

# CWA 9800

1.6.2524 WNAM Cisco , IOS XE Catalyst 9800 Wireless Controllers. , Central Web Auth (CWA), Cisco Cisco ISE. WNAM ISE . 9800 ISE .

CWA :

- RADIUS- (WNAM) ACL URL ;
- - ( ) ;
- (WNAM) / / ;
- WNAM RADIUS CoA ;
- RADIUS- "" ;
- WNAM .

, . , - " " , :

- RADIUS- (WNAM);
- , ( ), , " " , WNAM Access-Accept ( ) ;
- " " .

.



CWA SSID, , , DHCP, .

():

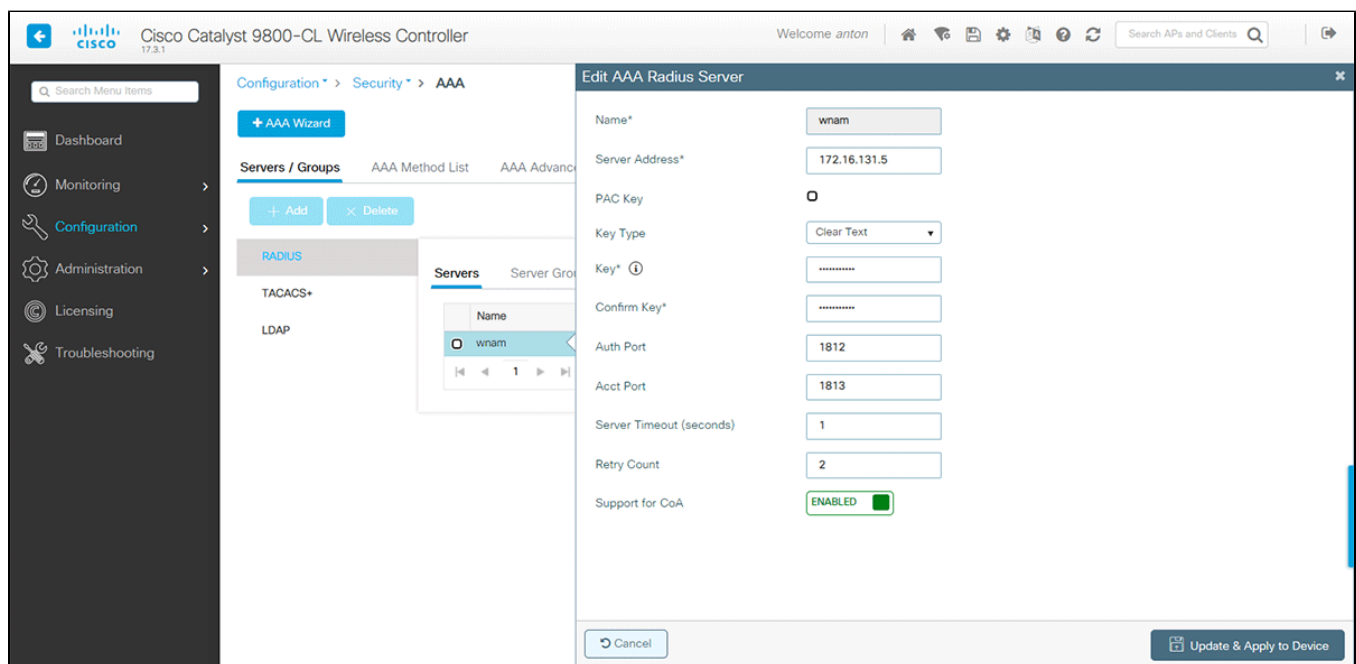
- 172.16.131.5 - RADIUS- WNAM;
- 172.16.131.5 80 - WNAM;
- 93.180.6.168 - Cisco 9800-CL IOS XE 17.3.1;
- 10.241.144.0/24 - ;
- SSID - IOS\_XE\_Test;
- (, , ..) - R20;
- - Central switching, .. .

FlexConnect Local switching ( ) .

1.

, SSID " " , , -, DHCP, NAT .

