

无线mac认证是常用的一种认证方式，本文实现无线AC结合imc V7版本实现mac认证。

iPhone-----AP (WA4620i) ---WX5540E-----iMC

一. 设备配置:

AC:

```
port-security enable
#
mac-authentication domain mac
mac-authentication user-name-format mac-address with-hyphen
#
vlan 1
#
vlan 2
#
vlan 10
#
vlan 15
radius scheme mac
primary authentication 192.168.10.12 key cipher $c$3$ADt27frWPmly049j2WUrLC7fzPPeWA==
primary accounting 192.168.10.12 key cipher $c$3$6ag2AXBg88/WDOZt/Hw3Wy5UaWoO5Q==
nas-ip 192.168.2.1
domain mac
authentication lan-access radius-scheme mac
authorization lan-access radius-scheme mac
accounting lan-access radius-scheme mac
access-limit disable
state active
idle-cut disable
self-service-url disable
#
dhcp server ip-pool mactest
network 192.168.15.0 mask 255.255.255.0
gateway-list 192.168.15.1
dns-list 192.168.15.1
wlan service-template 4 clear
ssid mactest
bind WLAN-ESS 5
service-template enable
#
interface Vlan-interface2
ip address 192.168.2.1 255.255.255.0
portal server portal method direct
portal domain portal
portal nas-ip 192.168.14.31
portal mac-trigger enable
#
interface Vlan-interface15
ip address 192.168.15.1 255.255.255.0
#
interface Vlan-interface1000
#
interface M-GigabitEthernet1/0/0
ip address 192.168.14.31 255.255.248.0
#
interface WLAN-ESS5
port access vlan 15
port-security port-mode mac-authentication
```

```

mac-authentication domain mac
#
wlan ap ap1 model WA4620i-ACN id 3
serial-id 210235A1BRC145000105
client idle-timeout 900
radio 1
service-template 4
service-template 22
radio enable
radio 2
service-template 4
service-template 22
radio enable
#
ip route-static 10.0.0.0 255.0.0.0 192.168.8.1

#
dhcp enable
#

```

imc配置截图：
增加接入设备

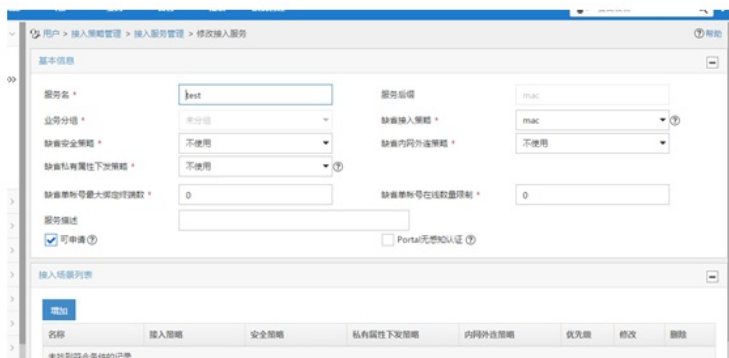


增加服务

策略



配置接入服务绑定此接入策略



配置接入用户，绑定接入服务

The screenshot shows a web-based configuration interface. At the top, there is a breadcrumb trail: 用户 > 接入用户 > 增加接入用户. Below this, the '接入用户' (Access User) section contains several input fields: '用户名' (Username) with the value 'yhy', '帐号名' (Account Name) with the value '48-74-6e-38-85', a checkbox for '预开用户' (Pre-open user) which is unchecked, and a checked checkbox for 'MAC地址认证用户' (MAC address authentication user). There are also fields for '生效时间' (Effective time) and '失效时间' (Expiration time), both with '去' (Go) buttons. Below these are fields for '最大闲置时长(分钟)' (Maximum idle time in minutes) and '登录提示信息' (Login提示信息). The '接入服务' (Access Service) section below features a table with the following data:

服务名	服务名称	是否安全策略	状态	分配IP地址
<input type="checkbox"/>	mac	不使用	可申请	
<input checked="" type="checkbox"/>	test	不使用	可申请	
<input type="checkbox"/>	vlan2	不使用	可申请	

配置完之后客户端就可以上线

注意：imc服务器上的防火墙需要关闭，否则防火墙开启将会阻止ac发过来的radius报文，导致认证失败。