


802.1 Eltex WLC

WNAM 1.6 RADIUS- Eltex WLC-15 WLC-30 , 802.1x. . , .

 ! , 802.1 , (Open) , DHCP, DNS, NAT, ..

:

- 172.16.130.5, () 172.16.130.101, . - VLAN1
- , VLAN 10 11, . DHCP- 10.10.10.0/24 10.10.11.0/24, NAT.

Radius Proxy , WNAM. 802.1 WNAM PEAP, EAP-TLS. 10 11 VLAN.

RADIUS- :

```
radius-server local
  nas ap
    key ascii-text encrypted 8BBA02608F1D49FF4E300D
    network 172.16.130.0/24
  exit
  nas local
    key ascii-text encrypted 8CB5107EA7005AFF
    network 127.0.0.1/32
  exit
  domain default
  exit
  virtual-server default
    proxy-mode
    nas-ip-address 172.16.130.101
    upstream-server radius_wnam
      host 172.16.130.5
      server-type all
      key ascii-text encrypted 8BBA02608F1D49FF4E300D
    exit
  enable
  exit
  enable
  exit
```

:

```

bridge 1
  vlan 1
  security-zone untrusted
  ip firewall disable
  ip address 172.16.130.101/24
  no spanning-tree
  enable
exit
bridge 10
  vlan 10
  security-zone trusted
  ip address 10.10.10.1/24
  enable
exit
bridge 11
  vlan 11
  security-zone trusted
  ip address 10.10.11.1/24
  enable
exit

interface gigabitethernet 1/0/1
  mode switchport
  switchport mode trunk
  switchport trunk native-vlan 1
  switchport trunk allowed vlan add 10-11
exit

```

:

```

nat source
  ruleset factory
  to zone untrusted
  rule 10
    action source-nat interface
  enable
  exit
exit
exit

```

DHCP:

```


ip dhcp-server pool users-pool-10
  network 10.10.10.0/24
  address-range 10.10.10.10-10.10.10.100
  default-router 10.10.10.1
  dns-server 8.8.8.8
exit
ip dhcp-server pool users-pool-11
  network 10.10.11.0/24
  address-range 10.10.11.10-10.10.11.100
  default-router 10.10.11.1
  dns-server 8.8.8.8
exit

```

WLC-:


```
wlc
  outside-address 172.16.130.101
  ssid-profile default-ssid
    description default-ssid
    ssid eltex-test
    radius-profile default-radius
    vlan-id 10
    security-mode WPA2_1X
    local-switching
    802.11kv
    band 2g
    band 5g
    enable
exit
radius-profile default-radius
  auth-address 172.16.130.101
  auth-password ascii-text encrypted 8BBA02608F1D49FF4E300D
  auth-acct-id-send
  acct-enable
  acct-address 172.16.130.101
  acct-password ascii-text encrypted 8BBA02608F1D49FF4E300D
  acct-periodic
  acct-interval 300
  domain default
exit
enable
exit
```

eltex-test , WNAME :

Время ▾	MAC ⚙	IP ⚙	Идентификатор ⚙	Площадка ⚙	NAS ⚙	Политики ⚙	Результат ⚙
	<div>Поиск <input type="button" value="Q"/></div>	<div>Поиск <input type="button" value="Q"/></div>	<div>Поиск <input type="button" value="Q"/></div>				
23.01.2024 10:35:55	6A:CE:44:92:FD:BB	10.10.10.13	wifiuser 	Eltex wlc30 eltex-test	wlc-30 [Lab Rack-top] 172.16.130.101	EAP/AD сотрудники локальные FNM Wi-Fi	✓

Параметры записи о сессии



MAC	6A:CE:44:92:FD:BB	Время начала	23.01.2024 10:35:52	
Идентификатор	wifiuser	Имя		
IP адрес	10.10.10.13	Метод	 EAP_PEAP	13
SSID	eltex-test		Нода	wendy
Площадка	Eltex wlc30 eltex-test			
Сервер доступа	wlc-30 [Lab Rack-top] [172.16.130.101] [68-13-E2-02-6C-C0]			
Аутентификация	EAP/AD сотрудники локальные	Тэг	fnm_wifi	✓
Авторизация	FNM Wi-Fi	Тэг		✓

Лог подключения:

```
1: fillFromRadiusAttributes - identity: 'wifiuser', portType: WirelessEAP
2: fillFromRadiusAttributes - mac: '6A:CE:44:92:FD:BB'
3: fillFromRadiusAttributes - nas: 'wlc-30 [Lab Rack-top]', id: 65ae8edba283d520f13f750b, vendor: ELTEX [enabled]
4: fillFromRadiusAttributes - nas: IP address: 172.16.130.101, identifier: '68-13-E2-02-6C-C0', port: '16'
5: fillFromRadiusAttributes - ap: '68:13:E2:02:6C:C0', ssid: 'eltex-test'
6: fillFromRadiusAttributes - site: 'Eltex wlc30 eltex-test', id: 712 [enabled]
7: fillFromRadiusAttributes - session id: '1705995352896-172.16.130.101'
8: radius - received 17 attributes in the request:
   Service-Type = Framed-User
   Eltex-AP-Domain = default-location
   NAS-IP-Address = 172.16.130.101
   NAS-Identifier = 68-13-E2-02-6C-C0
```

wlc-30# show wlc clients 6a:ce:44:92:fd:bb detailed

Client client-1:

MAC AP:	68:13:e2:02:6c:c0
MAC address:	6a:ce:44:92:fd:bb
IP address:	10.10.10.13
Hostname:	--
SSID:	eltex-test
Interface:	wlan1-vap0
RSSI:	-76 -79
SNR:	19 16
Transmit rate:	HE NSS2-MCS7 2xLTF GI 0.8us 172
Receive rate:	OFDM 24
Wireless mode:	ax
Authorized:	true
Username:	wifiuser
Domain:	default
Link Quality:	100
Link Quality Common:	0
Actual transmit rate:	1
Actual receive rate:	6
Transmit bytes:	42217
Receive bytes:	36281
Transmit packets:	154
Receive packets:	250
Uptime:	00:00:29
Transmit bandwidth:	20
Receive bandwidth:	20