

Huawei

1.3.1090 WNAME Huawei. Wi-Fi Huawei :

- AP2050, AP5030, AP4050, AP6050, AP6010 , FAT, ;
- FIT () AC6005, AC6605.

WNAME "External Portal Server". Huawei (Agile Controller) .

WNAME , . "" "" , - Huawei, IP- , . " " " NetFlow" .

Huawei () . WNAME () RADIUS "" , WNAME / UDP:2000 ().



:

- WNAME, UDP 1812 1813;
- WNAME , UDP 2000.

Firewall NAT, .

Huawei "" , - web-auth-server (GUI) . , , .

!

AP5030DN FAT V200R006C10SPCa00. Web-, (RADIUS-) CLI. . . IP- WNAME: 172.16.130.5, RADIUS- 80.

```
#
authentication-profile name wnam-authentication-profile
portal-access-profile wnam-portal-access-profile
free-rule-template default_free_rule
authentication-scheme radius
accounting-scheme default
radius-server wnam_radius
#
portal captive-bypass disable
#
radius-server template wnam_radius
radius-server shared-key cipher %^%#Nl=Y8Wyh"ZWb:P(H`d)8>Nf1<Pio=2bWLA"Xn1A8%^%#
radius-server authentication 172.16.130.5 1812 weight 80
radius-server accounting 172.16.130.5 1813 weight 80
radius-server hw-dhcp-option-format new
radius-server hw-ap-info-format include-ap-ip
calling-station-id mac-format hyphen-split mode2 uppercase
radius-attribute check Session-Timeout
radius-attribute check HW-Input-Committed-Information-Rate
radius-attribute check HW-Output-Committed-Information-Rate
#
free-rule-template name default_free_rule
free-rule 1 destination ip 172.16.130.5 mask 255.255.255.255
#
url-template name urlTemplate_0
url http://172.16.130.5/cp/huawei
url-parameter ap-ip AP-IP ap-mac AP-MAC redirect-url redirect-url ssid ssid
user-ipaddress user-ipaddress user-mac user-mac sysname sysname ac-ip AC-IP
url-parameter mac-address format delimiter : normal
#
web-auth-server wnam-server
server-ip 172.16.130.5
port 50200
url http://172.16.130.5/cp/huawei
url-template urlTemplate_0
server-source ip-address ____mgmt____
#
portal-access-profile name wnam-portal-access-profile
web-auth-server wnam-server layer3
#
aaa
authentication-scheme default
authentication-scheme radius
```

```

authentication-mode radius
authorization-scheme default
accounting-scheme default
accounting-mode radius
accounting realtime 5
accounting start-fail online
domain default
domain default_admin
#
wlan
traffic-profile name default
security-profile name default
security-profile name default-mesh
security wpa2 psk pass-phrase %^%#U/o>@VZq@K@@r-BP_rFX!&H3Gc`_{HZ<3|*AE(WR%^%#
aes
ssid-profile name default
ssid HUAWEI
vap-profile name default
authentication-profile wnam-authentication-profile
mesh-handover-profile name default
mesh-profile name default
country-code RU
air-scan-profile name default
rrm-profile name default
radio-2g-profile name default
radio-5g-profile name default
wids
#
interface Wlan-Radio0/0/0
vap-profile default wlan 1
#

```



```

:
portal captive-bypass enable

, Apple - , ( ) , . , . , ( , https- ) , .
CNA:
undo portal captive-bypass enable

```

, :

Wireless LAN

AP5030DN

MonitoringWizardConfigurationMaintenance

SaveConsoleadmin中文

Interface

IP Service

WLAN Service

Basic Config

WLAN Config

Profile

Security

Proxied Device

IGMP-Snooping

Radio0Radio1

VAP Configuration

default

SSID Profile [defa...]

Security Profile [defa...]

Traffic Profile [defa...]

Authentication ... [wna...]

STA Blacklist And Whiteli...

Radio Management

Mesh

WLAN Location

Authentication Profile : wnam-authentication-piDisplay Reference

Prevent authentication overwrite : DisableSecurity character string separator : none found

User group : none foundAuthorization VLAN ID before authentication : none found

Authorization VLAN ID upon authentication failure : none found

Binding Profile

802.1X Profile : none foundPortal Profile : wnam-portal-access-profile

MAC Authentication Profile : mac_access_profileAuthentication-free Rule Profile : default_free_rule

RADIUS Server Profile : wnam_radiusHWTACACS Server Profile : none found

Authentication Scheme : radiusAuthorization Scheme : none found

Accounting Scheme : defaultService scheme : none found

Apply

Wireless LAN

AP5030DN

MonitoringWizardConfigurationMaintenance

SaveConsoleadmin中文

Interface

IP Service

WLAN Service

Basic Config

WLAN Config

Profile

Security

Proxied Device

IGMP-Snooping

Profile Management

Wireless Service

VAP Profile

default

SSID Profil... [defa...]

