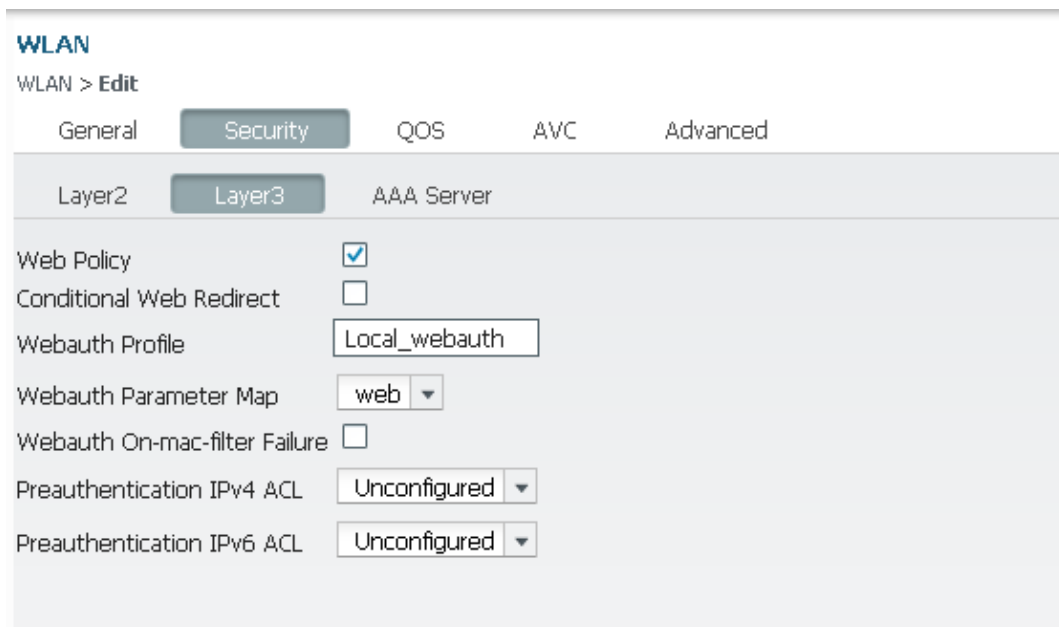
General Security QOS AVC Advanced

Profile Name: Webauth  
Type: WLAN  
SSID: Webauth  
Status:   
Security Policies: Web-Auth  
(Modifications done under security tab will appear after applying the changes.)  
Radio Policy: All  
Interface/Interface Group(G): VLAN0020  
Broadcast SSID:   
Multicast VLAN Feature:

7. Navigate to **WLAN > Edit > Security > Layer2**, and select **None** for Layer 2 Security:

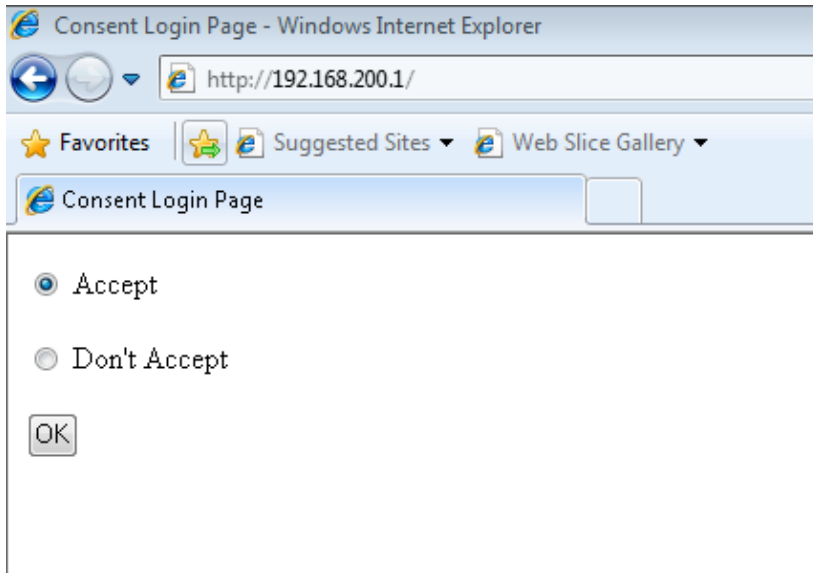


8. Navigate to **WLAN > Edit > Security > Layer3**, and choose the appropriate setting for **Webauth Parameter Map**. In this example, it is **web**.



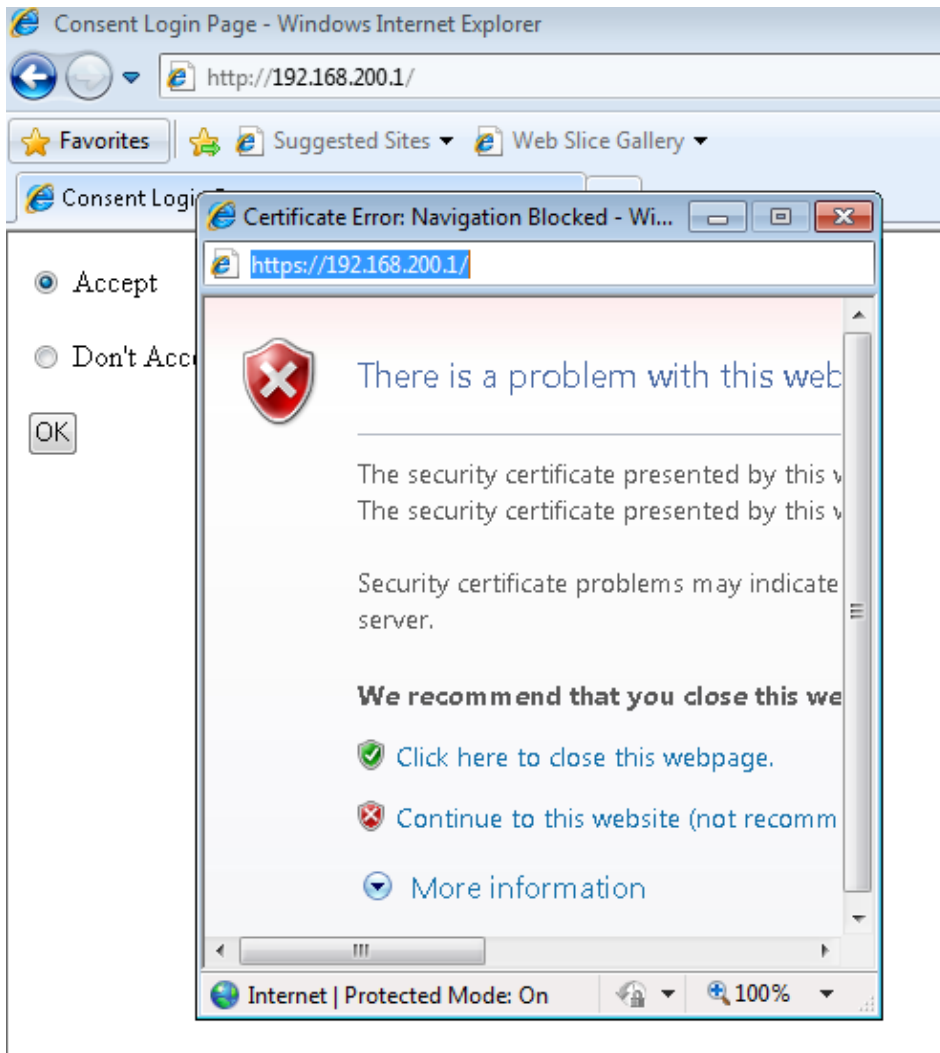
9. Save the configuration, and it is ready to test.
10. After you connect to the WLAN, the client receives the IP address. When you try to open the browser with the virtual IP address, the **Consent Login Page** displays, and you must click the **Accept** radio button.

