

使用Cisco WLAN控制器的有線訪客存取組態範例

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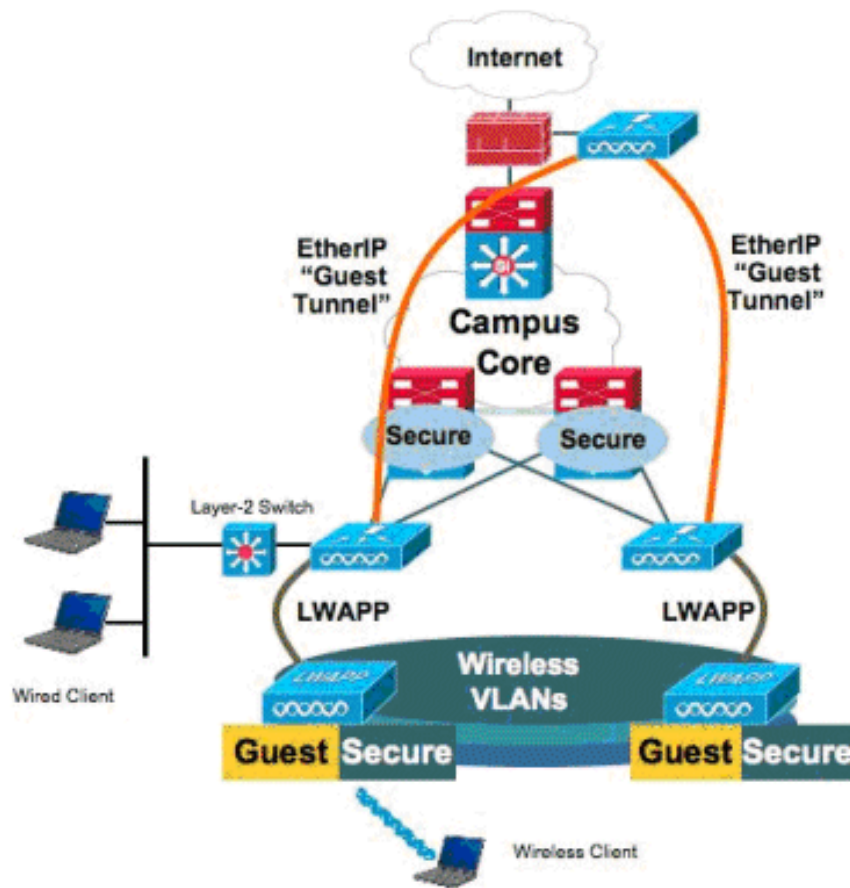
簡介

本檔案介紹如何在使用Cisco Unified Wireless Software 4.2.61.0版及更新版本的Cisco WLAN控制器(WLC)上使用新的有線訪客存取功能支援來設定訪客存取。越來越多的公司認識到在客戶、合作夥伴和顧問訪問其設施時需要為其提供Internet接入。IT經理可以為位於同一無線LAN控制器上的訪客提供有線和無線安全且受控的網際網路訪問。

必須允許訪客使用者在完成配置的身份驗證方法後，連線到指定的乙太網埠並訪問管理員配置的訪客網路。無線訪客使用者可以使用目前的訪客存取功能輕鬆連線到WLAN控制器。此外，無線控制系統(WCS)以及WLAN控制器的基本配置和管理都提供增強的訪客使用者服務。對於已經部署或計畫在其網路中部署WLAN控制器和WCS的客戶，他們可以利用相同的基礎設施進行有線訪客接入。這為終端使用者提供了統一的無線和有線訪客接入體驗。

有線訪客埠位於指定位置，並插入接入交換機。存取交換器上的組態會將這些連線埠納入其中一個有線訪客第2層VLAN。客戶可使用兩種不同的解決方案：

- 單個WLAN控制器 (VLAN轉換模式) — 接入交換機將訪客VLAN中的有線訪客流量中繼到提供有線訪客接入解決方案的WLAN控制器。此控制器執行從輸入有線訪客VLAN到輸出VLAN的VLAN轉換。
- 兩個WLAN控制器 (自動錨點模式) — 存取交換器將有線訪客流量中繼到本地WLAN控制器 (最接近存取交換器的控制器)。此本地WLAN控制器將客戶端錨定到為有線和無線訪客訪問配置的隔離區(DMZ)錨點WLAN控制器。在成功將使用者端移轉到DMZ錨點控制器後，會在DMZ WLC中處理DHCP IP位址分配、使用者端的驗證等。完成驗證後，使用者端可以傳送/接收流量。



必要條件

需求

本文件沒有特定需求。

採用元件

思科統一無線軟體4.2.61.0版及更新版本支援思科WLAN控制器上的有線訪客接入功能支援。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

設定

本節提供用於設定本文件中所述功能的資訊。

接入層交換機配置

為了提供有線訪客接入，管理員需要在訪客VLAN上配置第2層接入層交換機中的指定埠。訪客VLAN必須與此交換器上設定的任何其他VLAN分開。訪客VLAN流量以中繼方式連線到最近的WLAN本地控制器。本地控制器會透過Ethernet over IP(EoIP)通道將訪客流量通道連線到DMZ錨點控制器。此解決方案至少需要兩個控制器。

或者，存取交換器將訪客VLAN中繼到單一控制器，並將訪客VLAN轉換為WLAN控制器的輸出介面。

```
cat6506# show vlan id 49
```

```
VLAN Name                Status    Ports
-----
49    VLAN0049                active    Gi2/1, Gi2/2, Gi2/4, Gi2/35
                                           Gi2/39, Fa4/24

VLAN Type  SAID      MTU   Parent  RingNo  BridgeNo  Stp   BrdgMode  Trans1  Trans2
-----
49    enet     100049   1500   -       -         -     -         0       0

Remote SPAN VLAN
-----
Disabled

Primary Secondary Type          Ports
-----
```

```
cat6506#
interface FastEthernet4/24
  description Wired Guest Access
  switchport
  switchport access vlan 49
  no ip address
end
cat6506#
interface GigabitEthernet2/4
  description Trunk port to the WLC
  switchport
  switchport trunk native vlan 80
  switchport trunk allowed vlan 49,80,110
  switchport mode trunk
  no ip address
end
```

註：使用[Command Lookup Tool](#)(僅供註冊客戶使用)查詢有關本文檔中使用的命令的詳細資訊。

有線訪客部署要點

- 目前，有線訪客存取支援五個訪客LAN。在錨點WLC上總共可設定16個無線使用者的WLAN和5個有線訪客存取的WLAN。WLAN不存在單獨的隧道。所有訪客WLAN (包括有線訪客存取的WLAN) 使用與錨點WLC相同的EoIP通道。
- 管理員需要在WLAN控制器中建立動態介面，將其標籤為「訪客LAN」，然後將其與作為訪客LAN建立的WLAN相關聯。
- 確保錨點和遠端控制器上的WLAN配置 (包括身份驗證) 完全相同，以傳遞客戶端流量。
- WLC應該具有相容的軟體版本。確保它們運行相同的主要版本。
- Web驗證是有線訪客LAN上可用的預設安全機制。目前可用的選項包括：Open、Web Auth和Web Passthrough。
- 如果遠端和錨點WLC之間的EoIP通道發生故障，則從錨點WLC清除使用者端資料庫。使用者端需要重新關聯並重新驗證。
- 不支援第2層安全性。
- 有線訪客LAN上的多點傳送/廣播流量會遭到捨棄。

- 錨點和遠端控制器上的DHCP代理設定必須相同。

對於有線訪客，控制器中執行閒置逾時。如果在設定的期間內沒有收到來自使用者端的封包，系統就會將使用者端從控制器中移除。下次使用者端傳送位址解析通訊協定(ARP)要求時，系統會建立一個新的使用者端專案，並根據安全組態適當移至Web驗證/執行狀態。

平台支援

以下平台支援有線訪客存取：

- Cisco WLC 4402、4404、WiSM、3750G、5508、WiSM2、虛擬WLC

無線LAN組態

在此範例中，假設無線LAN控制器的基本組態。重點是完成有線訪客接入實施所需的額外配置。

1. 建立一個動態介面並將其標籤為「訪客LAN」。在當前版本中建立此動態介面時，需要提供IP地址和預設網關，即使它不是第2層VLAN;您無需提供任何DHCP地址。有線訪客使用者端以實體方式連線到此VLAN。

The screenshot shows the Cisco WLC configuration interface for a wired VLAN. The page is titled "Interfaces > Edit" and displays the configuration for the "wired-vlan-49" interface. The configuration is organized into several sections:

- General Information:** Interface Name: wired-vlan-49, MAC Address: 00:18:b9:ea:a7:23
- Interface Address:** VLAN Identifier: 49, IP Address: 10.10.49.2, Netmask: 255.255.255.0, Gateway: 10.10.49.1
- Physical Information:** Port Number: 1, Backup Port: 0, Active Port: 1, Enable Dynamic AP Management:
- Configuration:** Quarantine: , Guest Lan:
- DHCP Information:** Primary DHCP Server: , Secondary DHCP Server:
- Access Control List:** ACL Name: none

A note at the bottom states: "Note: Changing the Interface parameters causes the WLANs to be temporarily disabled and thus may result in loss of connectivity for some clients."