, , (MAC Filtering, authentication authorization). RADIUS-, IP-.



Authentication.

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search Menu Items

Dashboard

Monitoring

Configuration

Administration

Licensing

Troubleshooting

Configuration > Security > AAA

+ AAA Wizard

Servers / Groups AAA Method List AAA Advanced

Authentication

Authorization

Accounting

+ Add - Delete

Name	Type
cwa-authorization	dot1x

1 10 Items per page

Quick Setup: AAA Authentication

Method List Name\* cwa-authorization

Type\* dot1x

Group Type group

Fallback to local 0

Available Server Groups

Assigned Server Groups

Idap tacacs+

radius

Cancel Update & Apply to Device

Authorization.

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

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Configuration

Administration

Licensing

Troubleshooting

Configuration > Security > AAA

+ AAA Wizard

Servers / Groups AAA Method List AAA Advanced

Authentication

Authorization

Accounting

+ Add - Delete

Name	Type
cwa-authorization	network

1 10 Items per page

Quick Setup: AAA Authorization

Method List Name\* cwa-authorization

Type\* network

Group Type group

Fallback to local 0

Authenticated 0

Available Server Groups

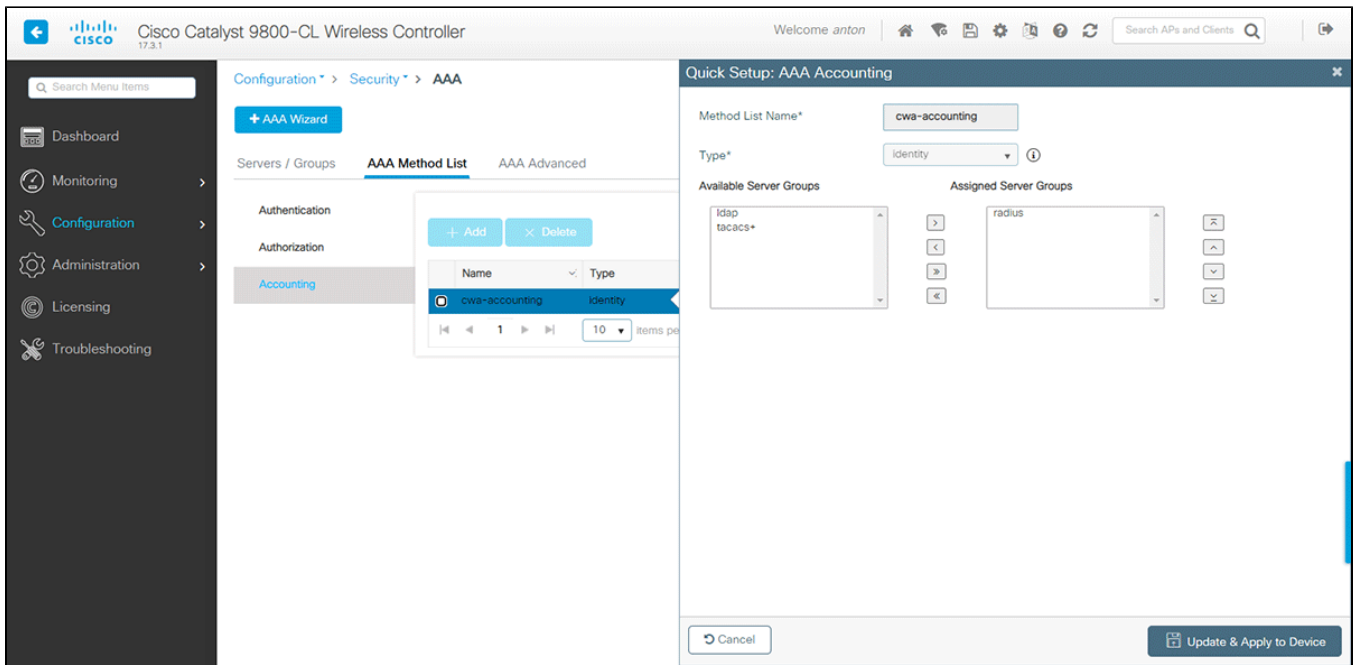
Assigned Server Groups

Idap tacacs+

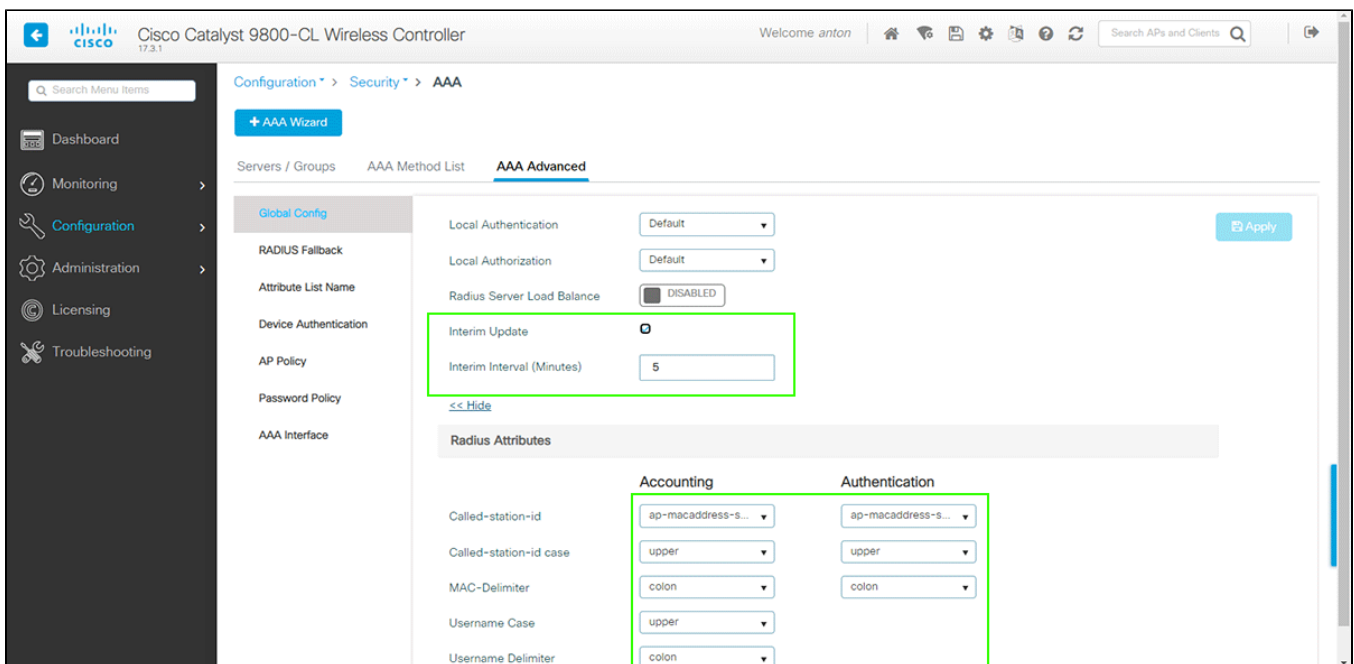
radius

Cancel Update & Apply to Device

Accounting.



RADIUS, , RADIUS-



, . , Central switching.

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Tags & Profiles > Policy

Policy Profile Name: R20\_WLANID\_1

Status: default-policy-profile

10 Items per page

Edit Policy Profile

General Access Policies QOS and AVC Mobility Advanced

Configuring in enabled state will result in loss of connectivity for clients associated with this profile.

Name\*: R20\_WLANID\_1

Description: R20\_IOS\_XE\_Test

Status: ENABLED

Passive Client: DISABLED

Encrypted Traffic Analytics: DISABLED

CTS Policy

Inline Tagging: ☐

SGACL Enforcement: ☐

Default SGT: 2-65519

WLAN Switching Policy

Central Switching: ENABLED

Central Authentication: ENABLED

Central DHCP: ENABLED

Central Association: ENABLED

Flex NAT/PAT: DISABLED

Cancel Update & Apply to Device

, ( ) VLAN, . "Configuration" "Wireless" "Wireless Global" ( Cisco).