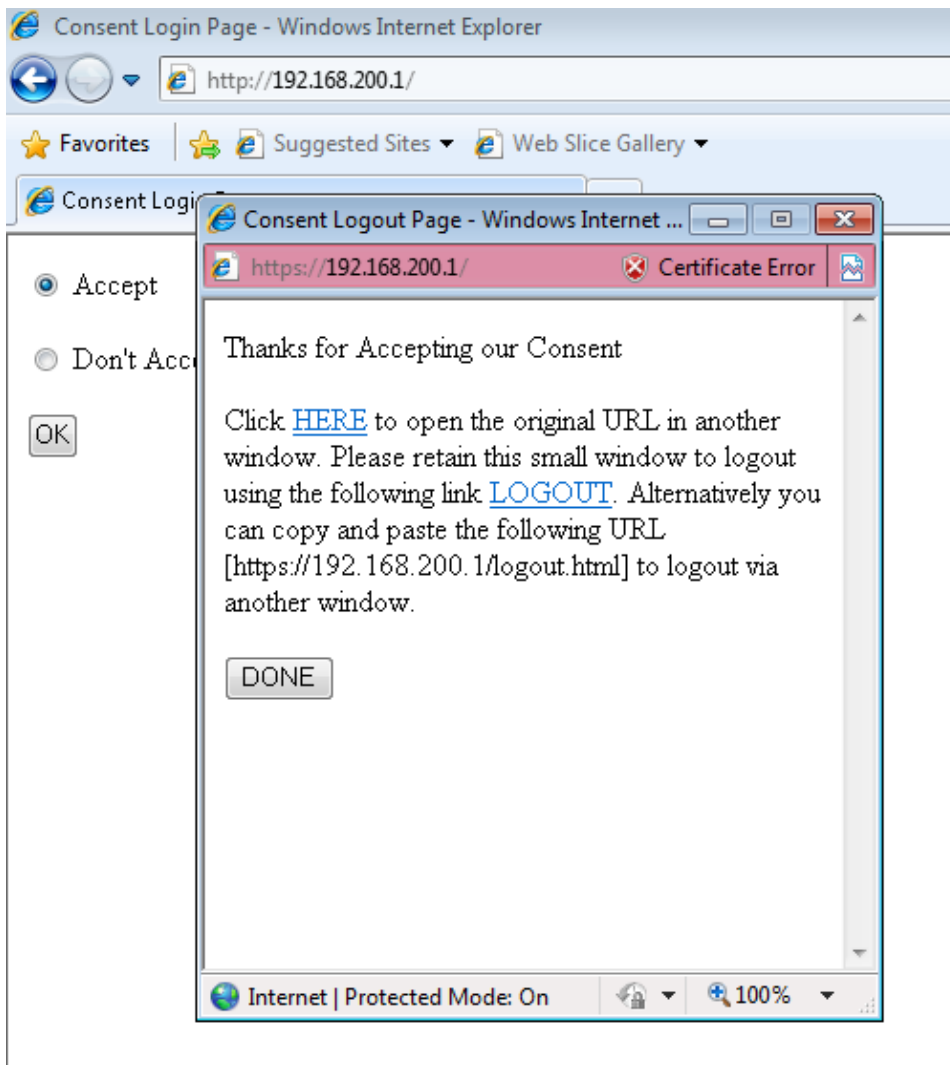
**Note:** If you have the valid Domain Name Server (DNS) configuration, then you do not need to manually enter the virtual IP address on the browser.



11. Once you click *Accept*, the successful authentication page launches, which gives you the option to navigate to the requested page.







## Client Example

Here is the packet capture from the client laptop when the client receives the DHCP:

No.	Time	Source	Destination	Protocol	Length	Source Port	Destination Port	Info
1	09:13:55.540559000	0.0.0.0	255.255.255.255	DHCP	346	68	67	DHCP Request - Transaction ID 0xd73023c4
2	09:13:55.546600000	20.20.20.1	20.20.20.6	DHCP	342	67	68	DHCP ACK - Transaction ID 0xd73023c4

After the client receives the IP address, the client opens the browser, and types the virtual IP address.

**Note:** If the DNS is configured properly, then you do not need to enter the virtual IP address on the browser.

162	09:16:09.570040000	20.20.20.6	20.20.20.255	BROWSER	220	138	138	Request Announcement CALO-PC
163	09:16:09.680160000	20.20.20.6	192.168.200.1	TCP	60		80	50128 > http [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
164	09:16:09.684532000	192.168.200.1	20.20.20.6	TCP	60		80	http > 50128 [SYN, ACK] Seq=0 Ack=1 Win=8128 Len=0 MSS=1460
165	09:16:09.684684000	20.20.20.6	192.168.200.1	TCP	54		80	50128 > http [ACK] Seq=1 Ack=1 Win=64240 Len=0
166	09:16:09.685963000	20.20.20.6	192.168.200.1	HTTP	462		80	GET / HTTP/1.1
167	09:16:09.701041000	192.168.200.1	20.20.20.6	TCP	1514		80	[TCP segment of a reassembled PDU]
168	09:16:09.913060000	20.20.20.6	192.168.200.1	TCP	54		80	50128 > http [ACK] Seq=409 Ack=1461 Win=64240 Len=0
169	09:16:09.920781000	192.168.200.1	20.20.20.6	HTTP	234		80	HTTP/1.0 200 OK (text/html)
170	09:16:09.920862000	192.168.200.1	20.20.20.6	TCP	60		80	http > 50128 [FIN, PUSH, ACK] Seq=1641 Ack=409 Win=3720 Len=0
171	09:16:09.920918000	20.20.20.6	192.168.200.1	TCP	54		80	50128 > http [ACK] Seq=409 Ack=1642 Win=64060 Len=0
172	09:16:09.921315000	20.20.20.6	192.168.200.1	TCP	54		80	50128 > http [FIN, ACK] Seq=409 Ack=1642 Win=64060 Len=0
173	09:16:09.924874000	192.168.200.1	20.20.20.6	TCP	60		80	http > 50128 [ACK] Seq=1642 Ack=410 Win=3720 Len=0
174	09:16:10.630917000	fe80::1096:8168:c7df:0211:12		DHCPv6	149	546	547	Solicit: xid= 0x9c330 CID= 0001001196580a60027136531f6

```

Internet Protocol Version 4, Src: 20.20.20.6 (20.20.20.6), Dst: 1
Transmission Control Protocol, Src Port: 50128 (50128), Dst Port:
Hypertext Transfer Protocol
  GET / HTTP/1.1\r\n
  Accept: image/jpeg, application/x-ms-application, image/gif, ap
  Accept-Language: en-US\r\n
  User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; windows NT 6.1;
  Accept-Encoding: gzip, deflate\r\n
  Host: 192.168.200.1\r\n
  Connection: Keep-Alive\r\n
  \r\n
  [Full request URI: http://192.168.200.1/]
  [HTTP request 1/1]
  [Response in frame: 169]

```

Because this configuration does not use any webauth certifications, there are CERT errors in this packet capture:

No.	Time	Source	Destination	Protocol	Length	Info
194	09:36:14.096708000	20.20.20.6	192.168.200.1	TCP	66	50130 > https [SYN] Seq=0 Win=8192 Len=0 MSS=1460 Ws=4 SACK_PERM=1
195	09:36:14.096708000	192.168.200.1	20.20.20.6	TCP	60	https > 50130 [SYN, ACK] Seq=0 Ack=1 Ws=8192 Len=0 MSS=1460
196	09:36:14.096802000	20.20.20.6	192.168.200.1	TCP	54	50130 > https [ACK] Seq=1 Ack=1 Ws=64240 Len=0
197	09:36:14.091283000	20.20.20.6	192.168.200.1	SSLv3	142	Client Hello
198	09:36:14.096902000	192.168.200.1	20.20.20.6	SSLv3	739	Server Hello, Certificate, Server Hello Done
199	09:36:14.097876000	20.20.20.6	192.168.200.1	SSLv3	262	Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
200	09:36:14.107044000	192.168.200.1	20.20.20.6	SSLv3	125	Change Cipher Spec, Encrypted Handshake Message
201	09:36:14.117824000	20.20.20.6	192.168.200.1	TCP	54	50130 > https [FIN, ACK] Seq=297 Ack=757 Ws=3484 Len=0
202	09:36:14.119365000	20.20.20.6	192.168.200.1	TCP	66	50131 > https [SYN] Seq=0 Win=8192 Len=0 MSS=1460 Ws=4 SACK_PERM=1
203	09:36:14.125083000	192.168.200.1	20.20.20.6	TCP	60	https > 50130 [ACK] Seq=757 Ack=298 Ws=3832 Len=0
204	09:36:14.125192000	192.168.200.1	20.20.20.6	TCP	60	https > 50130 [FIN, RST, ACK] Seq=757 Ack=298 Ws=3832 Len=0
205	09:36:14.125245000	20.20.20.6	192.168.200.1	TCP	54	50130 > https [ACK] Seq=298 Ack=758 Ws=63484 Len=0
206	09:36:14.125447000	192.168.200.1	20.20.20.6	TCP	60	https > 50131 [SYN, ACK] Seq=0 Ack=1 Ws=8192 Len=0 MSS=1460
207	09:36:14.125506000	20.20.20.6	192.168.200.1	TCP	54	50131 > https [ACK] Seq=1 Ack=1 Ws=64240 Len=0
208	09:36:14.126314000	20.20.20.6	192.168.200.1	SSLv3	142	Client Hello
209	09:36:14.132508000	192.168.200.1	20.20.20.6	SSLv3	739	Server Hello, Certificate, Server Hello Done
210	09:36:14.133515000	20.20.20.6	192.168.200.1	SSLv3	262	Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
211	09:36:14.142340000	192.168.200.1	20.20.20.6	SSLv3	125	Change Cipher Spec, Encrypted Handshake Message
212	09:36:14.152330000	20.20.20.6	192.168.200.1	SSLv3	613	Application Data
213	09:36:14.166282000	192.168.200.1	20.20.20.6	TCP	154	[TCP segment of a reassembled PDU]
214	09:36:14.166484000	192.168.200.1	20.20.20.6	SSLv3	186	Application Data
215	09:36:14.166546000	20.20.20.6	192.168.200.1	TCP	54	50131 > https [ACK] Seq=376 Ack=2350 Ws=64240 Len=0
216	09:36:14.167248000	20.20.20.6	192.168.200.1	TCP	54	50131 > https [FIN, ACK] Seq=876 Ack=2350 Ws=64240 Len=0
217	09:36:14.172133000	192.168.200.1	20.20.20.6	TCP	60	https > 50131 [ACK] Seq=2350 Ack=877 Ws=3253 Len=0

After successful authentication, the client is in the **RUN** state on the WLC GUI.