2. 建立另一個動態介面，讓有線訪客使用者端接收到IP位址。附註：您需要在此介面中提供IP地址/預設網關/DHCP伺服器地址。

The screenshot shows the Cisco Controller configuration page for interface 110. The page is titled "Interfaces > Edit" and is divided into several sections:

- General Information:** Interface Name: 110, MAC Address: 00:18:b9:ea:a7:23
- Interface Address:** VLAN Identifier: 110, IP Address: 10.10.110.2, Netmask: 255.255.255.0, Gateway: 10.10.110.1
- Physical Information:** Port Number: 1, Backup Port: 0, Active Port: 1, Enable Dynamic AP Management:
- Configuration:** Quarantine: , Guest Lan:
- DHCP Information:** Primary DHCP Server: 10.10.110.1, Secondary DHCP Server: (empty)
- Access Control List:** ACL Name: none

A note at the bottom states: "Note: Changing the Interface parameters causes the WLANs to be temporarily disabled and thus may result in loss of connectivity for some clients."

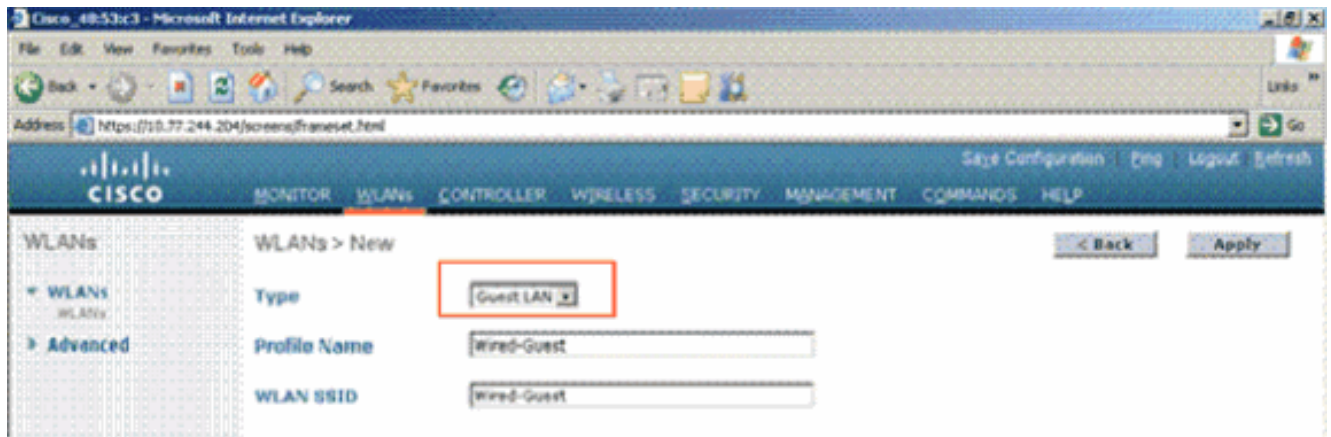
3. 以下是動態介面

:

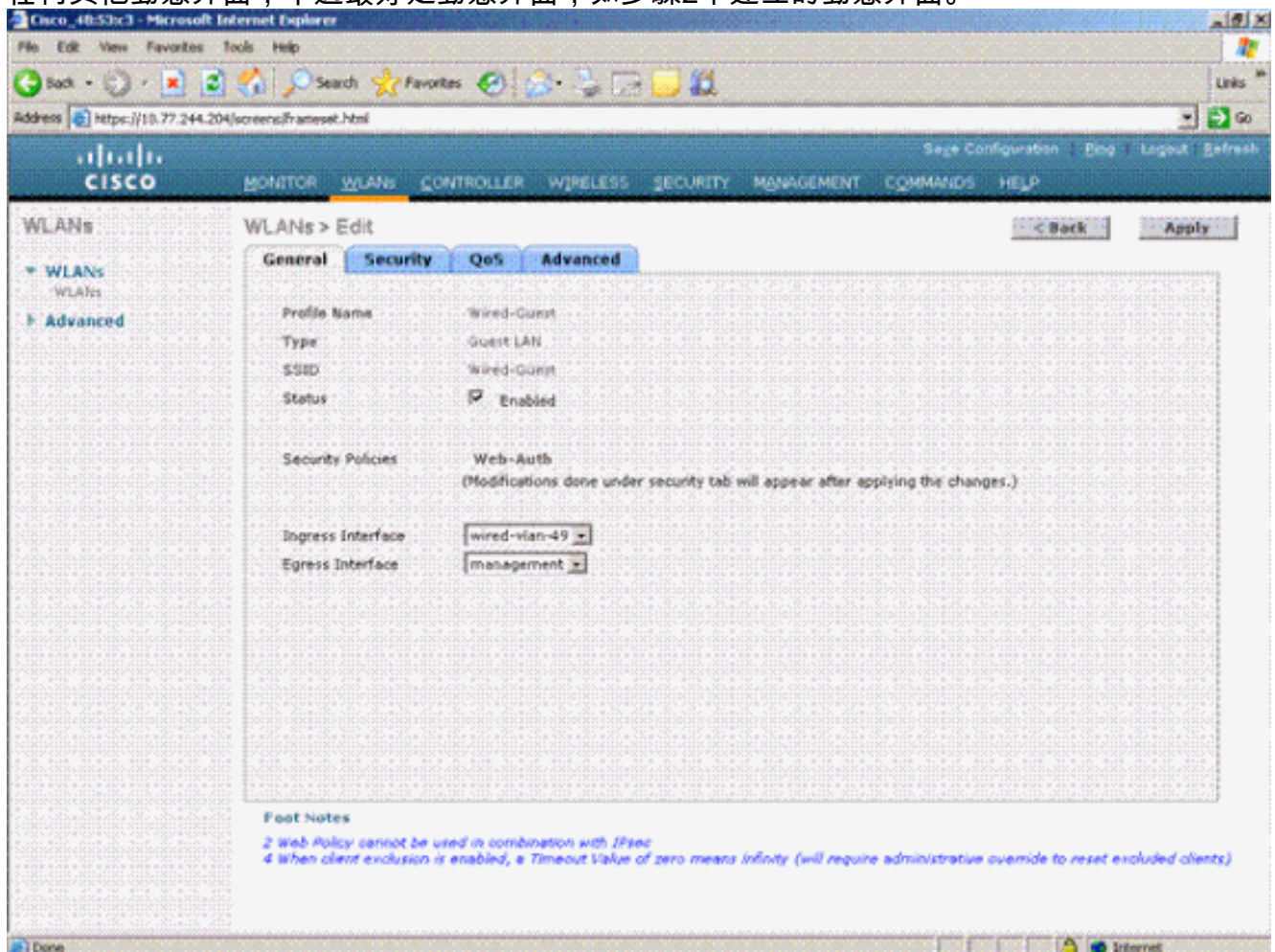
The screenshot shows the Cisco Controller configuration page for the "Interfaces" section. The page displays a table of interfaces:

Interface Name	VLAN Identifier	IP Address	Interface Type	Dynamic AP Management
110	110	10.10.110.2	Dynamic	Disabled <input type="checkbox"/>
ap-manager	untagged	10.10.80.4	Static	Enabled
management	untagged	10.10.80.3	Static	Not Supported
service-port	N/A	0.0.0.0	Static	Not Supported
virtual	N/A	1.1.1.1	Static	Not Supported
wired-vlan-49	49	10.10.49.2	Dynamic	Disabled <input type="checkbox"/>

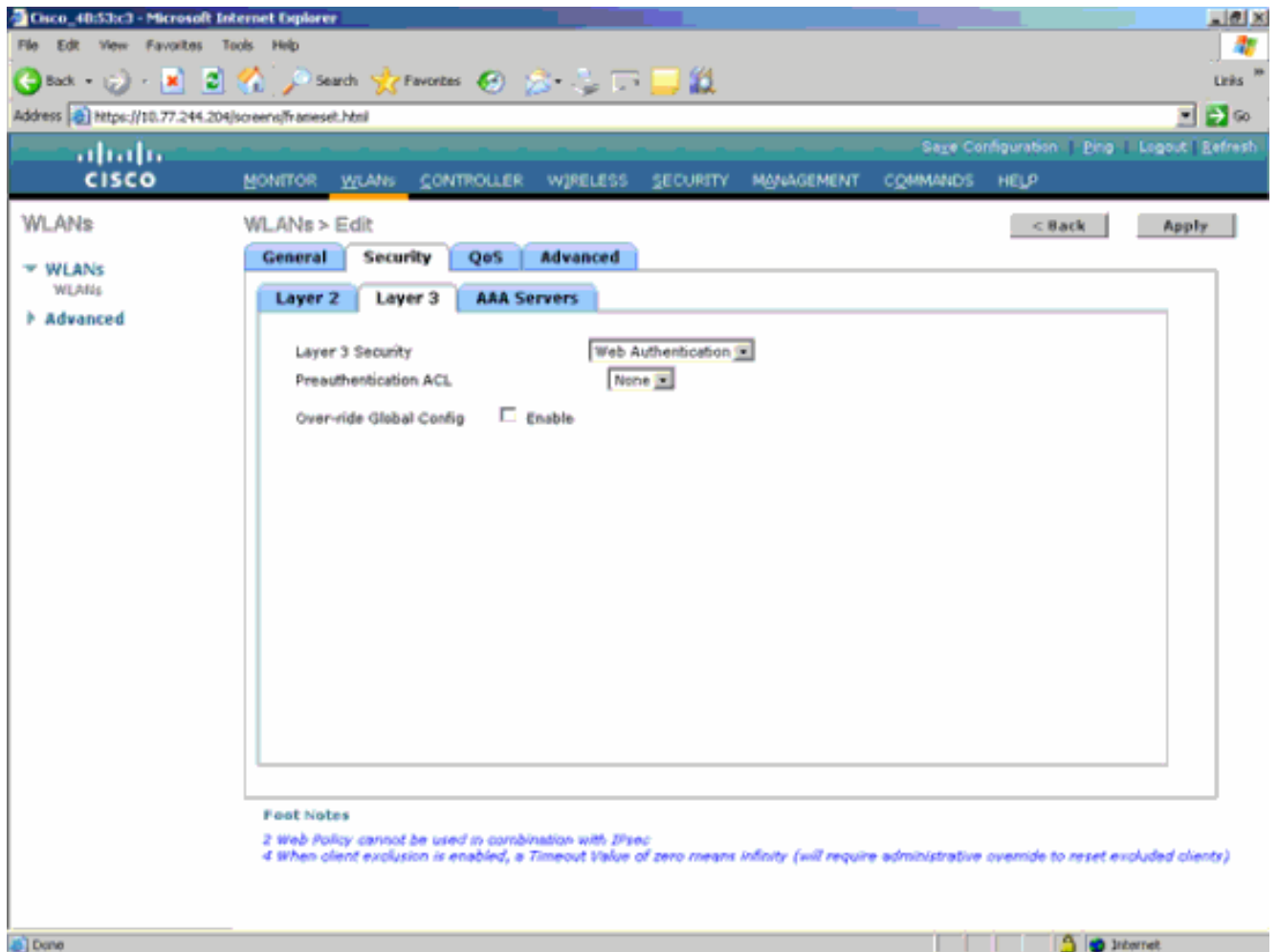
4. 新增一個WLAN:Type=訪客LAN。



5. 啟用WLAN;將輸入介面對映到步驟1中建立的「訪客LAN」，並且輸出介面可以是管理介面或任何其他動態介面，不過最好是動態介面，如步驟2中建立的動態介面。



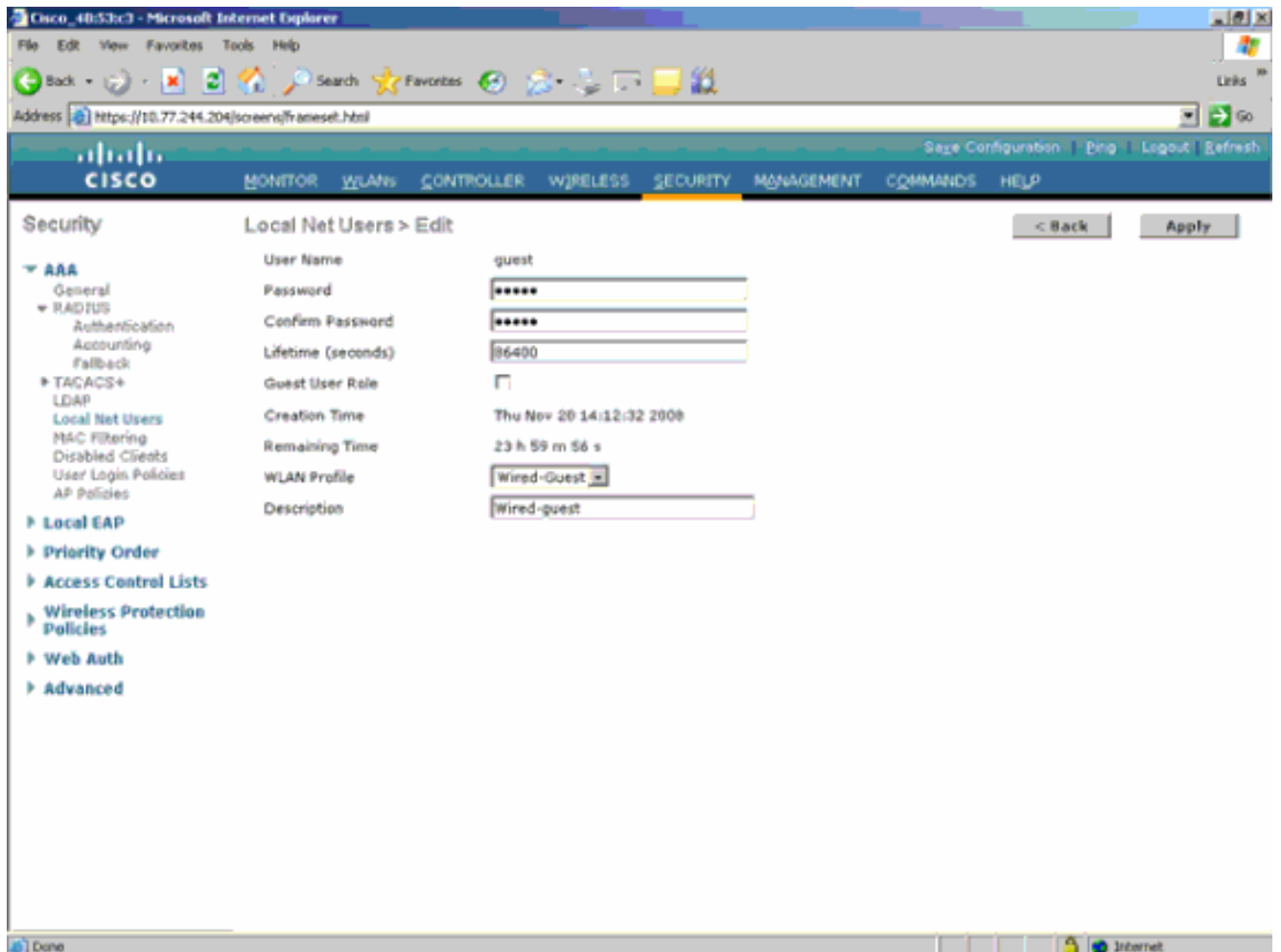
6. Web驗證預設為在訪客LAN上設定的安全選項啟用。可變更為None或Web Passthrough。



