

有聚合的访问配置示例的Unified访问无线局域网控制器访客锚点

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简介

本文描述如何配置5508/5760系列无线局域网控制器(WLCs)，并且无线客户端访客锚点的Catalyst 3850系列交换机在新的移动性部署设置5508系列WLC作为移动性锚点的地方，并且Catalyst 3850系列交换机作为客户端的一个移动性外国控制器。另外，Catalyst 3850系列交换机作为作为一个移动性控制器Catalyst 3850系列交换机获取接入点(AP)许可证的移动性代理程序对5760系列WLC。

[先决条件](#)

[要求](#)

Cisco 建议您在尝试进行此配置之前了解下列主题：

- Cisco IOS GUI或CLI用聚合的访问5760和3650系列WLCs和Catalyst 3850系列交换机
- 与5508系列WLC的GUI和CLI访问
- 服务集标识(SSID)配置
- Web验证

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Cisco 5760版本3.3.3 (下一代配线间[NGWC])
- Catalyst 3850系列交换机
- Cisco 5508系列WLC版本7.6.120
- Cisco 3602系列轻量AP
- Cisco Catalyst 3560 系列交换机

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

配置

Note:使用[命令查找工具](#)（[仅限注册用户](#)）可获取有关本部分所使用命令的详细信息。

网络图

5508系列WLC作为锚点控制器，并且Catalyst 3850系列交换机作为一个外国控制器和从移动性控制器5760获取许可证的移动性代理程序。

Note:在网络图中，5508系列WLC作为锚点控制器，5760系列WLC作为移动性控制器，并且Catalyst 3850系列交换机作为移动性代理程序和外国WLC。这时，Catalyst 3850系列交换机的锚点控制器是5760系列WLC或5508系列WLC。因为双锚点不工作，两个不可以同时是锚点。

配置

配置包括三部分：

[第1部分-在5508锚点WLC的配置](#)

[第2部分-在5508/5760系列WLC和Catalyst 3850系列交换机之间的聚合的访问移动性配置](#)

[第3部分-在外国Catalyst 3850系列交换机的配置](#)

第1部分-在5508锚点WLC的配置

1. 在5508系列WLC，在WLAN >New的翱翔为了创建新的无线局域网(WLAN)。

2. 在WLAN > WLAN的翱翔编辑> Security >第3层启用的Web验证为了配置第3层安全。

3. 做锚点地址本地地在WLAN移动性锚点配置窗口下为了添加5508系列WLC作为锚点。

4. 在安全> Webauth > Webauth页盘旋为了配置将用于客户端验证Webauth页。

在本例中，WLC内部Webauth页选择：

5. 创建一个本地净用户。用户在Webauth页使用此用户名/密码对，当提示。

第2部分-在5508/5760系列WLC和Catalyst 3850系列交换机之间的聚合的访问移动性配置

1. 在5508系列WLC，请添加5760系列WLC作为移动性对等体。

2. 在5760系列WLC，作为移动性控制器，请添加5508系列WLC作为移动性对等体。

3. 此步骤是非常重要的!添加Catalyst 3850系列交换机作为在5760系列WLC的移动性代理程序在交换机对等组选项卡下在移动管理下。

4. 在Catalyst 3850系列交换机上，请添加5760系列WLC作为移动性控制器。一旦执行此，Catalyst 3850系列交换机获取从移动性控制器5760的AP coult许可证。

第 3 部分：在外国Catalyst 3850系列交换机的配置

1. 翱翔在GUI > Configuration>无线> WLAN >New为了配置在Catalyst 3850系列交换机的确切的SSID/WLAN。

2. 在WLAN > WLAN的翱翔编辑> Security >第3层启用的Web验证为了配置第3层安全。

3. 添加5508系列WLC IP地址作为锚点在WLAN移动性锚点配置下

验证

使用本部分可确认配置能否正常运行。

联络客户端对WLAN Cisco Unified无线网络(CUWN)。这是工作流程：

1. 客户端收到IP地址。
2. 客户端打开浏览器并且访问所有网站。
3. 客户端发送的第一TCP数据包由WLC劫机，并且WLC拦截并且发送Webauth页。
4. 如果DNS适当地配置，客户端获得Webauth页。
5. 客户端必须提供用户名/密码为了得到验证。
6. 在成功认证以后，客户端重定向对原始访问页。