**Client**  
Client > Detail

General    AVC Statistics

**Client Properties**

Mac Address	00:21:6A:89:51:CA
IPv4 Address	20.20.20.6
IPv6 Address	None
User Name	0021.6a89.51ca
Port Number	1
Interface	VLAN0020
Vlan ID	20
CCX Version	4
E2E Version	1
Mobility State	Local
Policy Manager State	RUN
Management Frame Protection	Disabled
Uptime(sec)	33
Power Save Mode	OFF
Current TxRateSet	None
Data RateSet	6.0,9.0,12.0,18.0,24.0,36.0,48.0,54.0

**AP Properties**

AP Address	C8:F9:F9:83:42:60
AP Name	SURBG-3602
AP Type	802.11n
Wlan Profile	Webauth
Status	Associated
Association ID	1
802.11 Authentication	Open System
Reason Code	1
Status Code	0
CF Pollable	Not implemented
CF Pollable Request	Not implemented
Short Preamble	Not implemented
PBCC	Not implemented
Channel Agility	Not implemented
Fast BSS Transition	Not implemented
FT Reassociation Timeout	20
Session Timeout	1800
WEP state	Disabled

**Security Information**

Security Policy Completed	Enabled
Policy Type	N/A
Encryption Cypher	None
EAP type	Not Applicable
SNMP Nac State	None

**Client Statistics**

Bytes Received	0
Bytes Sent	0
Packets Received	0
Packets Sent	0
Policy Errors	0

## Verify

There is currently no verification procedure available for this configuration.

## Troubleshoot

**Note:** Because debugs are processor-intensive, you should run the debugs in a scheduled maintenance window.

Enter these debugs in order to troubleshoot your configuration:

```
debug client mac-address 00:21:6A:89:51:CA
debug ip http all
debug access-session all
```

All Auth Manager debugging is on  
SURBG-5760#**debug ip admission all**  
All IP admission debugging is on

5760#**show debugging**

IP admission:

```
IP admission AAA event debugging is on
IP admission ACL event debugging is on
IP admission session-mgr debugging is on
IP admission development debugging is on
```

IP admission denial-of-service debugging is on  
IP admission EAPoUDP posture validation debugging is on  
IP admission error debugging is on  
IP admission HTTP proxy daemon debugging is on  
IP admission L3 idle-timer debugging is on  
IP admission input-feature debugging is on  
IP admission io debugging is on  
IP admission page debugging is on  
IP admission qualify debugging is on  
IP admission session debugging is on  
IP admission state debugging is on  
IP admission timer debugging is on  
IP admission client debugging is on  
IP admission high-availability debugging is on

HTTP Server:

HTTP Server transaction debugging is on  
HTTP Server tokens debugging is on  
HTTP Server EZSetup debugging is on  
HTTP Server URL debugging is on  
HTTP Server Authentication debugging is on  
HTTP Server Side Includes debugging is on  
HTTP Application Inout debugging is on  
HTTP Application Detail debugging is on  
HTTP Server Error debugging is on  
HTTP SSL Error debugging is on

Nova Platform:

dot11/state debugging is on  
pem/events debugging is on  
ft/events debugging is on  
client/mac-addr debugging is on  
dot11/detail debugging is on  
mac/ filters[string 00:21:6A:89:51:C] debugging is on  
dot11/error debugging is on  
dot11/mobile debugging is on  
pem/state debugging is on

SURBG-5760#

**\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: Processing assoc-req station: 0021.6a89.51ca AP: c8f9.f983.4260 -01 thread:-114119824**  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Adding mobile on LWAPP AP c8f9.f983.4260 (1)  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Creating WL station entry for client - rc 0  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Association received from mobile on AP c8f9.f983.4260  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca qos upstream policy is unknown and downstream policy is unknown  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca ap Changed 0 wlanChanged 0 mscb ipAddr 0.0.0.0, apf RadiusOverride 0x0, numIPv6Addr=0  
\*Oct 9 04:16:37.962: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Applying WLAN policy on MSCB.  
\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Applying WLAN ACL policies to client  
\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca No Interface ACL used for Wireless client in WCM(NGWC)  
**\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Applying site-specific IPv6 override for station 0021.6a89.51ca - vapid 9, site 'default-group', interface 'VLAN0020'**  
\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Applying local bridging Interface Policy for station 0021.6a89.51ca - vlan 20, interface 'VLAN0020'  
\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca STA - rates (8): 140 18 152 36 176 72 96 108 0 0 0 0 0 0 0  
\*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca new

```
capwap_wtp_iif_id 45e780000000c, sm capwap_wtp_iif_id 0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
Radio IIFID 0x6025800000000e, BSSID IIF Id 0x498f800000001b, COS 4
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: Load Balancer: Success,
Resource allocated are: Active Switch number: 1, Active Asic number : 0,
Reserve Switch number
2 Reserve Asic number 0. AP Asic num 0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
Anchor Sw 1, Doppler 0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_ALLOCATE: Client IIF Id alloc SUCCESS w/ client 58b5800000001c (state 0).
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca iifid
Clearing Ack flag
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
Platform ID allocated successfully ID:10
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
Adding opt82 len 0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
Clearing Ack flag
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
ssid Webauth bssid c8f9.f983.4260 vlan 20 auth=ASSOCIATION(0) wlan(ap-group/global)
9/9 client 0 assoc 1 mob=Unassoc(0) radio 1 m_vlan 20 ip 0.0.0.0 src
0x45e7800000000c dst 0x0 cid 0x58b5800000001c glob rsc id 10dhcpsrv 0.0.0.0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_ADD:
mscb iifid 0x58b5800000001c msinfo iifid 0x0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0
START (0) Initializing policy
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change state
to AUTHCHECK (2) last state START (0)
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change
state to L2AUTHCOMPLETE (4) last state AUTHCHECK (2)
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: Client 1 m_vlan 20 Radio iif id 0x6025800000000e bssid iif id
0x498f800000001b, bssid c8f9.f983.4260
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_AUTH:
Adding opt82 len 0
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: WCDB_IIF: Ack Message ID:
0x58b5800000001c code 1001
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_LLM:
NoRun Prev Mob 0, Curr Mob 0 llmReq 1, return False
*Oct 9 04:16:37.963: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca auth state 1
mob state 0 setWme 0 wme 1 roam_sent 0
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: auth=L2_AUTH(1) vlan 20 radio 1 client_id 0x58b5800000001c
mobility=Unassoc(0) src_int 0x45e7800000000c dst_int 0x0 ackflag 0 reassoc_client
0 llm_notif 0 ip 0.0.0.0 ip_learn_type 0
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: In L2 auth but l2ack waiting lflag not set,so set
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0
L2AUTHCOMPLETE (4) DHCP Not required on AP c8f9.f983.4260 vapId 9 apVapId 9for
this client
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Not Using
WMM Compliance code qosCap 00
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0
L2AUTHCOMPLETE (4) Plumbed mobile LWAPP rule on AP c8f9.f983.4260 vapId 9
apVapId 9
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change state
to DHCP_REQD (7) last state L2AUTHCOMPLETE (4)
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: Client 1 m_vlan 20 Radio iif id 0x6025800000000e bssid iif id
0x498f800000001b, bssid c8f9.f983.4260
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_AUTH:
Adding opt82 len 0
*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_CHANGE:
Suppressing SPI (Mobility state not known) pemstate 7 state LEARN_IP(2) vlan
20 client_id 0x58b5800000001c mob=Unassoc(0) ackflag 1 dropd 0
```