7. 這是WLAN的最終配置。



8. 在WLC的本地資料庫中新增訪客使用者。

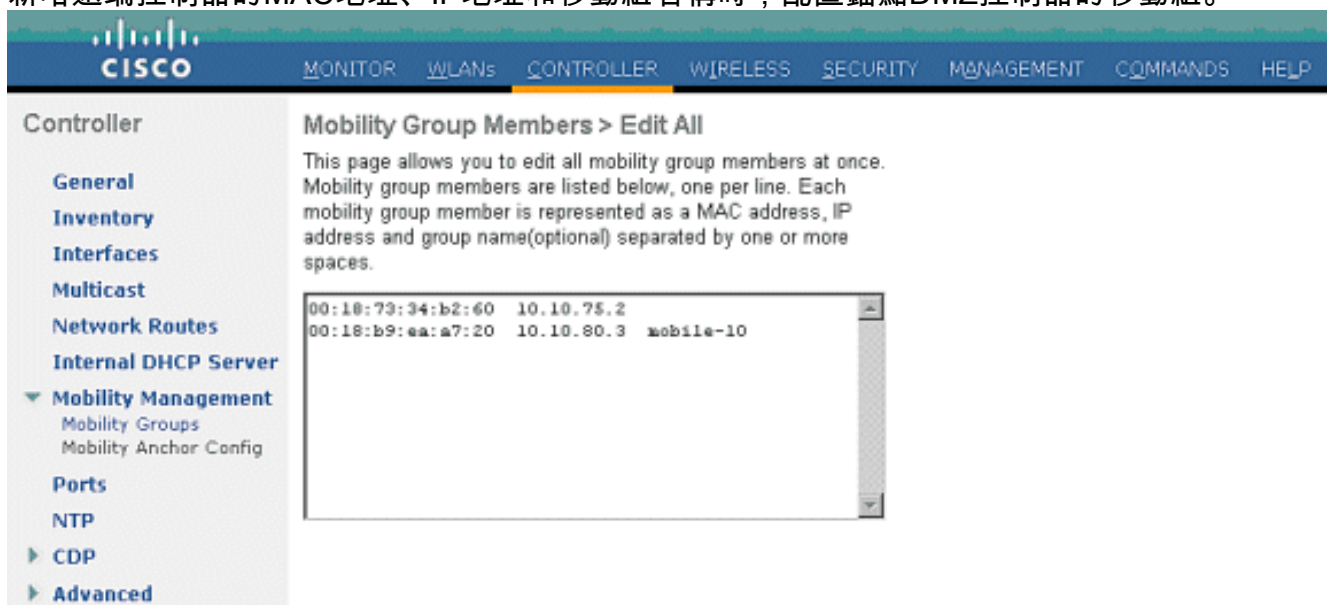


在外部，您需要將輸入設定為設定的「訪客LAN」。在出口處，您需要將其設定為某個介面，可能是管理介面。但是，一旦EoIP隧道建立，它就會自動通過隧道傳送流量，而不是管理地址。