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Tags & Profiles > Policy

Policy Profile Name: R20\_WLANID\_1

Status: default-policy-profile

10 Items per page

Edit Policy Profile

General Access Policies QOS and AVC Mobility Advanced

RADIUS Profiling: ☐

HTTP TLV Caching: ☐

DHCP TLV Caching: ☐

WLAN Local Profiling

Global State of Device Classification: Enabled

Local Subscriber Policy Name: Search or Select

VLAN

VLAN/VLAN Group: VLAN305

Multicast VLAN: Enter Multicast VLAN

WLAN ACL

IPv4 ACL: Search or Select

IPv6 ACL: Search or Select

URL Filters

Pre Auth: Search or Select

Post Auth: Search or Select

Cancel Update & Apply to Device

, , .

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search Menu Items

Dashboard

Monitoring

Configuration

Administration

Licensing

Troubleshooting

Configuration > Tags & Profiles > Policy

Policy Profile Name

Status

R20\_WLANID\_1

default-policy-profile

10 Items per page

Edit Policy Profile

General Access Policies QoS and AVC Mobility Advanced

WLAN Timeout

Session Timeout (sec) 1800

Idle Timeout (sec) 300

Idle Threshold (bytes) 0

Client Exclusion Timeout (sec) 60

Guest LAN Session Timeout

DHCP

IPv4 DHCP Required

DHCP Server IP Address

Show more >>>

AAA Policy

Allow AAA Override

NAC State

NAC Type RADIUS

Policy Name default-aaa-policy

Accounting List cwa-accounting

Fabric Profile

mDNS Service Policy default-mdns-service

Hotspot Server

User Defined (Private) Network

Status

Drop Unicast

Umbrella

Umbrella Parameter Map Not Configured

Flex DHCP Option for DNS ENABLED

DNS Traffic Redirect IGNORE

WLAN Flex Policy

VLAN Central Switching

Split MAC ACL

Air Time Fairness Policies

2.4 GHz Policy

5 GHz Policy

EoGRE Tunnel Profiles

Tunnel Profile

Cancel

Update & Apply to Device

WLAN, SSID . MAC Filtering, .

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search Menu Items

Dashboard

Monitoring

Configuration

Administration

Licensing

Troubleshooting

Configuration > Tags & Profiles > WLANs

WLANs

Add Delete Enable WLAN Disable WLAN

Number of WLANs selected : 0

Status Name ID

IOS\_XE\_Test

10 Items per page

Edit WLAN

Changing WLAN parameters while it is enabled will result in loss of connectivity for clients connected to it.