\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Incrementing the Reassociation Count 1 for client (of interface VLAN0020)  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca apfPemAddUser2 (apf\_policy.c:161) Changing state for mobile 0021.6a89.51ca on AP c8f9.f983.4260 from Idle to Associated  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Reason code 0, Preset 4, AAA cause 1  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Scheduling deletion of Mobile Station: (callerId: 49) in 1800 seconds  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Ms Timeout = 1800, Session Timeout = 1800  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: Sending assoc-resp station: 0021.6a89.51ca AP: c8f9.f983.4260 -01 thread:-114119824  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Sending Assoc Response to station on BSSID c8f9.f983.4260 (status 0) ApVapId 9 Slot 1  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca apfProcessAssocReq (apf\_80211.c:6224) Changing state for mobile 0021.6a89.51ca on AP c8f9.f983.4260 from Associated to Associated  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) pemAdvanceState2: MOBILITY-INCOMPLETE with state 7.  
\*Oct 9 04:16:37.964: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) pemAdvanceState2: MOBILITY-INCOMPLETE with state 7.  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) pemAdvanceState2: MOBILITY-COMPLETE with state 7.  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) State Update from Mobility-Incomplete to Mobility-Complete, mobility role=Local, client state=APF\_MS\_STATE\_ASSOCIATED  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) pemAdvanceState2 3649, Adding TMP rule  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) Adding Fast Path rule^M on AP c8f9.f983.4260 , slot 1 802.1P = 0^M  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0 DHCP\_REQD (7) Successfully plumbed mobile rule  
**\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca**  
**WEBAUTH: Using method list Local\_webauth**  
**\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca**  
**WEBAUTH: Using webAuth profile name web**  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Using webAuth Max Logins 3  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Calling Auth Mgr to authenticate client 58b5800000001c  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: apfMsWebAuthInitiated is not true. So not updating SM  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: At the End of webAuthClientAuthNotify mscb->apfMsOldSmwtp\_iif\_id = 0  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Wcdb\_CHANGE: Client 1 m\_vlan 20 Radio iif id 0x6025800000000e bssid iif id 0x498f8000000001b, bssid c8f9.f983.4260  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Wcdb\_AUTH: Adding opt82 len 0  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Wcdb\_LLM: NoRun Prev Mob 0, Curr Mob 1 llmReq 1, return False  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Wcdb\_CHANGE: Suppressing SPI (ACK message not recvd) pemstate 7 state LEARN\_IP(2) vlan 20 client\_id 0x58b5800000001c mob=Local(1) ackflag 1 dropd 1  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Error updating wcdb on mobility complete  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: PEM recv processing msg Epm spi response(12)  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca aaa attribute list length is 79  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Sending SPI spi\_epm\_epm\_session\_create successfull  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: PEM recv processing msg Add SCB(3)  
\*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0,

```
auth_state 7 mmRole Local !!!
*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 0.0.0.0,
auth_state 7 mmRole Local, updating wcdb not needed
*Oct 9 04:16:37.965: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Tclas
Plumb needed: 0
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB
SPI response msg handler client code 0 mob state 0
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WcdbClientUpdate: L2 Auth ACK from WCDB
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_L2ACK: wcdbAckRecvdFlag updated
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: Client 1 m_vlan 20 Radio iif id 0x6025800000000e bssid iif id
0x498f8000000001b, bssid c8f9.f983.4260
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_AUTH: Adding opt82 len 0
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_LLM: NoRun Prev Mob 0, Curr Mob 1 llmReq 1, return False
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
auth state 2 mob state 1 setWme 0 wme 1 roam_sent 0
*Oct 9 04:16:37.966: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WCDB_CHANGE: auth=LEARN_IP(2) vlan 20 radio 1 client_id 0x58b5800000001c
mobility=Local(1) src_int 0x45e7800000000c dst_int 0x0 ackflag 2
reassoc_client 0 llm_notif 0 ip 0.0.0.0 ip_learn_type 0
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Session
create resp - client handle 58b5800000001c session 10000015
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Netflow
session create
resp - client handle 58b5800000001c sess 10000015
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: PEM recv processing
msg Epm spi response(12)
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received
session_create_response for client handle 24969359310979100
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received
session_create_response with EPM session handle 268435477
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Web-Auth
client, checking if pre-auth policies are needed to be plumbed
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Trying to
create a preauth policy for the client
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Send
request to EPM
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca aaa
attribute list length is 34
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Sending
Activate request for session handle 268435477 successful
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Pre-auth
policy request sent! Now wait for pre-auth policy ACK from EPM
*Oct 9 04:16:37.967: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Setting
the epmSendAclDone flag.
*Oct 9 04:16:37.968: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Init feature,
client handle 58b5800000001c session 10000015 authz 1f000015
*Oct 9 04:16:37.968: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Activate feature
client handle 58b5800000001c sess 10000015 authz 1f000015
*Oct 9 04:16:37.968: %IOSXE-7-PLATFORM: 1 process wcm: PEM recv processing msg
Epm spi response(12)
*Oct 9 04:16:37.968: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received
activate_features_resp for client handle 24969359310979100
*Oct 9 04:16:37.968: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received
activate_features_resp for EPM session handle 268435477
*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB_IP_BIND:
w/ IPv4 20.20.20.6 ip_learn_type DHCP add_delete 1,options_length 0
*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
WcdbClientUpdate: IP Binding from WCDB ip_learn_type 1, add_or_delete 1
*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca IPv4 Addr:
20:20:20:6
*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca MS got
```



the IP, resetting the Reassociation Count 0 for client  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change state to WEBAUTH\_REQD (8) last state DHCP\_REQD (7)  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_CHANGE: Client 1 m\_vlan 20 Radio iif id 0x6025800000000e bssid iif id 0x498f800000001b, bssid c8f9.f983.4260  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_AUTH: Adding opt82 len 0  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_LLM: NoRun Prev Mob 1, Curr Mob 1 llmReq 5, return False  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca auth state 3 mob state 1 setWme 0 wme 1 roam\_sent 0  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_CHANGE: auth=L3\_AUTH(3) vlan 20 radio 1 client\_id 0x58b5800000001c mobility=Local(1) src\_int 0x45e7800000000c dst\_int 0x0 ackflag 2 reassoc\_client 0 llm\_notif 0 ip 20.20.20.6 ip\_learn\_type DHCP  
**\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Using method list Local\_webauth**  
**\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Using webAuth profile name web**  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Using webAuth Max Logins 3  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Calling Auth Mgr to authenticate client 58b5800000001c  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: Called SM start with apfMswtp\_iif\_id 45e7800000000c, mscb->apfMswtp\_iif\_id 58b5800000001c  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH: At the End of webAuthClientAuthNotify mscb->apfMsOldSmwtp\_iif\_id = 45e7800000000c  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6 WEBAUTH\_REQD (8) pemAdvanceState2 4382, Adding TMP rule  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6 WEBAUTH\_REQD (8) Replacing Fast Path rule^M on AP c8f9.f983.4260 , slot 1 802.1P = 0^M  
**\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6 WEBAUTH\_REQD (8) Successfully plumbed mobile rule**  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Plumbing web-auth redirect rule due to user logout  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Sending IPv4 update to Controller 10.105.135.178  
\*Oct 9 04:16:38.019: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Assigning Address 20.20.20.6 to mobile  
\*Oct 9 04:16:38.020: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing msg Add SCB(3)  
\*Oct 9 04:16:38.020: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6, auth\_state 8 mmRole Local !!!  
\*Oct 9 04:16:38.020: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6, auth\_state 8 mmRole Local, updating wcdb not needed  
\*Oct 9 04:16:38.020: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Tclas Plumb needed: 0  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Received session event 'SESSION\_START' from client  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Session start for 0021.6a89.51ca  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Using stored AAA ID 0x00000015  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Retrieved Client IIF ID 58B5800000001C  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Allocated new Auth Manager context (handle 0x10000016)  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca, Initialising Method state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method Session Mgr IPDT Shim to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,

Initialising Method SVM state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method SVM to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method Switch  
PI to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method Session  
Mgr SISF Shim to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method iaf state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method iaf to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method Tag state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method Tag to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method dct state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method dct to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method SM Reauth Plugin state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method SM  
Reauth Plugin to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method SM Accounting Feature state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method SM  
Accounting Feature to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method Session  
Mgr FFCP Shim to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method AIM to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method dotlx state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method dotlx to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method mab state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method mab to  
runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Initialising Method webauth state to 'Not run'  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Adding method webauth  
to runnable list for session 0x10000016  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Processing SM CB request  
for 0x10000016: Event: New client notification (201)  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Create attr list,  
session 0x10000016:  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding MAC  
0021.6a89.51ca  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding Swidb  
0x9745F750  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding AAA\_ID=15  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding Audit\_sid=  
0a6987b25254d8a500000015  
\*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding IIF ID=  
0x58B5800000001C  
\*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] New client 0021.6a89.51ca -  
client handle 0x00000001 for SVM

