

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

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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.

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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

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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

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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

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↓ 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.

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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 .