General Security Advanced Add To Policy Tags

Layer2 Layer3 AAA

Layer 2 Security Mode None

MAC Filtering

OWE Transition Mode

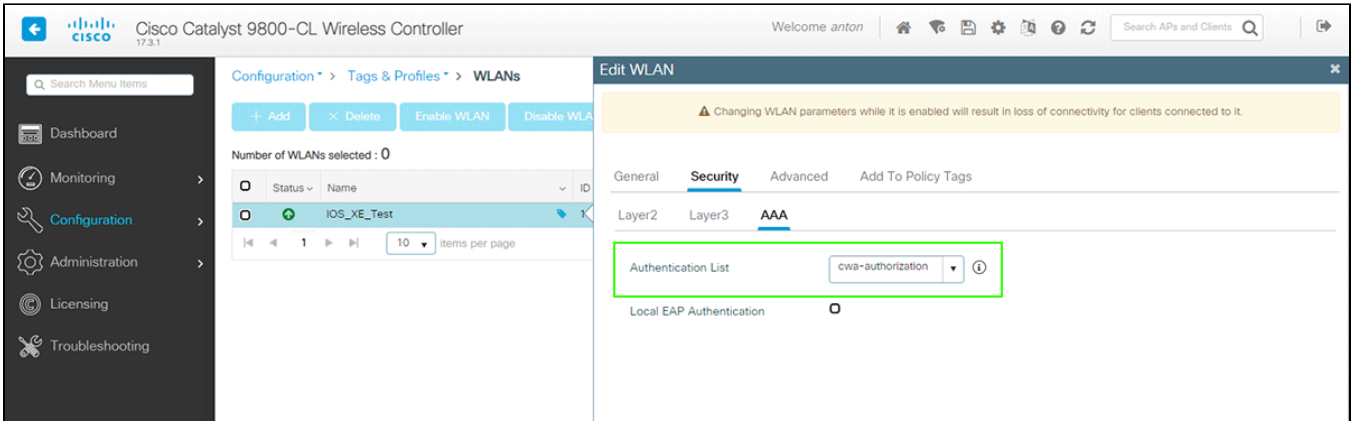
Authorization List\* cwa-authorize

Lobby Admin Access

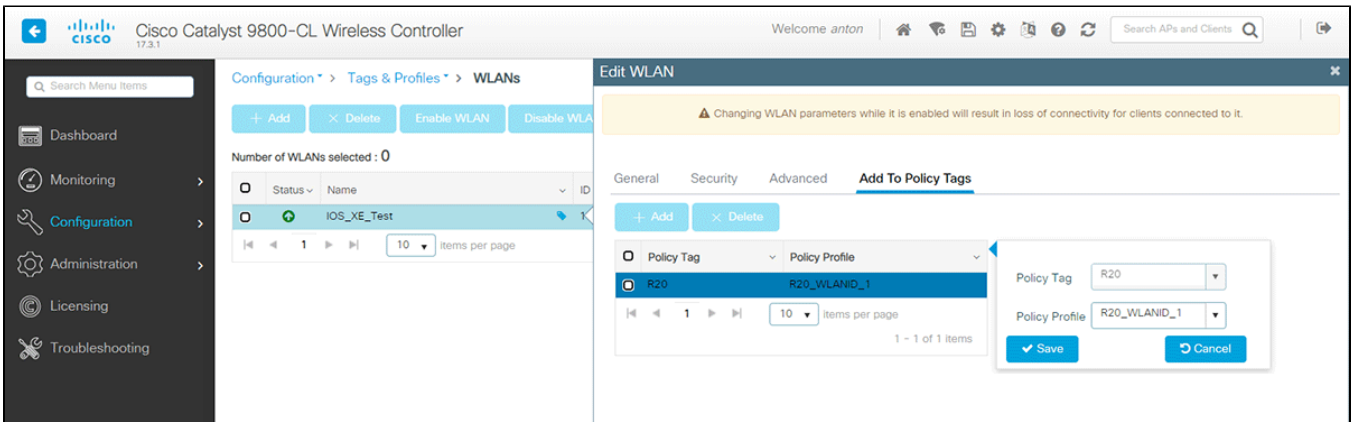
Fast Transition Adaptive Enab...