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*Oct 9 04:16:38.020: AUTH-EVENT: [0021.6a89.51ca, Ca1] Added record to DB - hdl
0x10000016 / 0021.6a89.51ca. 1 session(s) on IDB
*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding MAC
0021.6a89.51ca
*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding
SWIDB Capwap1
*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding
AAA-ID 15
*Oct 9 04:16:38.020: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding
AUDIT-ID 0a6987b25254d8a500000015
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding
IIF-ID 0x58B5800000001C
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Add record - adding
TARGET_SCOPE (Client)
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Ca1] No policy handle to
bind session
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] Create attr list, session
0x10000016:
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding MAC 0021.6a89.51ca
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding Swidb 0x9745F750
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding AAA_ID=15
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding Audit_sid=
0a6987b25254d8a500000015
*Oct 9 04:16:38.021: AUTH-DETAIL: [0021.6a89.51ca, Ca1] - adding IIF ID=
0x58B5800000001C
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Ca1] Processing SM CB request for
0x10000016: Event: Start a method (200)
*Oct 9 04:16:38.021: WA-SM : Ca1 [0.0.0.0 ] Start CB, info hdl
00000000 [0x0], SM hdl 10000016, flags 0x0
*Oct 9 04:16:38.021: WA-SM : Ca1 [0.0.0.0 ] Start CB, Rcvd ID
attrs mac 0021.6a89.51ca, IIF 58B5800000001C , audit-ID 0a6987b25254d8a500000015
*Oct 9 04:16:38.021: WA-SM : Ca1 Creating idb subblock (1)
*Oct 9 04:16:38.021: WA-SESSN: [0.0.0.0 ] Create session, hdl
3D00000B [0x96FD5A50]
*Oct 9 04:16:38.021: WA-STATE: [0.0.0.0 ] State Invalid
State -> INIT
*Oct 9 04:16:38.021: WA-SESSN: Ca1 [0.0.0.0 ] Create session, Add
address 0.0.0.0 [0021.6a89.51ca]
*Oct 9 04:16:38.021: WA-STATE: Ca1 [0.0.0.0 ] State INIT -> INIT
*Oct 9 04:16:38.021: WA-TIMER: Ca1 [0.0.0.0 ] State timer start
(120 secs)
*Oct 9 04:16:38.021: WA-SM : Ca1 [0.0.0.0 ] Initiate session,
SM initd sessions 1
*Oct 9 04:16:38.021: WA-STATE: Ca1 [0.0.0.0 ] State INIT -> INIT
*Oct 9 04:16:38.021: WA-TIMER: Ca1 [0.0.0.0 ] State timer restart
(120 secs)
*Oct 9 04:16:38.021: WA-ACL :Ca1 [0.0.0.0 ] Add IPv4 intercept
ACL via FFM, name "IP-Adm-V4-Int-ACL-global", pri 50, IIF 58B5800000001C
*Oct 9 04:16:38.021: WA-ACL : Ca1 [0.0.0.0 ] Add IPv6 intercept
ACL via FFM, name "IP-Adm-V6-Int-ACL-global", pri 52, IIF 58B5800000001C
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,
Context changing state from 'Idle' to 'Running'
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,
Method webauth changing state from 'Not run' to 'Running'
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Ca1] Received internal event
SINGLE_ID_UPDATE (handle 0x10000016)
*Oct 9 04:16:38.021: WA-SM : Ca1 [0.0.0.0 ] Change notif CB,
ADD, info hdl 3D00000B, SM hdl 10000016
*Oct 9 04:16:38.021: WA-SM : Ca1 [20.20.20.6 ] Change notif CB,
Add IPv4 address
*Oct 9 04:16:38.021: WA-SESSN: Ca1 [20.20.20.6 ] Change notif CB,
Add address
20.20.20.6 [0021.6a89.51ca]
*Oct 9 04:16:38.021: WA-SESSN: Ca1 [20.20.20.6 ] Adding ARP Table
entry [Notify CB] Vlan20 20.20.20.6 0021.6a89.51ca
*Oct 9 04:16:38.021: AUTH-SYNC: [0021.6a89.51ca, Ca1] Delay add sync of addr

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for 0021.6a89.51ca / 0x10000016
*Oct 9 04:16:38.021: AUTH-EVENT: Handling client event SESSION_STARTED (8) for
PRE, handle 0x10000016
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Cal] SM will not apply policy
for SESSION_STARTED on 0x10000016 / 0021.6a89.51ca
*Oct 9 04:16:38.021: AUTH-EVENT: [0021.6a89.51ca, Cal] Processing default action(s)
for event SESSION_STARTED for session 0x10000016.
*Oct 9 04:16:38.021: AUTH-DETAIL: No default action(s) for event SESSION_STARTED.
*Oct 9 04:16:38.472: AUTH-EVENT: Raising ext evt Template Activated (8) on session
0x10000015, client (unknown) (0), hdl 0x00000000, attr_list 0x41000336
*Oct 9 04:16:38.472: AUTH-EVENT: SM will not send event Template Activated to PRE
for 0x10000015
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Policy enforcement -
client handle 58b5800000001c session 7600000b authz 1f000015
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Netflow policy
enforcement - client handle 58b5800000001c sess 7600000b authz 1f000015 msg_type
0 policy_status 0 attr len 0
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing
msg Epm spi response(12)
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
Received policy_enforcement_response for client handle 24969359310979100
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
Received policy_enforcement_response for EPM session handle 1979711499
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
Received response for _EPM_SPI_ACTIVATE_FEATURES request sent for client
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
Received _EPM_SPI_STATUS_SUCCESS for request sent for client
*Oct 9 04:16:38.472: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca
Pre-auth policy ACK recvd from EPM, unset flag on MSCB
*Oct 9 04:16:51.143: WA-QLFY : Cal [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.143: WA-INFT : Cal [20.20.20.6 ] 50164 TCP SYN [1],
dport 80, INIT state
*Oct 9 04:16:51.147: WA-QLFY : Cal [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.147: WA-HTTPD: Cal [20.20.20.6 ] 50164/0 HTTP
Intercept, New fd 0, sport [50164], info hdl [0x3D00000B], mac [0021.6a89.51ca]
*Oct 9 04:16:51.147: WA-HTTPD: Cal [20.20.20.6 ] 50164/0 Create
IO ctx, id [6B00002B], pid 208
*Oct 9 04:16:51.147: WA-CLNT : Cal [20.20.20.6 ] 50164 Client
conn add [0021.6a89.51ca] ioctx [6B00002B] #1 pid 208
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 IO state
NEW -> READING
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 Read event,
read buffer addr 0x97546DF4, length 2048, cursor 0
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 Read event,
Read blocked, cursor 0
*Oct 9 04:16:51.147: WA-QLFY : Cal [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 Read event,
read buffer addr 0x97546DF4, length 2048, cursor 0
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 Read event,
Read blocked, cursor 416
*Oct 9 04:16:51.147: WA-IO : Cal [20.20.20.6 ] 50164/0 Read event,
Message ready
*Oct 9 04:16:51.147: HTTP: token [STRING] len 3: 'GET'
*Oct 9 04:16:51.147: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.147: HTTP: token [OTHER ] len 1: '/'
*Oct 9 04:16:51.147: HTTP: token [STRING] len 8: 'wireless'
*Oct 9 04:16:51.147: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.147: HTTP: token [STRING] len 4: 'HTTP'
*Oct 9 04:16:51.147: HTTP: token [OTHER ] len 1: '/'
*Oct 9 04:16:51.148: HTTP: token [STRING] len 1: '1'
*Oct 9 04:16:51.148: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:51.148: HTTP: token [STRING] len 1: '1'
*Oct 9 04:16:51.148: HTTP: token [CRLF ] len 2: '\15\12'
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*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 5: 'Media'
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 6: 'Center'
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 2: 'PC'
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 1: '6'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 1: '0'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: ') '
*Oct 9 04:16:51.149: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 6: 'Accept'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 8: 'Encoding'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 4: 'gzip'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: ','
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 7: 'deflate'
*Oct 9 04:16:51.149: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 4: 'Host'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:51.149: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:51.149: HTTP: token [STRING] len 3: '192'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 3: '168'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 3: '200'
*Oct 9 04:16:51.149: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:51.149: HTTP: token [STRING] len 1: '1'
*Oct 9 04:16:51.149: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:51.149: WA-HTTPD: Ca1 [20.20.20.6 ] Parse GET,
src [20.20.20.6] dst [192.168.200.1] url [http://192.168.200.1/wireless]
*Oct 9 04:16:51.149: WA-STATE: Ca1 [20.20.20.6 ] State
INIT -> LOGIN
*Oct 9 04:16:51.149: WA-TIMER: Ca1 [20.20.20.6 ] State timer
restart (120 secs)
*Oct 9 04:16:51.149: WA-PAGE : Ca1 [20.20.20.6 ] 50164 Sending
Consent login form, len 1477
*Oct 9 04:16:51.149: WA-IO : Ca1 [20.20.20.6 ] 50164/0 IO
state READING -> WRITING
*Oct 9 04:16:51.149: WA-IO : Ca1 [20.20.20.6 ] 50164/0 Write
event, buffer addr 0x975629F0, length 1641, cursor 0
*Oct 9 04:16:51.149: WA-IO : Ca1 [20.20.20.6 ] 50164/0 Write
event, Write blocked, cursor 1460
*Oct 9 04:16:51.353: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.353: WA-IO : Ca1 [20.20.20.6 ] 50164/0 Write
event, buffer addr 0x975629F0, length 1641, cursor 1460
*Oct 9 04:16:51.354: WA-IO : Ca1 [20.20.20.6 ] 50164/0 IO state
WRITING -> END
*Oct 9 04:16:51.354: WA-HTTPD: Ca1 [20.20.20.6 ] 50164/0 Remove
IO ctx and close socket, id [6B00002B]
*Oct 9 04:16:51.354: WA-CLNT : Ca1 [20.20.20.6 ] 50164 Client conn
timer start [0021.6a89.51ca] iotx [6B00002B]
*Oct 9 04:16:51.360: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.360: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:51.361: WA-INFT : Ca1 [20.20.20.6 ] 50164 TCP FIN,
dport 80
*Oct 9 04:16:53.460: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:53.460: WA-INFT : Ca1 [20.20.20.6 ] 50165 TCP SYN [2],