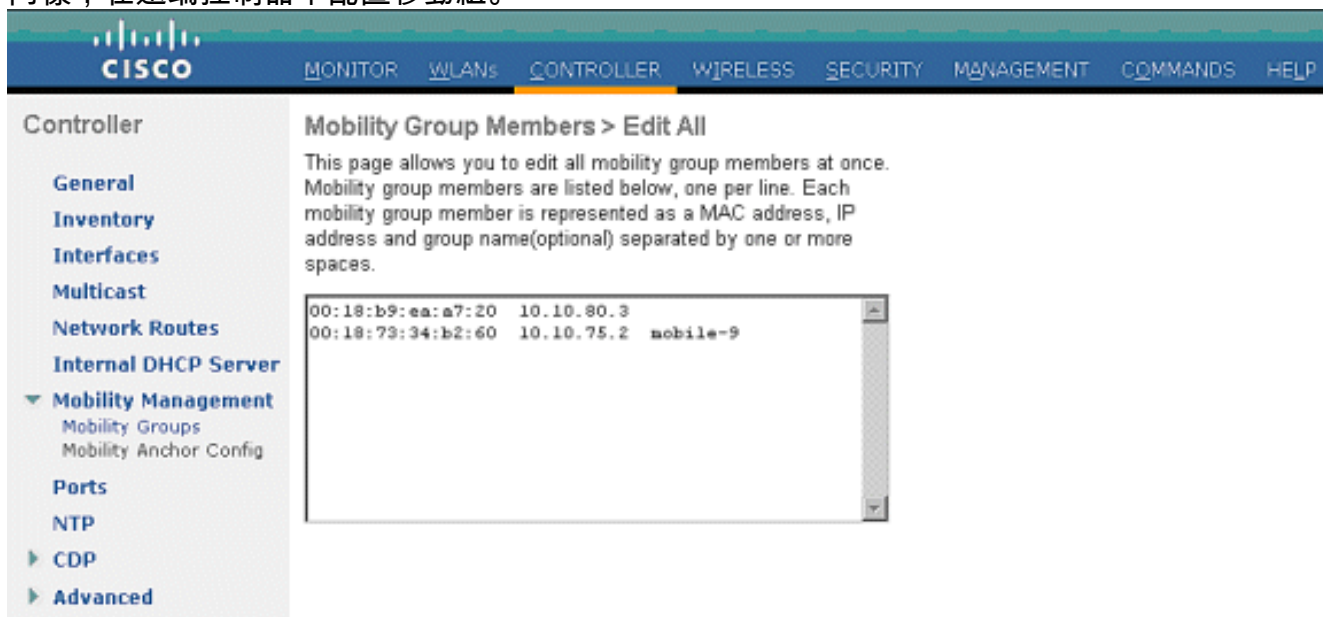
使用錨點WLAN控制器的有線訪客存取

在本示例中，遠端無線LAN控制器的IP地址為10.10.80.3，錨點DMZ控制器的IP地址為10.10.75.2。兩者均屬於兩個不同的移動組。

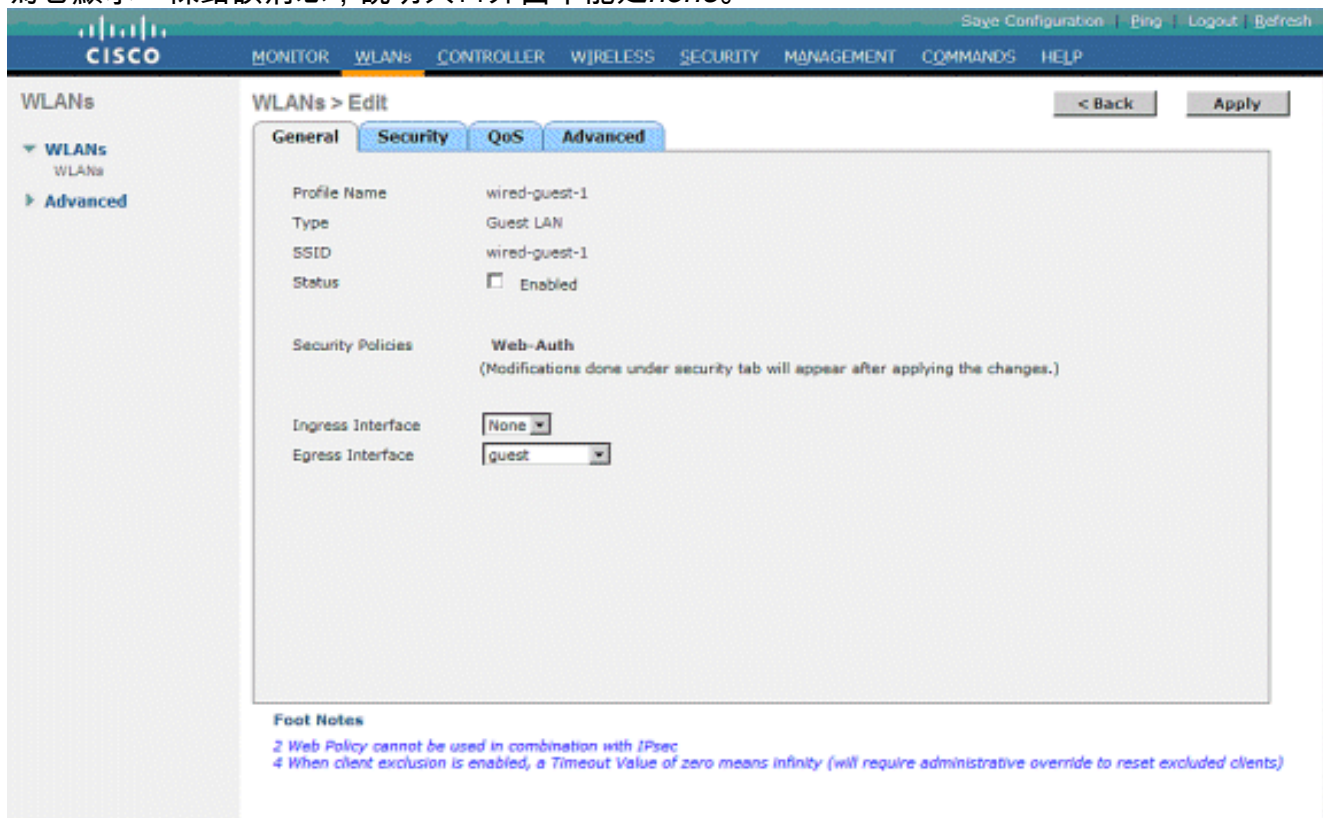
1. 新增遠端控制器的MAC地址、IP地址和移動組名稱時，配置錨點DMZ控制器的移動組。



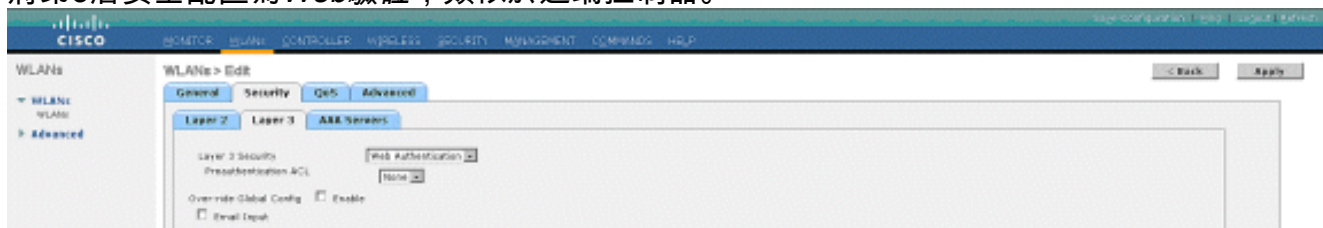
2. 同樣，在遠端控制器中配置移動組。



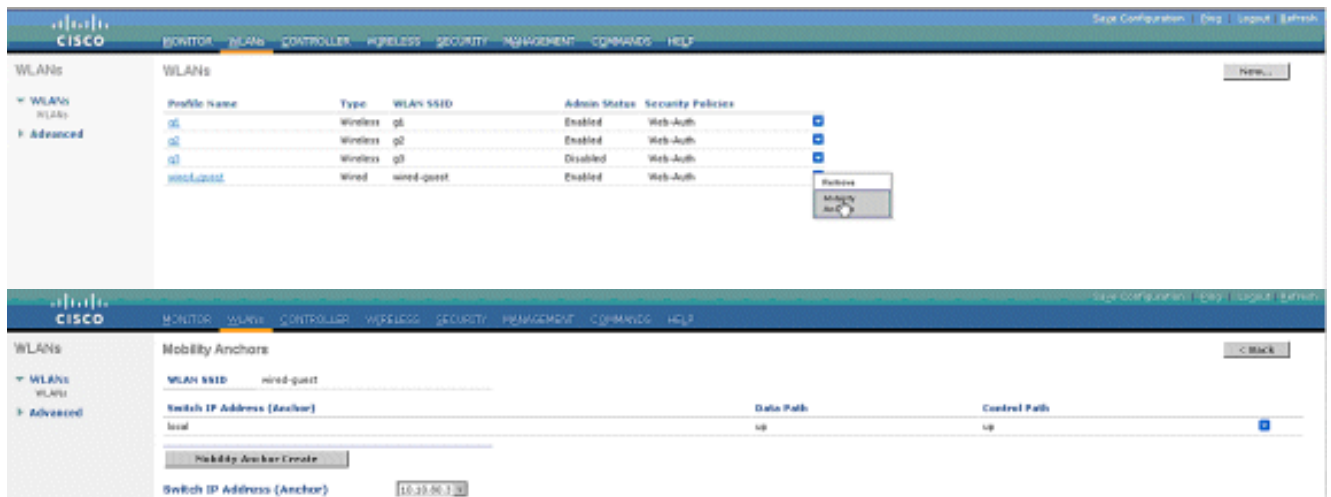
3. 使用錨點WLC中的確切名稱建立有線WLAN。此案例中的輸入介面為「無」，因為輸入介面在邏輯上是來自遙控器的EoIP通道。輸出介面是另一個介面，有線客戶端通過該介面接收IP地址。在此範例中，建立一個稱為*guest*的動態介面。但是，在這個階段，您無法啟用WLAN，因為它顯示一條錯誤消息，說明入口介面不能是*none*。