Over the DS

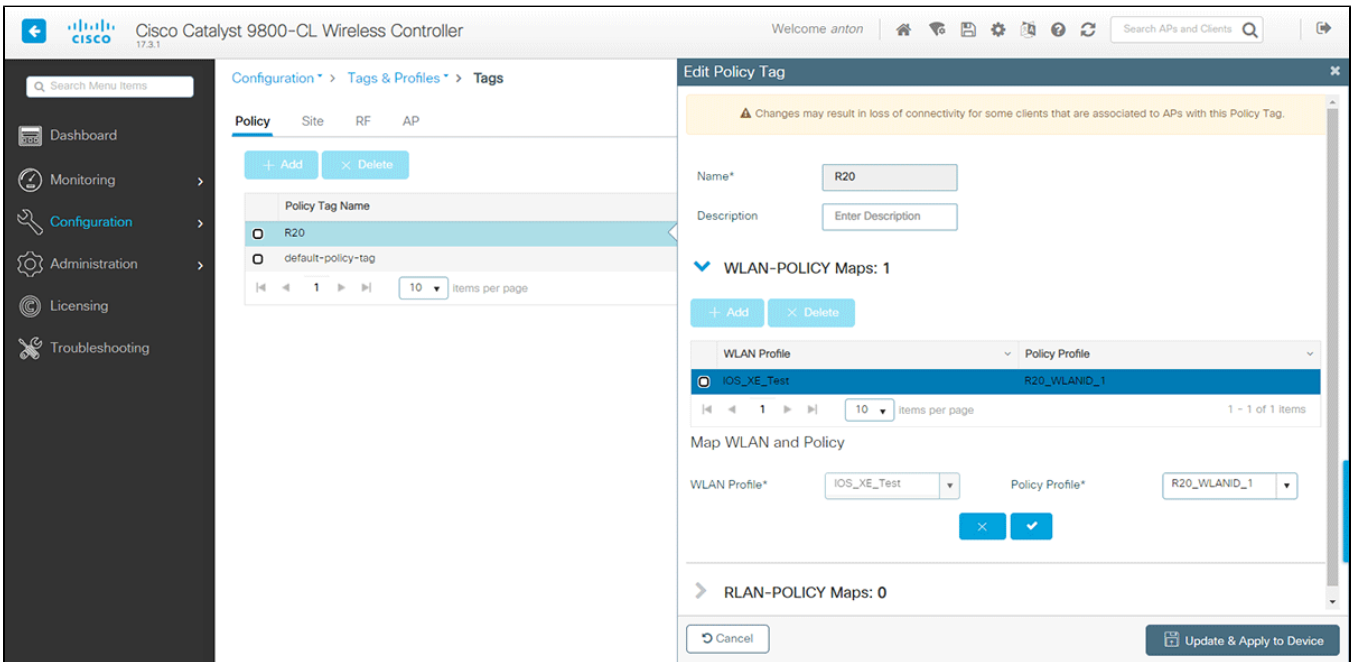
Reassociation Timeout 20



, 1 ( ).



(policy tag) - .



( ), ( WNAME ) . "Local Site". , Local, FlexConnect .

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Tags & Profiles > Tags

Policy Site RF AP

+ Add - Delete

Site Tag Name

R20

default-site-tag

1 10 Items per page

Edit Site Tag

Name\* R20

Description Enter Description

AP Join Profile R20

Fabric Control Plane Name

Enable Local Site

Cancel Update & Apply to Device

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Wireless > Access Points

All Access Points

Number of AP(s): 1

AP Name	AP Model	Slots	Admin Status	IP Address	Base Radio MAC	AP Mode	Operation Status	Configuration Status	Policy Tag	Site Tag	RF Tag	Tag Source	Location	Count
c3702i-rm	AIR-CT5502-K9	3	✓	172.16.131.194	5087.89e3.5bd0	Local	Registered	Healthy	R20	R20	R20	Static	R20 LAB	RU

1 10 Items per page 1 - 1 of 1 access points

5 GHz Radios

2.4 GHz Radios

Dual-Band Radios

Country

LSC Provision

() "Wireless Setup".

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Wireless Setup > Basic

Back

Delete Location Apply

General Wireless Networks AP Provisioning

Location Name\* R20

Description Enter Description

Location Type ☒ Local ☐ Flex

Client Density  Low Typical High

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Wireless Setup > Basic

Back

Edit Location Setup

Wireless Network Details Policy Details

WLAN\* IOS\_XE\_Test

VLAN/VLAN Group\* VLAN305 (E.g. 1,2,5-7)