7. 在客户端以后提供正确凭证，客户端通过验证。

故障排除

为了排除故障您的配置，请输入在5508系列WLC的这些调试，作为访客锚点：

```
Debug Client <client mac addr>  
Debug web-auth redirect enable mac <client mac addr>  
示例如下：
```

```
Debug Client 00:17:7C:2F:B6:9A  
Debug web-auth redirect enable mac 00:17:7C:2F:B6:9A
```

```
show debug
```

```
MAC Addr 1..... 00:17:7C:2F:B6:9A
```

```
Debug Flags Enabled:  
dhcp packet enabled.  
dot11 mobile enabled.  
dot11 state enabled  
dot1x events enabled.  
dot1x states enabled.  
FlexConnect ft enabled.  
pem events enabled.  
pem state enabled.  
CCKM client debug enabled.  
webauth redirect enabled.
```

```
*mmMaListen: May 19 13:36:34.276: 00:17:7c:2f:b6:9a Adding mobile on Remote AP  
00:00:00:00:00:00(0)
```

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a override for default ap group, marking intgrp NULL

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a Applying Interface policy on Mobile, role Unassociated. Ms NAC State 2 Quarantine Vlan 0 Access Vlan 0

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a Re-applying interface policy for client

***mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 START (0) Changing IPv4 ACL 'none' (ACL ID 255) ==> 'none' (ACL ID 255) --- (caller apf_policy.c:2219)**

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 START (0) Changing IPv6 ACL 'none' (ACL ID 255) ==> 'none' (ACL ID 255) --- (caller apf_policy.c:2240)

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a apfApplyWlanPolicy: Apply WLAN Policy over PMIPv6 Client Mobility Type

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a override from intf group to an intf for roamed client - removing intf group from msch

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 AUTHCHECK (2) Change state to L2AUTHCOMPLETE (4) last state AUTHCHECK (2)

***mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 L2AUTHCOMPLETE (4) Change state to DHCP_REQD (7) last state L2AUTHCOMPLETE (4)**

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a Resetting web IPv4 acl from 255 to 255

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a Resetting web IPv4 Flex acl from 65535 to 65535

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a Stopping deletion of Mobile Station: (callerId: 53)

***mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Adding Fast Path rule type = Airespace AP - Learn IP address**
on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
IPv4 ACL ID = 255, IPv

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...) 802.1P = 0, DSCP = 0, TokenID = 15206 Local Bridging Vlan = 60, Local Bridging intf id = 13

*mmMaListen: May 19 13:36:34.277: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Successfully plumbed mobile rule (IPv4 ACL ID 255, IPv6 ACL ID 255, L2 ACL ID 255)

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) State Update from Mobility-Incomplete to Mobility-Complete, mobility role=ExpAnchor, client state=APF_MS_STATE_ASSOCIATED

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Change state to DHCP_REQD (7) last state DHCP_REQD (7)

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) pemAdvanceState2 5807, Adding TMP rule

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Replacing Fast Path rule
type = Airespace AP - Learn IP address
on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
IPv4 ACL ID = 255,

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...) 802.1P = 0, DSCP = 0, TokenID = 15206 Local Bridging Vlan = 60, Local Bridging intf id = 13

*mmMaListen: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7) Successfully plumbed mobile rule (IPv4 ACL ID 255, IPv6 ACL ID 255, L2 ACL ID 255)

*pemReceiveTask: May 19 13:36:34.278: 00:17:7c:2f:b6:9a Set bi-dir guest tunnel for 00:17:7c:2f:b6:9a as in Export Anchor role

*pemReceiveTask: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 Added NPU entry of type 9, dtlFlags 0x4

*pemReceiveTask: May 19 13:36:34.278: 00:17:7c:2f:b6:9a Sent an XID frame

*pemReceiveTask: May 19 13:36:34.278: 00:17:7c:2f:b6:9a Set bi-dir guest tunnel for 00:17:7c:2f:b6:9a as in Export Anchor role

*pemReceiveTask: May 19 13:36:34.278: 00:17:7c:2f:b6:9a 0.0.0.0 Added NPU entry of type 9, dtlFlags 0x4