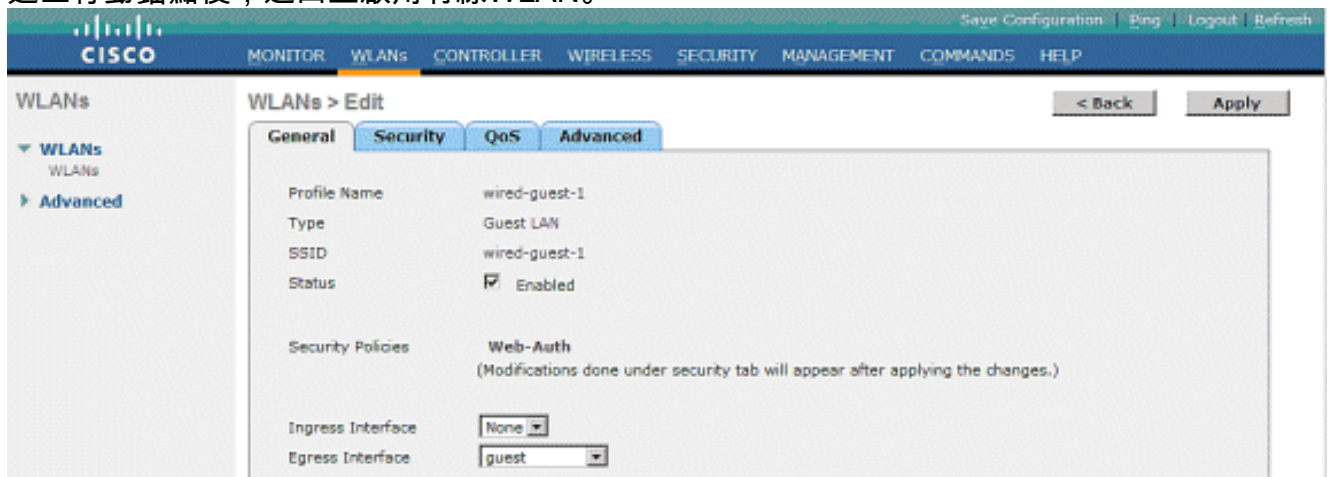
4. 將第3層安全配置為Web驗證，類似於遠端控制器。



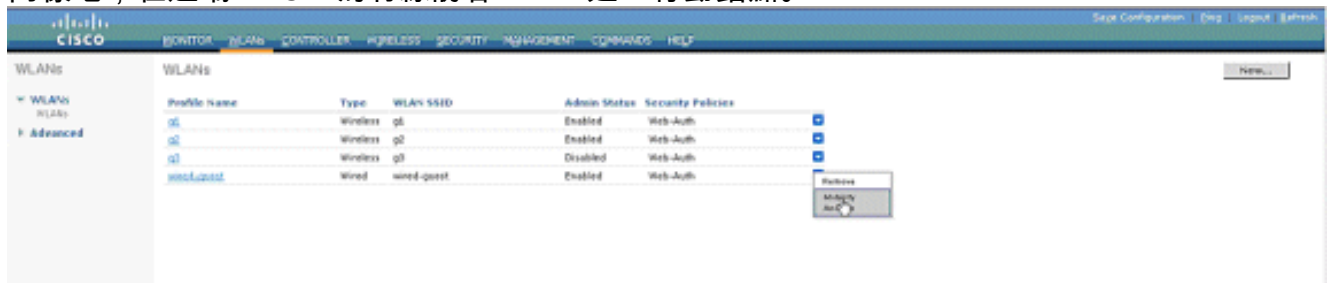
5. 在錨點控制器上建立移動錨點，並將其對映到其自身。



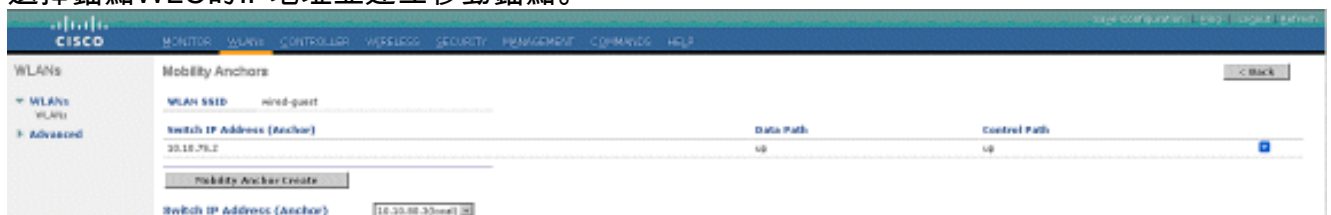
6. 建立行動錨點後，返回並啟用有線WLAN。



7. 同樣地，在遠端WLC上為有線訪客WLAN建立行動錨點。



選擇錨點WLC的IP地址並建立移動錨點。



檢查資料和控制路徑是否為up。如果沒有，請確保錨點和遠端無線LAN控制器之間的這些埠是開啟的：UDP 16666或IP 97。

8. 有線訪客使用者連線到交換機並完成Web身份驗證後，策略管理器狀態必須為RUN，並且移動角色為Export Foreign。

The screenshot shows the Cisco WLC Monitor interface. The left sidebar contains navigation options: Monitor, Summary, Access Points, Statistics, CDP, Rogues, Clients, and Multicast. The main content area is titled 'Clients > Detail' and includes buttons for '< Back', 'Apply', 'Link Test', and 'Remove'. It is divided into two columns: 'Client Properties' and 'AP Properties'.

Client Properties		AP Properties	
MAC Address	00:0d:60:5e:ca:62	AP Address	Unknown
IP Address	0.0.0.0	AP Name	N/A
Client Type	Regular	AP Type	Unknown
User Name		WLAN Profile	wired-guest-1
Port Number	1	Status	Associated
Interface	110	Association ID	0
VLAN ID	110	802.11 Authentication	Open System
CCX Version	Not Supported	Reason Code	0
E2E Version	Not Supported	Status Code	0
Mobility Role	Export Foreign	CF Pollable	Not Implemented
Mobility Peer IP Address	10.10.75.2	CF Poll Request	Not Implemented
Policy Manager State	RUN	Short Preamble	Not Implemented
Mirror Mode	<input type="button" value="Disable"/>	PBCC	Not Implemented
Management Frame Protection	No	Channel Agility	Not Implemented
		Timeout	0

同樣地，檢查錨點WLC中的狀態。策略管理器狀態必須為RUN，並且移動角色為匯出錨點。

This screenshot is similar to the first one, showing the Cisco WLC Monitor interface for a different client. The 'Client Properties' and 'AP Properties' tables are updated with the following information:

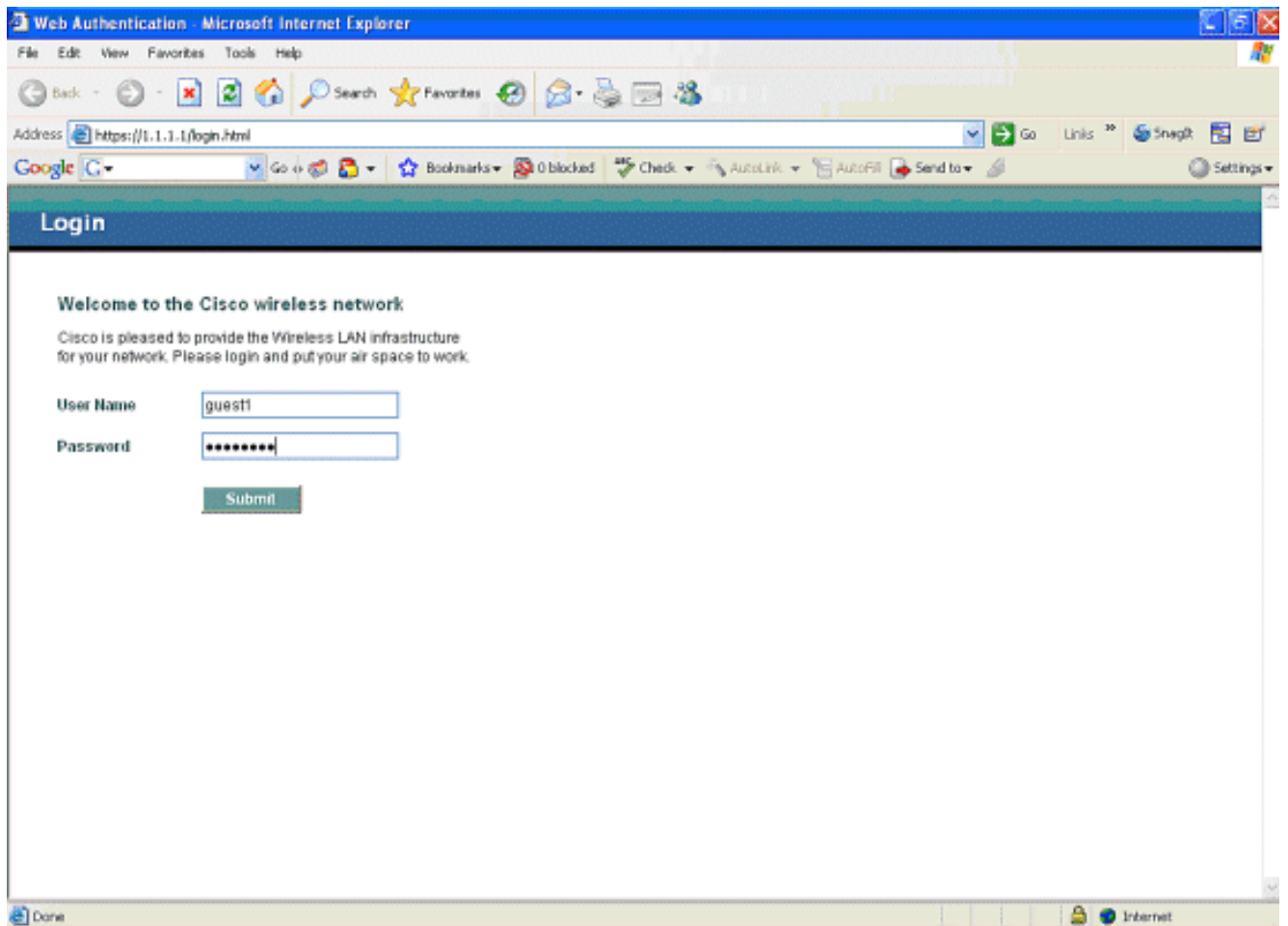
Client Properties		AP Properties	
MAC Address	00:0d:60:5e:ca:62	AP Address	Unknown
IP Address	10.10.77.11	AP Name	10.10.80.3
Client Type	Regular	AP Type	Mobile
User Name	guest	WLAN Profile	wired-guest-1
Port Number	1	Status	Associated
Interface	guest	Association ID	0
VLAN ID	77	802.11 Authentication	Open System
CCX Version	Not Supported	Reason Code	0
E2E Version	Not Supported	Status Code	0
Mobility Role	Export Anchor	CF Pollable	Not Implemented
Mobility Peer IP Address	10.10.80.3	CF Poll Request	Not Implemented
Policy Manager State	RUN	Short Preamble	Not Implemented
Mirror Mode	<input type="button" value="Disable"/>	PBCC	Not Implemented
Management Frame Protection	No	Channel Agility	Not Implemented
		Timeout	0