IPv4 ACL Search or Select or Define new

IPv6 ACL Search or Select or Define new

QoS Search or Select

ON Central Switching ON Central Authentication

ON Central DHCP ON Central Association

WLANs on this Location

WLAN Name
IOS_XE_Test

1 10 Items per page

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Wireless Setup > Basic

Back

Delete Location Apply

General Wireless Networks AP Provisioning

Add/Select APs

Import AP MAC Select File Select CSV File

AP MAC Address

Available AP list

Number of selected APs : 0

AP MAC	AP Name
5087.89c0.271c	c3702i-rm

5 Items per page 1 - 1 of 1 items

APs on this Location

Associated AP list

Number of selected APs : 0

AP MAC	AP Name	Status
5087.89c0.271c	c3702i-rm	Joined

5 Items per page 1 - 1 of 1 items

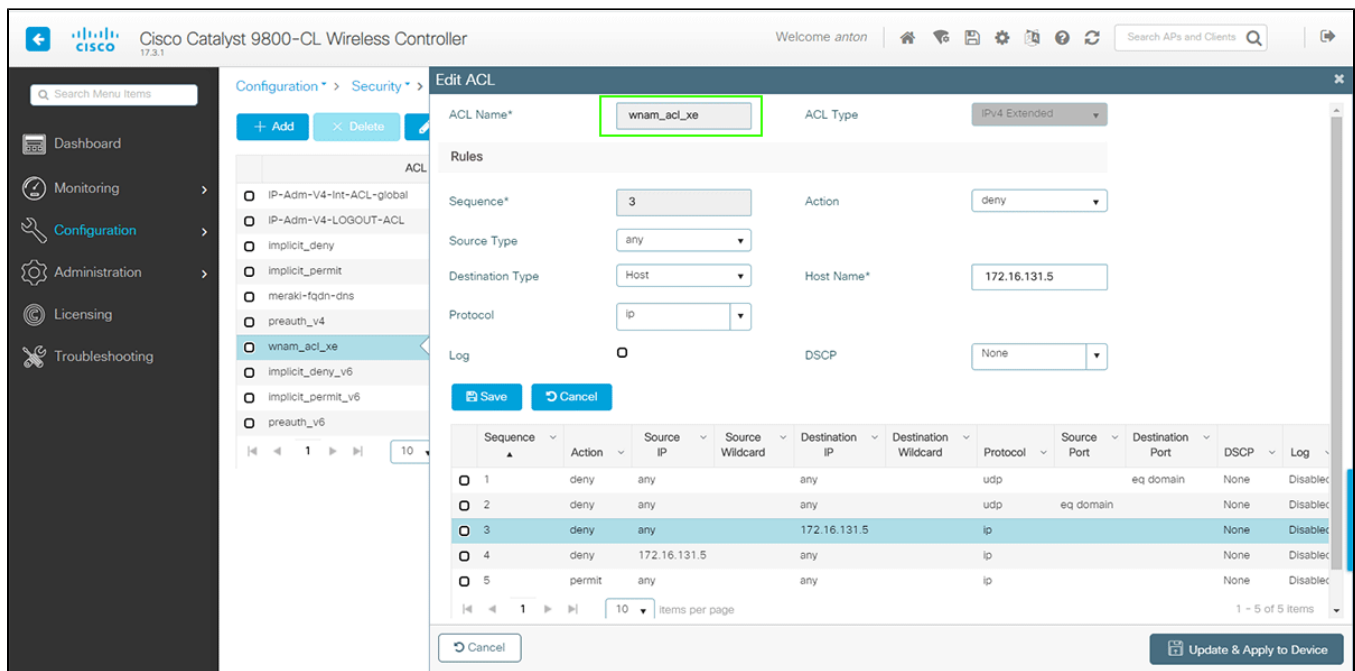
, URL WNAM. RADIUS- . ACL, . "Configuration" "ACL". ( ) SSID, . .

! IOS XE , . "permit", "deny" .

( : wnam\_acl\_xe), . WNAM.

DNS- WNAM ( IP- TCP-). "permit any any".





CLI ()).

## 2. WNAM

"" "" Cisco WLC ( - ), , ( ).

Изменение сервера доступа

Параметры

RADIUS

Тип

Cisco WLC

IP адрес (NAS-IP-Address)

Имя устройства

10.208.144.213

wlc2.h

Местоположение

HF Lab r550a

Комментарий

Логин

Пароль

anton

.....

☒ Использовать счетчики аккаунтинга

☐ Менять местами счетчики приёма/передачи

☒ Определять имена устройств абонентов

☐ Принимать детализацию потоков NetFlow

Вкл.