Security Pr... [defa...]

Traffic Profil... [defa...]

Authenticati... [wna...]

STA Blacklist And Whiteli...

SSID Profile

Security Profile

Traffic Profile

Authentication Profile

802.1X Profile

Portal Profile

portal_access_profile

wnam-portal-access-profil...

MAC Authentication Profile

Authentication-free Rule Prof...

Authentication Scheme

Authorization Scheme

Accounting Scheme

802.1X Profile

Portal Profile : wnam-portal-access-profileDisplay Reference

Portal authentication : Built-in portal serverExternal portal server

Portal server : wnam-server

Authentication mode : Layer 2 authenticationLayer 3 authentication

Source authentication network segment/mask : . . . / - none -

Source Authentication Network Seg...Mask

No data.

Wireless LAN

AP5030DN

MonitoringWizardConfigurationMaintenance

SaveConsoleadmin中文

Interface

IP Service

WLAN Service

Security

AAA

User Group

ACL

WIDS

SSL

PKI

Security Defense

Proxied Device

IGMP-Snooping

Authentication Profile

Service Scheme

External Portal Server

Built-In Portal Server

RADIUS

HWTACACS

Local User

Advanced

Authentication Profile List

mac_authen_profile

dot1x_authen_profile

portal_authen_profile

macportal_authen_profile

wnam-authentication-profile

802.1X Profile

Portal Profile [wna...]

MAC Authentic... [mac...]

Authentication-f... [defa...]

RADIUS Serve... [wna...]

HWTACACS Server Profile

Authentication ... [radiu...]

Authorization Scheme

Accounting Sc... [defa...]

Service Scheme

Authentication Scheme : radiusDisplay ReferenceCreate

First authentication : RADIUS authenticationSecond authentication : Not configured

Third authentication : Not configuredFourth authentication : Not configured

Apply

Wireless LAN

AP5030DN

Monitoring

Wizard

Configuration

Maintenance

Save

Console

admin

中文

Interface

IP Service

WLAN Service

Security

AAA

User Group

ACL

WIDS

SSL

PKI

Security Defense

Proxied Device

ICMP Flood

Authentication Profile

Service Scheme

External Portal Server

Built-In Portal Server

RADIUS

HWTACACS

Local User

Advanced

Maximum number of STAs: 64

Apply

Portal Authentication Server List

CreateDeleteRefresh

Server Name

Server Name

URL

Packet Port Number

50200

50200

10

Total 2 record(s)

1

Wireless LAN

AP5030DN

Monitoring

Wizard

Configuration

Maintenance

Save

Console

Interface

IP Service

WLAN Service

Security

AAA

User Group

ACL

WIDS

SSL

PKI

Security Defense

Proxied Device

IGMP-Snooping

Security > AAA > External Portal Server > Modify Authentication Server

* Server name :

wnam-server

* Server IP :

+

☐ Server IP

☐ 172.16.130.5

×

Shared key :

Confirm shared key :

Packet port number :

50200

* URL :

http://172.16.130.5 /cp/hu

URL configuration result :

http://172.16.130.5/cp/huawei?AP-IP=&AP-MAC=&redirect-url=&ssid=&user-ipaddress=&user-mac=&sysname=

URL Option Settings

Redirection Setting

☒ User access URL :

☒ User MAC :

☒ User IP :

☒ System name :

☒ AP-IP :

☒ AP-MAC :

☒ SSID :

MAC Address

MAC address format :

normal

* Separator :

:

URL Encrypt

Encrypted parameter name :

Encryption vector name :

Encryption key :

Confirm encryption key :

Server Detection Configuration

Portal server detection :

OFF

OK

Cancel

Wireless LAN

AP5030DN

MonitoringWizardConfigurationMaintenance

SaveConsoleadmin中文

Interface

IP Service

WLAN Service

Security

AAA

User Group

ACL

WIDS

SSL

PKI

Security Defense

Proxied Device

IGMP-Snooping

Authentication Profile

Service Scheme

External Portal Server

Built-In Portal Server

RADIUS

HWTACACS

Local User

Advanced

↓ RADIUS Server Profile

CreateDeleteRefresh

Profile Name	User Name	Mode
☐ default	Original user name	Active/Standby mode
☐ wnam_radius	Original user name	Active/Standby mode

10Total 2 record(s)

↓ Authentication/Accounting Server

CreateDeleteRefresh

Profile Name

Profile Name	Server Type	IP Address/Port Number	Weight
→ ☐ default	Authentication Server		
→ ☐ default	Accounting Server		
→ ☐ wnam_radius	Authentication Server		
→ ☐ wnam_radius	Accounting Server		

10Total 4 record(s)

↓ Authorization Server

CreateDeleteRefresh

Authorization Server IP Address

Profile Name

No data.