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dport 443, LOGIN state
*Oct 9 04:16:53.464: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:53.464: WA-HTTPD: Ca1          [20.20.20.6      ] 50165/0 HTTP
Intercept, New fd 0, sport [50165], info hdl [0x3D00000B], mac [0021.6a89.51ca]
*Oct 9 04:16:53.464: WA-HTTPD: Ca1          [20.20.20.6      ] 50165/0 Create
IO ctx, id [AB00002C], pid 208
*Oct 9 04:16:53.464: WA-CLNT : Ca1          [20.20.20.6      ] 50165 Client
conn add [0021.6a89.51ca] ioctx [AB00002C] #2 pid 208
*Oct 9 04:16:53.464: WA-IO   : Ca1          [20.20.20.6      ] 50165/0 IO state
NEW -> SSL_HANDSHAKING
*Oct 9 04:16:53.470: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:53.474: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:53.478: WA-IO   : Ca1          [20.20.20.6      ] 50165/0 IO state
SSL_HANDSHAKING -> READING
*Oct 9 04:16:53.478: WA-IO   : Ca1          [20.20.20.6      ] 50165/0 Read event,
read buffer addr 0x97546DF4, length 2048, cursor 0
*Oct 9 04:16:53.478: WA-IO   : Ca1          [20.20.20.6      ] 50165/0 Read event,
Read blocked, cursor 0
*Oct 9 04:16:53.622: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy, Session
found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:53.622: WA-INFT : Ca1          [20.20.20.6      ] 50165 TCP FIN,
dport 443
*Oct 9 04:16:53.622: WA-IO   : Ca1          [20.20.20.6      ] 50165/0 Read event,
read buffer addr 0x97546DF4, length 2048, cursor 0
*Oct 9 04:16:53.622: %HTTPS: SSL read fail (-6992)
*Oct 9 04:16:53.622: WA-ERROR: Ca1          [20.20.20.6      ] 50165/0 Read event,
Socket read error [ERROR] errno=5
*Oct 9 04:16:53.622: WA-HTTPD: Ca1          [20.20.20.6      ] 50165/0 Remove IO
ctx and close
socket, id [AB00002C]
*Oct 9 04:16:53.622: WA-HTTPD: Ca1          [20.20.20.6      ] 50165/0 Remove IO
ctx - Closed
SSL connection
*Oct 9 04:16:53.623: WA-CLNT : Ca1          [20.20.20.6      ] 50165 Client conn
timer start
[0021.6a89.51ca] ioctx [AB00002C]
*Oct 9 04:16:53.635: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:54.943: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:54.943: WA-INFT : Ca1          [20.20.20.6      ] 50166 TCP SYN [3],
dport 443, LOGIN state
*Oct 9 04:16:54.947: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:54.947: WA-HTTPD: Ca1          [20.20.20.6      ] 50166/0 HTTP
Intercept, New fd 0, sport [50166], info hdl [0x3D00000B], mac [0021.6a89.51ca]
*Oct 9 04:16:54.947: WA-HTTPD: Ca1          [20.20.20.6      ] 50166/0 Create
IO ctx, id [E300002D], pid 208
*Oct 9 04:16:54.947: WA-CLNT : Ca1          [20.20.20.6      ] 50166 Client conn add
[0021.6a89.51ca] ioctx [E300002D] #3 pid 208
*Oct 9 04:16:54.947: WA-IO   : Ca1          [20.20.20.6      ] 50166/0 IO state
NEW -> SSL_HANDSHAKING
*Oct 9 04:16:54.947: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:54.952: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:54.955: WA-IO   : Ca1          [20.20.20.6      ] 50166/0 IO state
SSL_HANDSHAKING -> READING
*Oct 9 04:16:54.955: WA-IO   : Ca1          [20.20.20.6      ] 50166/0 Read event,
read buffer addr 0x97577F50, length 2048, cursor 0
*Oct 9 04:16:54.956: WA-IO   : Ca1          [20.20.20.6      ] 50166/0 Read event,
Read blocked, cursor 0
*Oct 9 04:16:54.971: WA-QLFY : Ca1          [20.20.20.6      ] Ingress qlfy,

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Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.971: WA-INFT : Ca1 [20.20.20.6 ] 50166 TCP FIN,  
dport 443  
\*Oct 9 04:16:54.971: WA-IO : Ca1 [20.20.20.6 ] 50166/0 Read event,  
read buffer addr 0x97577F50, length 2048, cursor 0  
\*Oct 9 04:16:54.971: %HTTPS: SSL read fail (-6992)  
\*Oct 9 04:16:54.971: WA-ERROR: Ca1 [20.20.20.6 ] 50166/0 Read event,  
Socket read error [ERROR] errno=5  
\*Oct 9 04:16:54.971: WA-HTTPD: Ca1 [20.20.20.6 ] 50166/0 Remove IO  
ctx and close socket, id [E300002D]  
\*Oct 9 04:16:54.971: WA-HTTPD: Ca1 [20.20.20.6 ] 50166/0 Remove IO  
ctx - Closed SSL connection  
\*Oct 9 04:16:54.971: WA-CLNT : Ca1 [20.20.20.6 ] 50166 Client conn  
timer start [0021.6a89.51ca] ioctx [E300002D]  
\*Oct 9 04:16:54.972: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.972: WA-INFT : Ca1 [20.20.20.6 ] 50167 TCP SYN [4],  
dport 443, LOGIN state  
\*Oct 9 04:16:54.978: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.978: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.978: WA-HTTPD: Ca1 [20.20.20.6 ] 50167/0 HTTP  
Intercept, New fd 0, sport [50167], info hdl [0x3D00000B], mac [0021.6a89.51ca]  
\*Oct 9 04:16:54.978: WA-HTTPD: Ca1 [20.20.20.6 ] 50167/0 Create IO  
ctx, id [3B00002E], pid 208  
\*Oct 9 04:16:54.978: WA-CLNT : Ca1 [20.20.20.6 ] 50167 Client conn  
add [0021.6a89.51ca] ioctx [3B00002E] #4 pid 208  
\*Oct 9 04:16:54.978: WA-IO : Ca1 [20.20.20.6 ] 50167/0 IO state  
NEW -> SSL\_HANDSHAKING  
\*Oct 9 04:16:54.978: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.985: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:54.988: WA-IO : Ca1 [20.20.20.6 ] 50167/0 IO state  
SSL\_HANDSHAKING -> READING  
\*Oct 9 04:16:54.988: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Read event,  
read buffer addr 0x97546DF4, length 2048, cursor 0  
\*Oct 9 04:16:54.989: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Read event,  
Read blocked, cursor 0  
\*Oct 9 04:16:55.004: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,  
Session found, ACL in-place, mac [0021.6a89.51ca], intercept  
\*Oct 9 04:16:55.004: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Read event,  
read buffer addr 0x97546DF4, length 2048, cursor 0  
\*Oct 9 04:16:55.004: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Read event,  
Read blocked, cursor 555  
\*Oct 9 04:16:55.004: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Read event,  
Message ready  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 4: 'POST'  
\*Oct 9 04:16:55.004: WA-CLNT : Ca1 [20.20.20.6 ] 50167 Client conn  
set authc ctx [0021.6a89.51ca] ioctx [3B00002E]  
\*Oct 9 04:16:55.004: HTTP: token [SPACE ] len 1: ' '  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.004: HTTP: token [SPACE ] len 1: ' '  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 4: 'HTTP'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 1: '1'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '.'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 1: '1'  
\*Oct 9 04:16:55.004: HTTP: token [CRLF ] len 2: '\\15\\12'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 6: 'Accept'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: ':'  
\*Oct 9 04:16:55.004: HTTP: token [SPACE ] len 1: ' '  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 5: 'image'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 4: 'jpeg'