有線訪客使用者端組態

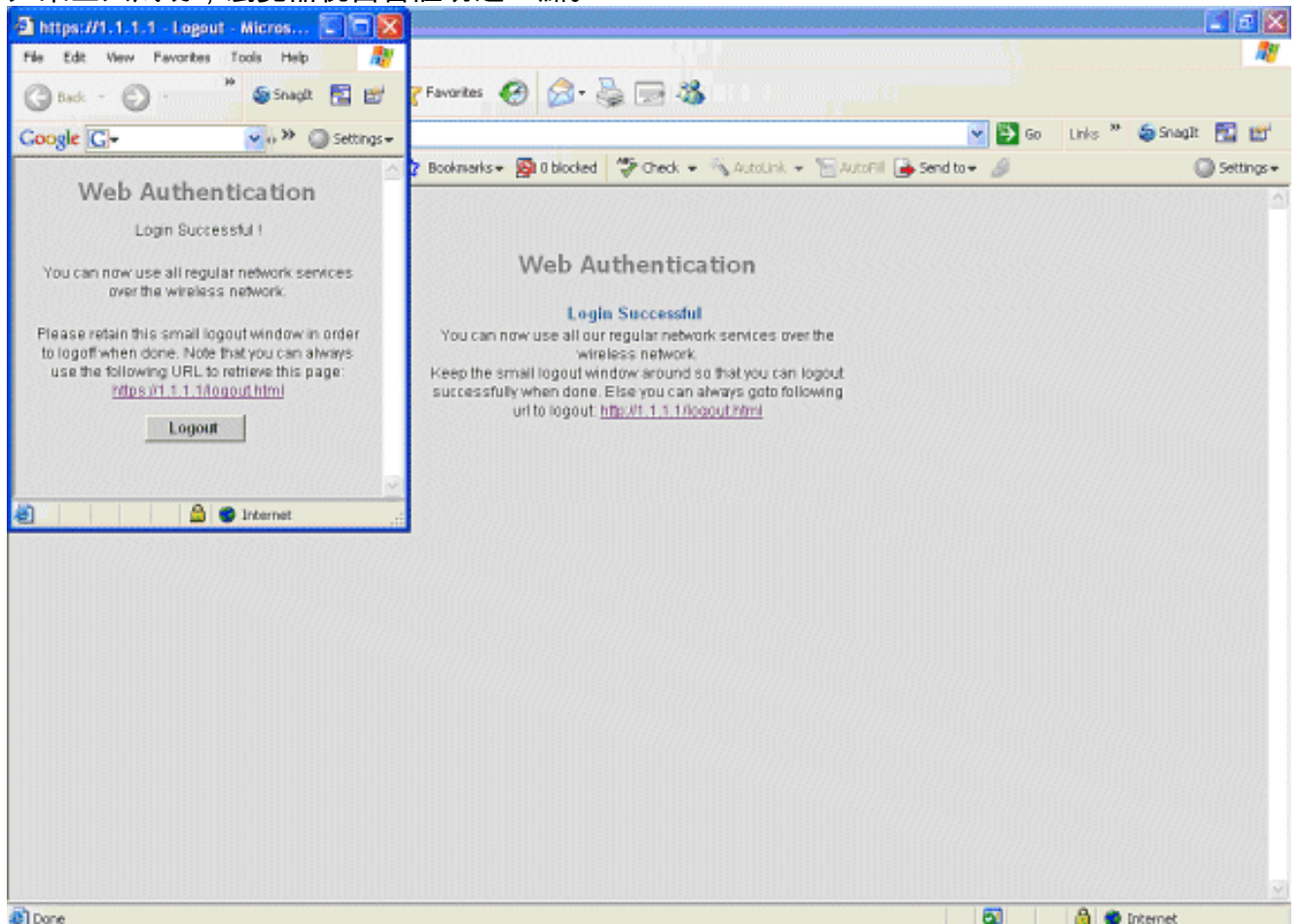
有線訪客使用者端收到來自輸出VLAN的IP位址，但在其完成Web驗證程式之前，無法傳遞任何流量。

要以訪客使用者身份登入，請執行以下步驟：

1. 開啟瀏覽器視窗並輸入所需的URL名稱(例如www.cisco.com)。如果已啟用Web驗證，則訪客將被重新導向到無線LAN控制器的預設網頁，且可對輸入的URL完成DNS解析。否則，請輸入此URL:https://1.1.1.1/login.html，其中IP地址1.1.1.1是無線LAN控制器的虛擬IP地址。