*IPv6_Msg_Task: May 19 13:36:34.281: 00:17:7c:2f:b6:9a Pushing IPv6 Vlan Intf ID 13: fe80:0000:0000:0000:6c1a:b253:d711:0c7f , and MAC: 00:17:7C:2F:B6:9A , Binding to Data Plane. SUCCESS !! dhcpv6bitmap 0

*IPv6_Msg_Task: May 19 13:36:34.281: 00:17:7c:2f:b6:9a Calling mmSendIpv6AddrUpdate for addition of IPv6: fe80:0000:0000:0000:6c1a:b253:d711:0c7f , for MAC: 00:17:7C:2F:B6:9A

*IPv6_Msg_Task: May 19 13:36:34.281: 00:17:7c:2f:b6:9a mmSendIpv6AddrUpdate:4800 Assigning an IPv6 Addr fe80:0000:0000:0000:6c1a:b253:d711:0c7f to the client in Anchor state update the foreign switch 10.105.135.226

*IPv6_Msg_Task: May 19 13:36:34.281: 00:17:7c:2f:b6:9a Link Local address fe80::6c1a:b253:d711:c7f updated to mscb. Not Advancing pem state.Current state: mscb in apfMsMmInitial mobility state and client state APF_MS_STATE_AS

*mmMaListen: May 19 13:36:34.298: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7)
Replacing Fast Path rule
type = Airespace AP - Learn IP address
on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
IPv4 ACL ID = 255,

*mmMaListen: May 19 13:36:34.298: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7)
Fast Path rule (contd...) 802.1P = 0, DSCP = 0, TokenID = 15206 Local Bridging Vlan = 60, Local Bridging intf id = 13

*mmMaListen: May 19 13:36:34.298: 00:17:7c:2f:b6:9a 0.0.0.0 DHCP_REQD (7)
Successfully plumbed mobile rule (IPv4 ACL ID 255, IPv6 ACL ID 255, L2 ACL ID 255)

*pemReceiveTask: May 19 13:36:34.298: 00:17:7c:2f:b6:9a Set bi-dir guest tunnel for 00:17:7c:2f:b6:9a as in Export Anchor role

*pemReceiveTask: May 19 13:36:34.298: 00:17:7c:2f:b6:9a 0.0.0.0 Added NPU entry of type 9, dtlFlags 0x4

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a Static IP client associated to interface vlan60 which can support client subnet.

***dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a 60.60.60.11 DHCP_REQD (7)
Change state to WEBAUTH_REQD (8) last state DHCP_REQD (7)**

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_REQD (8)
pemAdvanceState2 6717, Adding TMP rule

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_REQD (8)
Replacing Fast Path rule
type = Airespace AP Client - ACL passthru
on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
IPv4 ACL

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_REQD (8)
Fast Path rule (contd...) 802.1P = 0, DSCP = 0, TokenID = 15206 Local Bridging Vlan = 60, Local Bridging intf id = 13

***dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_REQD (8)
Successfully plumbed mobile rule (IPv4 ACL ID 255, IPv6 ACL ID 255, L2 ACL ID 255)**

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a Plumbing web-auth redirect rule due to user logout

*dtlArpTask: May 19 13:36:34.564: 00:17:7c:2f:b6:9a apfAssignMscbIpAddr:1148
Assigning an Ip Addr 60.60.60.11 to the client in Anchor state update the foreign switch 10.105.135.226

*dtlArpTask: May 19 13:36:34.565: 00:17:7c:2f:b6:9a Assigning Address 60.60.60.11 to mobile

*pemReceiveTask: May 19 13:36:34.565: 00:17:7c:2f:b6:9a Set bi-dir guest tunnel for 00:17:7c:2f:b6:9a as in Export Anchor role

*pemReceiveTask: May 19 13:36:34.565: 00:17:7c:2f:b6:9a 60.60.60.11 Added NPU entry of type 2, dtlFlags 0x4

*pemReceiveTask: May 19 13:36:34.565: 00:17:7c:2f:b6:9a Pushing IPv6: fe80:0000:0000:0000:6c1a:b253:d711:0c7f , and MAC: 00:17:7C:2F:B6:9A , Binding to Data Plane. SUCCESS !!