\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.004: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 11: 'application'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 1: 'x'  
\*Oct 9 04:16:55.004: HTTP: token [OTHER ] len 1: '-'  
\*Oct 9 04:16:55.004: HTTP: token [STRING] len 2: 'ms'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '-'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 11: 'application'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 5: 'image'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 3: 'gif'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 11: 'application'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 4: 'xaml'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '+'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 3: 'xml'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 5: 'image'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 5: 'jpeg'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 11: 'application'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 1: 'x'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '-'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 2: 'ms'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '-'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 4: 'xbap'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ','  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '\*'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '\*'  
\*Oct 9 04:16:55.005: HTTP: token [CRLF ] len 2: '\n\n'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 4: 'User'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '-'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 5: 'Agent'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ':'  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 7: 'Mozilla'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '/'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 1: '4'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '.'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 1: '0'  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '('  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 10: 'compatible'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ';'   
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 4: 'MSIE'  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 1: '8'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: '.'  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 1: '0'  
\*Oct 9 04:16:55.005: HTTP: token [OTHER ] len 1: ';'   
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 7: 'Windows'  
\*Oct 9 04:16:55.005: HTTP: token [SPACE ] len 1: '  
\*Oct 9 04:16:55.005: HTTP: token [STRING] len 2: 'NT'



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*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 11: 'application'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '/'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 1: 'x'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 3: 'www'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 4: 'form'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 10: 'urlencoded'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 6: 'Accept'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 8: 'Encoding'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 4: 'gzip'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ','
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 7: 'deflate'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 4: 'Host'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 3: '192'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 3: '168'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 3: '200'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '.'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 1: '1'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 7: 'Content'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 6: 'Length'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: '52'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 10: 'Connection'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 4: 'Keep'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 5: 'Alive'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 5: 'Cache'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 7: 'Control'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'no'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 5: 'cache'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 6: 'Accept'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 8: 'Language'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: ':'
*Oct 9 04:16:55.006: HTTP: token [SPACE ] len 1: ' '
*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'en'
*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '-'
*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'US'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
*Oct 9 04:16:55.006: HTTP: token [CRLF ] len 2: '\15\12'
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\*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'au'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '\_'  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 10: 'pxytimetag'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '='  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 10: '1023410187'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '&'  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 7: 'consent'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '\_'  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 6: 'status'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '='  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 6: 'accept'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '&'  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'ok'  
\*Oct 9 04:16:55.006: HTTP: token [OTHER ] len 1: '='  
\*Oct 9 04:16:55.006: HTTP: token [STRING] len 2: 'OK'  
\*Oct 9 04:16:55.006: WA-HTTPD: Cal [20.20.20.6 ] 50167 Parse Consent  
POST, au\_pxytimetag [0x3D00000B]  
\*Oct 9 04:16:55.006: WA-HTTPD: Cal [20.20.20.6 ] 50167 Parse Consent  
POST, consent status [accept]  
\*Oct 9 04:16:55.006: WA-HTTPD: Cal [20.20.20.6 ] Convey consent result  
to SM, Attr mac: 0021.6a89.51ca  
**\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Authc success from  
WebAuth (3), status OK (0) / event success (0)**  
\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Highest prio method:  
INVALID, Authz method: INVALID, Conn hdl: webauth  
\*Oct 9 04:16:55.006: AUTH-EVENT: Raised event APPLY\_USER\_PROFILE (13) on handle  
0x10000016  
\*Oct 9 04:16:55.006: AUTH-EVENT: Raised event RX\_METHOD\_AUTHC\_SUCCESS (3)  
on handle 0x10000016  
\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Queued AUTHC SUCCESS  
from WebAuth for session 0x10000016 (0021.6a89.51ca)  
\*Oct 9 04:16:55.006: WA-HTTPD: Cal [20.20.20.6 ] Convey consent result  
to SM, [OK]  
**\*Oct 9 04:16:55.006: WA-STATE: Cal [20.20.20.6 ] State LOGIN ->  
AUTHC\_SUCCESS**  
\*Oct 9 04:16:55.006: WA-TIMER: Cal [20.20.20.6 ] State timer stop  
\*Oct 9 04:16:55.006: WA-IO : Cal [20.20.20.6 ] 50167/0 IO state  
READING -> AUTHENTICATING  
\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Received internal event  
APPLY\_USER\_PROFILE (handle 0x10000016)  
\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Clearing AAA data for:  
0021.6a89.51ca  
\*Oct 9 04:16:55.006: AUTH-SYNC: [0021.6a89.51ca, Cal] Delay add/update sync of  
username for 0021.6a89.51ca / 0x10000016  
\*Oct 9 04:16:55.006: AUTH-EVENT: [0021.6a89.51ca, Cal] Received User-Name  
0021.6a89.51ca for client 0021.6a89.51ca  
\*Oct 9 04:16:55.007: AUTH-SYNC: [0021.6a89.51ca, Cal] Delay add/update sync of  
auth-domain for 0021.6a89.51ca / 0x10000016  
\*Oct 9 04:16:55.007: AUTH-SYNC: [0021.6a89.51ca, Cal] Delay add/update sync of  
target-scope for 0021.6a89.51ca / 0x10000016  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Existing AAA ID: 0x00000015  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Client 0021.6a89.51ca,  
Method webauth changing state from 'Running' to 'Authc Success'  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Client 0021.6a89.51ca,  
Context changing state from 'Running' to 'Authc Success'  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Non-SM policy applied for  
0x10000016. Authz\_attrs not freed  
\*Oct 9 04:16:55.007: AUTH-EVENT: Handling client event RX\_METHOD\_AUTHC\_SUCCESS  
(3) for PRE, handle 0x10000016  
\*Oct 9 04:16:55.007: AUTH-SYNC: [0021.6a89.51ca, Cal] Delay add/update sync of method  
for 0021.6a89.51ca / 0x10000016  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] SM will not apply policy for  
RX\_METHOD\_AUTHC\_SUCCESS on 0x10000016 / 0021.6a89.51ca  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Processing default action(s)  
for event RX\_METHOD\_AUTHC\_SUCCESS for session 0x10000016.  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Cal] Executing default action

handler for AUTHC SUCCESS (0x10000016)  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Ca1] AUTHC\_SUCCESS -  
authorize by default  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Ca1] Signalling Authz success for  
client 0021.6a89.51ca  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Ca1] Client 0021.6a89.51ca,  
Context changing state from 'Authc Success' to 'Authz Success'  
\*Oct 9 04:16:55.007: AUTH-EVENT: [0021.6a89.51ca, Ca1] Processing SM CB request for  
0x10000016: Event: Authorize request (216)  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
received authentication response, status=0 AAA ID=0 protocol=0  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
Received message from webauth queue: 1  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
IOS Auth Event - Authentication Success!  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Final flag  
values are, epmSendAcl 1, epmSendAclDone 0  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca client  
incoming attribute size are 43  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
received RADIUS attr type 450  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Username  
entry (0021.6a89.51ca) created for mobile  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
Requesting post-auth policy application to EPM  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Send  
request to EPM  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca aaa  
attribute list length is 43  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Sending  
Activate request for session handle 268435477 successful  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Post-auth  
policy request sent! Now wait for post-auth policy ACK from EPM  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Setting the  
epmSendAclDone flag.  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change state  
to WEBAUTH\_NOL3SEC (14) last state WEBAUTH\_REQD (8)  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca  
PEM\_UPDATE\_STATE to RUN, EPM POLICY ACK not received yet, moving client to  
AUTHZ\_WAIT state  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change state  
to AUTHZ\_WAIT (19) last state WEBAUTH\_NOL3SEC (14)  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: wcdb\_is\_auth\_changed: Client  
in AUTHZ\_WAIT state, Not changing WCDB auth state  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Stopping  
deletion of Mobile Station: (callerId: 74)  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Session  
Timeout is 1800 - starting session timer for the mobile  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
AUTHZ\_WAIT (19) Reached PLUMBFASPATH: from line 4289  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
AUTHZ\_WAIT (19) Replacing Fast Path rule^M on AP c8f9.f983.4260 , slot 1 802.1P =  
0^M  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
AUTHZ\_WAIT (19) Successfully plumbed mobile rule  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WEBAUTH:  
callback status - authentication succeeded  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing msg  
Add SCB(3)  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6,  
auth\_state 19 mmRole Local !!!  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6,  
auth\_state 19 mmRole Local, updating wcdb not needed  
\*Oct 9 04:16:55.007: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Tclas Plumb  
needed: 0  
\*Oct 9 04:16:55.008: AUTH-EVENT: Raising ext evt Template Deactivated (10) on