2. 輸入提供的使用者名稱和密碼。
3. 如果登入成功，瀏覽器視窗會註明這一點。



本地WLC上有線訪客連線的調試

此偵錯會提供與有線訪客使用者端相關的所有資訊。

debug client

```
Cisco Controller) >show debug
MAC address ..... 00:0d:60:5e:ca:62
Debug Flags Enabled:
  dhcp packet enabled.
  dot11 mobile enabled.
  dot11 state enabled
  dot1x events enabled.
  dot1x states enabled.
  pem events enabled.
  pem state enabled.

(Cisco Controller) >Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62
  Adding mobile on Wired Guest 00:00:00:00:00:00(0)
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62
  apfHandleWiredGuestMobileStation
  (apf_wired_guest.c:121) Changing state for mobile
00:0d:60:5e:ca:62 on AP 00:00:00:
00:00:00 from Idle to Associated
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62 0.0.0.0 START (0)
  Initializing policy
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62 0.0.0.0 START (0)
  Change state to AUTHCHECK (2) last state AUTHCHECK (2)
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62 0.0.0.0 AUTHCHECK (2)
  Change state to L2AUTHCOMPLETE (4) last state L2AUTHCOMPLETE (4)
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62 0.0.0.0 L2AUTHCOMPLETE (4)
  Change state to DHCP_REQD (7) last state DHCP_REQD (7)
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62
  apfPemAddUser2 (apf_policy.c:209) Changing state for mobile
  00:0d:60:5e:ca:62 on AP 00:00:00:00:00:00 from Associated to Associated
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62 Session Timeout is 0 -
  not starting session timer for the mobile
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62
  Stopping deletion of Mobile Station: (callerId: 48)
Tue Sep 11 13:27:42 2007: 00:0d:60:5e:ca:62
Wired Guest packet from 10.10.80.252 on mobile
Tue Sep 11 13:27:43 2007: 00:0d:60:5e:ca:62
  Wired Guest packet from 10.10.80.252 on mobile
Tue Sep 11 13:27:43 2007: 00:0d:60:5e:ca:62
  Orphan Packet from 10.10.80.252
Tue Sep 11 13:27:43 2007: 00:0d:60:5e:ca:62
  Wired Guest packet from 169.254.20.157 on mobile
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62
  Wired Guest packet from 169.254.20.157 on mobile
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62 0.0.0.0
DHCP_REQD (7) State Update from Mobility-Incomplete
to Mobility-Complete, mobility role=Local
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62 0.0.0.0
  DHCP_REQD (7) pemAdvanceState2 3934, Adding TMP rule
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62 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 ACL Id = 255,
Jumbo Frames = NO, 802.1P = 0, DSCP = 0, TokenID = 5006
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62 0.0.0.0 DHCP_REQD
(7) Successfully plumbed mobile rule (ACL ID 255)
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62
Installing Orphan Pkt IP address 169.254.20.157 for station
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62
Unsuccessfully installed IP address 169.254.20.157 for station
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62
0.0.0.0 Added NPU entry of type 9
Tue Sep 11 13:27:44 2007: 00:0d:60:5e:ca:62
Sent an XID frame
Tue Sep 11 13:27:45 2007: 00:0d:60:5e:ca:62
Wired Guest packet from 169.254.20.157 on mobile
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP received op BOOTREQUEST (1) (len 310, port 1, encap 0xec00)
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
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
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
**DHCP selected relay 1 - 10.10.110.1(local address 10.10.110.2,
gateway 10.10.110.1, VLAN 110, port 1)**
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP transmitting DHCP DISCOVER (1)
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP op: BOOTREQUEST, htype: Ethernet, hlen: 6, hops: 1
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP xid: 0x87214d01 (2267106561),secs: 0, flags: 8000
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP chaddr: 00:0d:60:5e:ca:62
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP ciaddr: 0.0.0.0, yiaddr: 0.0.0.0
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP siaddr: 0.0.0.0, giaddr: 10.10.110.2
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP requested ip:10.10.80.252
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP ARPing for 10.10.110.1 (SPA 10.10.110.2, vlanId 110)
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP selecting relay 2 - control block settings:
dhcpServer: 0.0.0.0, dhcpNetmask: 0.0.0.0,
dhcpGateway: 0.0.0.0, dhcpRelay: 10.10.110.2
VLAN: 110
Tue Sep 11 13:27:48 2007: 00:0d:60:5e:ca:62
DHCP selected relay 2 - NONE
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP received op BOOTREQUEST (1) (len 310, port 1, encap 0xec00)

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP selecting relay 1 - control block settings:
dhcpServer: 0.0.0.0, dhcpNetmask: 0.0.0.0,
dhcpGateway: 0.0.0.0, dhcpRelay: 10.10.110.2 VLAN: 110
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP selected relay 1 - 10.10.110.1(local address 10.10.110.2,
gateway 10.10.110.1, VLAN 110, port 1)
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP transmitting DHCP DISCOVER (1)
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP op: BOOTREQUEST, htype: Ethernet, hlen: 6, hops: 1
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP xid: 0x87214d01 (2267106561),secs: 36957, flags: 8000
Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP chaddr: 00:0d:60:5e:ca:62

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP ciaddr: 0.0.0.0, yiaddr: 0.0.0.0

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP siaddr: 0.0.0.0, giaddr: 10.10.110.2

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP requested ip: 10.10.80.252

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP sending REQUEST to 10.10.110.1 (len 350, port 1, vlan 110)

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP selecting relay 2 - control block settings:
dhcpServer: 0.0.0.0, dhcpNetmask: 0.0.0.0,
dhcpGateway: 0.0.0.0, dhcpRelay: 10.10.110.2 VLAN: 110

Tue Sep 11 13:27:51 2007: 00:0d:60:5e:ca:62
DHCP selected relay 2 - NONE

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP received op BOOTREPLY (2) (len 308, port 1, encap 0xec00)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP setting server from OFFER
(server 10.10.110.1, yiaddr 10.10.110.3)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP sending REPLY to Wired Client (len 350, port 1)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP transmitting DHCP OFFER (2)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP op: BOOTREPLY, htype: Ethernet, hlen: 6, hops: 0

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP xid: 0x87214d01 (2267106561), secs: 0, flags: 8000

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP chaddr: 00:0d:60:5e:ca:62

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP ciaddr: 0.0.0.0, yiaddr: 10.10.110.3

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP siaddr: 0.0.0.0, giaddr: 0.0.0.0

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP server id: 1.1.1.1 rcvd server id: 10.10.110.1

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP received op BOOTREQUEST (1) (len 334, port 1, encap 0xec00)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP selecting relay 1 - control block settings:
dhcpServer: 10.10.110.1, dhcpNetmask: 0.0.0.0,
dhcpGateway: 0.0.0.0, dhcpRelay: 10.10.110.2 VLAN: 110

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP selected relay 1 - 10.10.110.1(local address 10.10.110.2,
gateway 10.10.110.1, VLAN 110, port 1)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP transmitting DHCP REQUEST (3)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP op: BOOTREQUEST, htype: Ethernet, hlen: 6, hops: 1

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP xid: 0x87214d01 (2267106561),secs: 36957, flags: 8000

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP chaddr: 00:0d:60:5e:ca:62

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP ciaddr: 0.0.0.0, yiaddr: 0.0.0.0

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP siaddr: 0.0.0.0, giaddr: 10.10.110.2

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP requested ip: 10.10.110.3

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP server id: 10.10.110.1 rcvd server id: 1.1.1.1

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP sending REQUEST to 10.10.110.1(len 374, port 1, vlan 110)

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP selecting relay 2 - control block settings:

dhcpServer: 10.10.110.1, dhcpNetmask: 0.0.0.0,
dhcpGateway: 0.0.0.0, dhcpRelay: 10.10.110.2 VLAN: 110
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP selected relay 2 -NONE
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP received op BOOTREPLY (2) (len 308, port 1, encap 0xec00)
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
**10.10.110.3 DHCP_REQD (7) Change state to WEBAUTH_REQD
(8) last state WEBAUTH_REQD (8)**
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
10.10.110.3 WEBAUTH_REQD (8) pemAdvanceState2
4598, Adding TMP rule
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
**10.10.110.3 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
ACL Id = 255, Jumbo Frames = NO, 802.1P = 0, DSCP = 0, TokenID = 5006**
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
**10.10.110.3 WEBAUTH_REQD (8) Successfully
plumbed mobile rule (ACL ID 255)**
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
Plumbing web-auth redirect rule due to user logout
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
Adding Web RuleID 31 for mobile 00:0d:60:5e:ca:62
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
Assigning Address 10.10.110.3 to mobile
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP sending REPLY to Wired Client (len 350, port 1)
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP transmitting DHCP ACK (5)
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP op: BOOTREPLY, htype: Ethernet, hlen: 6, hops: 0
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP xid: 0x87214d01 (2267106561),secs: 0, flags: 8000
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP chaddr: 00:0d:60:5e:ca:62

Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP ciaddr: 0.0.0.0, yiaddr: 10.10.110.3
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP siaddr: 0.0.0.0, giaddr: 0.0.0.0
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
DHCP server id: 1.1.1.1 rcvd server id: 10.10.110.1
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62
10.10.110.3 Added NPU entry of type 2
Tue Sep 11 13:27:54 2007: 00:0d:60:5e:ca:62 Sent an XID frame
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62
Username entry (guest1) created for mobile
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62
Setting guest session timeout for mobile
00:0d:60:5e:ca:62 to 79953 seconds
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62
Session Timeout is 79953 - starting session timer for the mobile
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62
10.10.110.3 WEBAUTH_REQD (8) Change state to
WEBAUTH_NOL3SEC (14) last state WEBAUTH_NOL3SEC (14)
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62
10.10.110.3 WEBAUTH_NOL3SEC (14) **Change state to RUN
(20) last state RUN (20)**
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62 10.10.110.3 RUN
(20) Reached PLUMBFA STPATH: from line 4518
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62 10.10.110.3 RUN
(20) Replacing FastPath rule
type = Airespace AP Client


```
on AP 00:00:00:00:00:00, slot 0, interface = 1, QOS = 0
ACL Id = 255, Jumbo Frames = NO, 802.1P = 0, DSCP = 0, TokenID = 5006
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62 10.10.110.3 RUN
    (20) Successfully plumbed mobile rule (ACL ID 255)
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62 10.10.110.3
    Added NPU entry of type 1
Tue Sep 11 13:28:12 2007: 00:0d:60:5e:ca:62 Sending a gratuitous
    ARP for 10.10.110.3, VLAN Id 110
```

驗證

目前沒有適用於此組態的驗證程序。

疑難排解

目前尚無適用於此組態的具體疑難排解資訊。

相關資訊

- [設定自動錨點行動化](#)
- [使用WLC的訪客WLAN和內部WLAN配置示例](#)
- [使用無線 LAN 控制器的外部 Web 驗證組態範例](#)
- [思科無線LAN控制器組態設定指南4.2版](#)
- [無線產品支援](#)
- [技術支援與文件 - Cisco Systems](#)