*pemReceiveTask: May 19 13:36:34.565: 00:17:7c:2f:b6:9a Sent an XID frame

```
(5508-MC) >
(5508-MC) >*DHCP Socket Task: May 19 13:36:44.259: 00:17:7c:2f:b6:9a DHCP received
op BOOTREQUEST (1) (len 314,vlan 0, port 1, encap 0xec07)
*Dhcp Socket Task: May 19 13:36:44.259: 00:17:7c:2f:b6:9a DHCP (encap type 0xec07)
mstype 3ff:ff:ff:ff:ff:ff
*Dhcp Socket Task: May 19 13:36:44.259: 00:17:7c:2f:b6:9a DHCP selecting relay 1 -
control block settings:
    dhcpServer: 0.0.0.0, dhcpNetmask: 0.0.0.0,
    dhcpGateway: 0.0.0.0, dhcpRelay: 0.0.0.0 VLAN: 0
*Dhcp Socket Task: May 19 13:36:44.259: 00:17:7c:2f:b6:9a DHCP selected relay 1 -
60.60.60.251 (local address 60.60.60.2, gateway 60.60.60.251, VLAN 60, port 1)
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP transmitting DHCP
REQUEST (3)
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP op: BOOTREQUEST,
htype: Ethernet, hlen: 6, hops: 1
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP xid: 0xad00ada3
(2902502819), secs: 3072, flags: 0
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP chaddr:
00:17:7c:2f:b6:9a
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP ciaddr: 0.0.0.0,
yiaddr: 0.0.0.0
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP siaddr: 0.0.0.0,
giaddr: 60.60.60.2
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP requested ip:
60.60.60.11
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP sending REQUEST to
60.60.60.251 (len 358, port 1, vlan 60)
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP selecting relay 2 -
control block settings:
    dhcpServer: 0.0.0.0, dhcpNetmask: 0.0.0.0,
    dhcpGateway: 0.0.0.0, dhcpRelay: 60.60.60.2 VLAN: 60
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP selected relay 2 -
NONE (server address 0.0.0.0,local address 0.0.0.0, gateway 60.60.60.251, VLAN 60,
port 1)
*Dhcp Socket Task: May 19 13:36:44.260: 00:17:7c:2f:b6:9a DHCP received op BOOTREPLY
(2) (len 308,vlan 60, port 1, encap 0xec00)
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP setting server from ACK
(server 60.60.60.251, yiaddr 60.60.60.11)
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP transmitting DHCP
ACK (5)
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP op: BOOTREPLY, htype:
Ethernet, hlen: 6, hops: 0
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP xid: 0xad00ada3
(2902502819), secs: 0, flags: 0
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP chaddr:
00:17:7c:2f:b6:9a
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP ciaddr: 0.0.0.0,
yiaddr: 60.60.60.11
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP siaddr: 0.0.0.0,
giaddr: 0.0.0.0
*Dhcp Socket Task: May 19 13:36:44.261: 00:17:7c:2f:b6:9a DHCP server id:
192.168.200.1 rcvd server id: 60.60.60.251
*webauthRedirect: May 19 13:36:47.678: 0:17:7c:2f:b6:9a- received connection

*webauthRedirect: May 19 13:36:47.680: captive-bypass detection disabled, Not
checking for wispr in HTTP GET, client mac=0:17:7c:2f:b6:9a
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Preparing redirect
URL according to configured Web-Auth type
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Checking custom-web
config for WLAN ID:4
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- unable to get the hostName
for virtual IP, using virtual IP =192.168.200.1
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Global status is enabled,
checking on web-auth type
```

*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Web-auth type Internal, no further redirection needed. Presenting default login page to user
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- http_response_msg_body1 is <HTML><HEAD><TITLE> Web Authentication Redirect</TITLE><META http-equiv="Cache-control" content="no-cache"><META http-equiv="Pragma" content="n
*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- http_response_msg_body2 is "></HEAD></HTML>

***webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- parser host is www.facebook.com**

*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- parser path is /

***webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- added redirect=, URL is now https://192.168.200.1/login.html?**

***webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- str1 is now https://192.168.200.1/login.html?redirect=www.facebook.com/**

*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- clen string is Content-Length: 312

***webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Message to be sent is HTTP/1.1 200 OK**

Location: https://192.168.200.1/login.html?redirect=www.facebook.com/

Content-Type: text/html

Content-Length: 312

<HTML><HEAD

*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- send data length=448

*webauthRedirect: May 19 13:36:47.680: 0:17:7c:2f:b6:9a- Web-auth type External, but unable to get URL