session 0x10000015, client (unknown) (0), hdl 0x00000000, attr\_list 0x5A00033F  
\*Oct 9 04:16:55.008: AUTH-EVENT: SM will not send event Template Deactivated  
to PRE for 0x10000015  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Init feature, client  
handle 58b5800000001c session 10000015 authz 1f000015  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Activate feature  
client handle 58b5800000001c sess 10000015 authz 1f000015  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Policy  
enforcement - client handle 58b5800000001c session 7600000b authz 1f000015  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: EPM: Netflow policy  
enforcement - client handle 58b5800000001c sess 7600000b authz 1f000015 msg\_type 0  
policy\_status 0 attr len 0  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing msg  
Epm spi response(12)  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
activate\_features\_resp for client handle 24969359310979100  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
activate\_features\_resp for EPM session handle 268435477  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing msg Epm  
spi response(12)  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
policy\_enforcement\_response for client handle 24969359310979100  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
policy\_enforcement\_response for EPM session handle 1979711499  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
response for \_EPM\_SPI\_ACTIVATE\_FEATURES request sent for client  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Received  
\_EPM\_SPI\_STATUS\_SUCCESS for request sent for client  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Post-auth  
policy ACK recvd from EPM, unset flag on MSCB  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Client in  
AUTHZ\_WAIT state, advance to RUN  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Change  
state to RUN (20) last state AUTHZ\_WAIT (19)  
\*Oct 9 04:16:55.008: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca  
WCDB\_CHANGE: Client 1 m\_vlan 20 Radio iif id 0x6025800000000e bssid iif id  
0x498f800000001b, bssid c8f9.f983.4260  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_AUTH:  
Adding opt82 len 0  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_LLM:  
prev Mob state 1 curr Mob State 1 llReq flag 0  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca auth state 4  
mob state 1 setWme 0 wme 1 roam\_sent 0  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca WCDB\_CHANGE:  
auth=RUN(4) vlan 20 radio 1 client\_id 0x58b5800000001c mobility=Local(1) src\_int  
0x45e7800000000c dst\_int 0x0 ackflag 2 reassoc\_client 0 llm\_notif 0 ip 20.20.20.6  
ip\_learn\_type DHCP  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
RUN (20) Reached PLUMBFASPATH: from line 3862  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
RUN (20) Replacing Fast Path rule^M on AP c8f9.f983.4260 , slot 1 802.1P = 0^M  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6  
RUN (20) Successfully plumbed mobile rule  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: PEM rcv processing msg  
Add SCB(3)  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6,  
auth\_state 20 mmRole Local !!!  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca 20.20.20.6,  
auth\_state 20 mmRole Local, updating wcdb not needed  
\*Oct 9 04:16:55.009: %IOSXE-7-PLATFORM: 1 process wcm: 0021.6a89.51ca Tclas Plumb  
needed: 0  
\*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Authz complete (SUCCESS)  
for client 0021.6a89.51ca/0x10000016 reported  
\*Oct 9 04:16:55.010: AUTH-EVENT: Raised event AUTHZ\_SUCCESS (10) on handle  
0x10000016  
\*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Received internal event

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AUTHZ_SUCCESS (handle 0x10000016)
*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Processing AUTHZ_CB RESULT
(success) for 0x10000016
*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Processing SM CB request for
0x10000016: Event: Authz result processed (215)
*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Authz result processed,
result: 0
*Oct 9 04:16:55.010: WA-SM : Ca1 [20.20.20.6 ] AAA result procd,
[SUCCESS] [NO FAILURE], info hdl 3D00000B, SM hdl 10000016
*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] SM Reauth Plugin:
Client authz change, result=Success
*Oct 9 04:16:55.010: AUTH-EVENT: [0021.6a89.51ca, Ca1] Signalling Authz complete
(success) for client 0x10000016
*Oct 9 04:16:55.010: WA-HTTPD: Ca1 [20.20.20.6 ] 50167/0 AAA result [7],
info hdl 3D00000B
*Oct 9 04:16:55.010: WA-AAA : Ca1 [20.20.20.6 ] 50167/0 AAA reply
Successful
*Oct 9 04:16:55.010: WA-STATE: Ca1 [20.20.20.6 ] State
AUTHC_SUCCESS -> HTTP_FIN_WAIT
*Oct 9 04:16:55.010: WA-TIMER: Ca1 [20.20.20.6 ] FIN-wait timer
start (3 secs)
*Oct 9 04:16:55.011: WA-PAGE : Ca1 [20.20.20.6 ] 50167 Sending Consent
logout page, logout [https://192.168.200.1/logout.html] final [-]
*Oct 9 04:16:55.011: WA-IO : Ca1 [20.20.20.6 ] 50167/0 IO state
AUTHENTICATING -> WRITING
*Oct 9 04:16:55.011: WA-IO : Ca1 [20.20.20.6 ] 50167/0 Write event,
buffer addr 0x97577F9C, length 1567, cursor 0
*Oct 9 04:16:55.011: WA-IO : Ca1 [20.20.20.6 ] 50167/0 IO state
WRITING -> END
*Oct 9 04:16:55.011: WA-HTTPD: Ca1 [20.20.20.6 ] 50167/0 Remove IO
ctx and close socket,
id [3B00002E]
*Oct 9 04:16:55.011: WA-HTTPD: Ca1 [20.20.20.6 ] 50167/0 Remove IO
ctx - Closed SSL connection
*Oct 9 04:16:55.011: WA-CLNT : Ca1 [20.20.20.6 ] 50167 Client conn
timer start [0021.6a89.51ca] ioctx [3B00002E]
*Oct 9 04:16:55.017: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:55.017: WA-QLFY : Ca1 [20.20.20.6 ] Ingress qlfy,
Session found, ACL in-place, mac [0021.6a89.51ca], intercept
*Oct 9 04:16:55.017: WA-INFT : Ca1 [20.20.20.6 ] 50167 TCP FIN,
dport 443
*Oct 9 04:16:58.010: WA-TIMER: Ca1 [20.20.20.6 ] FIN-wait timer timeout
*Oct 9 04:16:58.010: WA-STATE: Ca1 [20.20.20.6 ] State
HTTP_FIN_WAIT -> AUTHZ
*Oct 9 04:16:58.010: WA-ACL : Ca1 [20.20.20.6 ] Remove IPv4
intecept ACL via FFM, name
"IP-Adm-V4-Int-ACL-global", pri 50, IIF 58B5800000001C
*Oct 9 04:16:58.011: WA-ACL : Ca1 [20.20.20.6 ] Remove IPv6
intecept ACL via FFM, name
"IP-Adm-V6-Int-ACL-global", pri 52, IIF 58B5800000001C
*Oct 9 04:16:58.011: WA-ACL : Ca1 [20.20.20.6 ] Add IPv4 logout
ACL via FFM, name
"IP-Adm-V4-LOGOUT-ACL-1027", pri 51, IIF 58B5800000001C
*Oct 9 04:17:01.354: WA-CLNT : [20.20.20.6 ] 50164 Client conn
timer exp [0021.6a89.51ca] ioctx [6B00002B]
*Oct 9 04:17:01.354: WA-CLNT : [20.20.20.6 ] 50164 Client conn
del [0021.6a89.51ca] ioctx [6B00002B] #3
*Oct 9 04:17:03.623: WA-CLNT : [20.20.20.6 ] 50165 Client conn timer exp
[0021.6a89.51ca] ioctx [AB00002C]
*Oct 9 04:17:03.623: WA-CLNT [20.20.20.6 ] 50165 Client conn del
[0021.6a89.51ca] ioctx [AB00002C] #2
*Oct 9 04:17:04.971: WA-CLNT : [20.20.20.6 ] 50166 Client conn
timer exp [0021.6a89.51ca] ioctx [E300002D]
*Oct 9 04:17:04.971: WA-CLNT : [20.20.20.6 ] 50166 Client conn
del [0021.6a89.51ca] ioctx [E300002D] #1

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\*Oct 9 04:17:05.012: WA-CLNT : [20.20.20.6  
[0021.6a89.51ca] ioctx [3B00002E]  
\*Oct 9 04:17:05.012: WA-CLNT : [20.20.20.6 ] 50167 Client conn  
del [0021.6a89.51ca] ioctx [3B00002E] #0

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