Wireless LAN

AP5030DN

MonitoringWizardConfigurationMaintenance

SaveConsoleadmin中文

Interface

IP Service

WLAN Service

Security

AAA

User Group

ACL

WIDS

SSL

PKI

Security Defense

Proxied Device

IGMP-Snooping

Authentication Profile

Service Scheme

External Portal Server

Built-In Portal Server

RADIUS

HWTACACS

Local User

Advanced

802.1X Authentication Global Settings

Quiet timer:OFF

Portal Authentication Global Settings

Quiet timer:OFF

Port number in Portal packets:2000

Transparent transmission of authentication information:ON

Portal version:☒ V1&V2☐ V2

Upper alarm threshold percentage (%):100

Lower alarm threshold percentage (%):50

MAC Address Authentication Global Settings

Maximum authentication failure count before turning quiet:10

Quiet timer value (s):60

Others

CNA apple-cna-bypass:ON

Apply

WNAM .

!

:

radius-attribute check Session-Timeout

radius-attribute check HW-Input-Committed-Information-Rate

radius-attribute check HW-Output-Committed-Information-Rate

, RADIUS-Accept WNAM ., (rx/tx) "" ., ., ., ., .

Wi-Fi - WNAM :

|

21:08:11.706 DEBUG [c.n.w.web.cp.CaptivePortalController:544] - CP huawei
redirect: mac=4C:57:CA:XX:XX:XX, ip=172.16.130.154, ap=d4:c8:b0:15:1d:40
[HUAWEI], server=Huawei, 192.168.0.5
21:08:11.722 DEBUG [c.n.w.web.cp.CaptivePortalController:1661] -
processAuthRequest HUAWEI: username=4C:57:CA:XX:XX:XX, ip=172.16.130.154,
server=Huawei, site_id=3, dst='http://www.ru/'
21:08:11.722 DEBUG [c.n.w.web.cp.CaptivePortalController:1804] -
processRedirectRequestCi mac=4C:57:CA:XX:XX:XX, method=FORM,
formName=58addf80bd045a2fa888c7a6, redirectUrl=http://www.ru/, key=33f0eb37-ee12-
4572-ad58-10a1c237de00
21:08:13.053 DEBUG [c.n.w.web.cp.CaptivePortalController:1530] - RedirectCi
login: site_id=3, username=4C:57:CA:2C:0F:4C, dst='http://www.ru/',
dst_extra='null'
21:08:13.053 DEBUG [c.n.w.web.cp.CaptivePortalController:2102] - loginAtNasCi
HUAWEI mac=4C:57:CA:XX:XX:XX, ip=172.16.130.154, server=Huawei, dst='http://www.
ru/'
21:08:13.057 DEBUG [com.netams.wnam.web.cp.Huawei:85] - backToHuawei login
len=439, server='172.16.130.75', username=4C:57:XX:XX:XX:XX, password=password,
dst='http://www.ru/'
21:08:13.079 INFO [WnamRadius:522] - AUTH for new session
ID=Huawei0000000000000019e7f4f000019-2c0f4c, request MAC=4C:57:CA:XX:XX:XX,
IP=172.16.130.154, cust_clientid=iSE
21:08:13.112 INFO [WnamRadius:683] - ACCT Start new session
ID=Huawei0000000000000019e7f4f000019-2c0f4c, MAC=4C:57:CA:XX:XX:XX, IP=172.
16.130.154, NAS=172.16.130.75
21:13:13.124 INFO [WnamRadius:683] - ACCT Interim-Update existing
(Huawei0000000000000019e7f4f000019-2c0f4c) session
ID=Huawei0000000000000019e7f4f000019-2c0f4c, MAC=4C:57:CA:XX:XX:XX, IP=172.
16.130.154, NAS=172.16.130.75
21:13:13.652 INFO [WnamRadius:683] - ACCT Stop existing
(Huawei0000000000000019e7f4f000019-2c0f4c) session
ID=Huawei0000000000000019e7f4f000019-2c0f4c, MAC=4C:57:CA:XX:XX:XX, IP=172.
16.130.154, NAS=172.16.130.75

Huawei .