*webauthRedirect: May 19 13:36:47.681: 0:17:7c:2f:b6:9a- received connection

*emWeb: May 19 13:36:48.731: SSL Connection created for MAC:0:17:7c:2f:b6:9a

*webauthRedirect: May 19 13:36:51.795: 0:17:7c:2f:b6:9a- received connection

*webauthRedirect: May 19 13:36:51.795: captive-bypass detection disabled, Not checking for wispr in HTTP GET, client mac=0:17:7c:2f:b6:9a

*webauthRedirect: May 19 13:36:51.795: 0:17:7c:2f:b6:9a- Preparing redirect URL according to configured Web-Auth type

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- Checking custom-web config for WLAN ID:4

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- unable to get the hostName for virtual IP, using virtual IP =192.168.200.1

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- Global status is enabled, checking on web-auth type

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- Web-auth type Internal, no further redirection needed. Presenting default login page to user

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- http_response_msg_body1 is <HTML><HEAD><TITLE> Web Authentication Redirect</TITLE><META http-equiv="Cache-control" content="no-cache"><META http-equiv="Pragma" content="n

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- http_response_msg_body2 is "></HEAD></HTML>

***webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- parser host is www.facebook.com**

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- parser path is /favicon.ico

***webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- added redirect=, URL is now https://192.168.200.1/login.html?**

***webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- str1 is now https://192.168.200.1/login.html?redirect=www.facebook.com/favicon.ico**

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- clen string is Content-Length: 323


```
*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- Message to be sent is
HTTP/1.1 200 OK
Location: https://192.168.200.1/login.html?redirect=www.facebook.com/favicon.ico
Content-Type: text/html
Content-Length: 323

*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- send data length=470
*webauthRedirect: May 19 13:36:51.796: 0:17:7c:2f:b6:9a- Web-auth type External,
but unable to get URL
*DHCP Socket Task: May 19 13:37:03.905: 00:17:7c:2f:b6:9a DHCP received op
BOOTREQUEST (1) (len 308,vlan 0, port 1, encap 0xec07)
*DHCP Socket Task: May 19 13:37:03.905: 00:17:7c:2f:b6:9a DHCP (encap type 0xec07)
mstype 3ff:ff:ff:ff:ff:ff
*DHCP Socket Task: May 19 13:37:03.905: 00:17:7c:2f:b6:9a DHCP selecting relay 1 -
control block settings:
    dhcpServer: 60.60.60.251, dhcpNetmask: 255.255.255.0,
    dhcpGateway: 60.60.60.251, dhcpRelay: 60.60.60.2 VLAN: 60

*emWeb: May 19 13:38:35.187:
ewaURLHook: Entering:url=/login.html, virtIp = 192.168.200.1, ssl_connection=1,
secureweb=1

*emWeb: May 19 13:38:35.199: WLC received client 0:17:7c:2f:b6:9a request for
Web-Auth page /login.html
*emWeb: May 19 13:38:35.199: WLC received client 0:17:7c:2f:b6:9a request for
Web-Auth page /login.html
*emWeb: May 19 13:38:47.215:
ewaURLHook: Entering:url=/login.html, virtIp = 192.168.200.1, ssl_connection=1,
secureweb=1

*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a Username entry (surbg)
created for mobile, length = 5
*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a Username entry (surbg)
created in mscb for mobile, length = 5
*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_REQD
(8) Change state to WEBAUTH_NOL3SEC (14) last state WEBAUTH_REQD (8)

*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a apfMsRunStateInc
*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a 60.60.60.11 WEBAUTH_NOL3SEC
(14) Change state to RUN (20) last state WEBAUTH_NOL3SEC (14)

*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a Session Timeout is 0 -
not starting session timer for the mobile
*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a 60.60.60.11 RUN (20)
Reached PLUMBFASPATH: from line 6605
*ewmwebWebauth1: May 19 13:38:47.216: 00:17:7c:2f:b6:9a 60.60.60.11 RUN (20)
Replacing Fast Path rule
    type = Airespace AP Client
    on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
    IPv4 ACL ID = 255, IPv6 ACL ID =
```

这是客户端数据包捕获。

客户端获得IP地址。

客户端打开浏览器并且键入www.facebook.com。

WLC拦截客户端的第一TCP数据包并且推送其虚拟IP地址和内部Webauth页。

在成功的Web验证以后，工作流程的其余完成。