Сбросить сессии

Удалить

Сохранить изменения

Заккрыть

RADIUS " ":

- cisco-avpair=url-redirect=http://\_\_wnam/cp/cisco?%URL%;
- cisco-avpair=url-redirect-acl=wnam\_acl\_xe.

, ACL , . %URL% WNAM . , .

RADIUS ( -) -.

## Изменение сервера доступа

Параметры

RADIUS

### Атрибуты предварительной авторизации

cisco-avpair=url-redirect=http://172.16.131.5/cp/cisco?%URL%  
cisco-avpair=url-redirect-acl=wnam\_acl\_xe

### Атрибуты CoA / пост-авторизации

Секретный ключ ?

.....

Порт CoA

1700

### MAC авторизация

Вкл.

Вкл.

Сбросить сессии

Удалить

Сохранить изменения

Заккрыть



, , WNAM "" "" ("radiusd\_networks"), .

WNAM "uppercase\_session\_id" "true" "" "".

("" ""). " ID" () WLAN/SSID , . RADIUS- Airespace-Wlan-Id, . (SSID).

Изменение площадки

Параметры

Авторизация

Приветствие

Ограничения

Соцсети

RADIUS

Номер

262

Тип

Площадка

Адрес/название

Test VL305

Контактное лицо

Вася Пупкин VL305

Комментарий

Присвоенная IP подсеть или MAC точек доступа

10.241.144.0/24

SSID

Разрешенный сервер доступа

Дополнительный ID на этом сервере

1

Управление SSID

Вкл.

Сбросить сессии

Удалить

Сохранить изменения

Заккрыть

WNAM .

3.

, Wi-Fi . "WebAuth Pending", , ACL.

The screenshot shows the Cisco Catalyst 9800-CL Wireless Controller interface. The left sidebar contains navigation options: Dashboard, Monitoring, Configuration, Administration, Licensing, and Troubleshooting. The main area is titled 'Monitoring > Wireless > Clients'. It shows a list of clients with columns for Client MAC Address, IPv4 Address, and IPv6 Address. One client is selected: 749e.af6c.3f20, 10.241.144.103, fe80::ac:d1a5. The right pane shows the 'Client' details for this client, with tabs for General, QOS Statistics, ATF Statistics, Mobility History, and Call Statistics. The 'General' tab is active, showing 'Client Properties'. The 'Policy Manager State' is highlighted in green and shows 'Webauth Pending'.

The screenshot shows the same Cisco Catalyst 9800-CL Wireless Controller interface, but the 'Security Information' tab is active in the 'Client' details pane. It shows 'Local Policies' and 'Server Policies'. The 'URL Redirect' and 'URL Redirect ACL' policies are highlighted in green. The 'URL Redirect' policy shows a redirect URL: http://172.16.131.5/cp/cisco?client\_mac=74:9E:AF:6C:3F:20&switch\_url=93.180.6.168&redirect=&wlan=IOS. The 'URL Redirect ACL' policy shows a name: wnam\_acl\_xe.

WNAM ( /home/wnam/logs/wnam.log) , :

```
21:11:49.743 DEBUG [c.n.wnam.services.WnamCmdService:1307] - Cisco CWA AUTH MAC=74:9E:AF:6C:3F:20, NAS_IP=93.180.6.168, CUST=existing, site_id=262
21:11:51.254 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Start new session ID=A806B45D00000063CB9DBB06, MAC=74:9E:AF:6C:3F:20, IP=null, User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
21:11:51.283 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Interim-Update new session ID=A806B45D00000063CB9DBB06, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
21:11:53.524 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Interim-Update existing session ID=A806B45D00000063CB9DBB06, duration=00:00:02, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
```

"Cisco CWA AUTH", RADIUS- ( ) RADIUS. , IP- , CWA Auth . "Accounting-Interim" IPv4 IPv6 . - (CNA) ( ) /:

```
21:11:54.638 DEBUG [c.n.w.services.vendors.AuthHandler:28] - CP cisco minibrowser: iOS/hotspot
21:11:54.639 DEBUG [c.n.w.services.vendors.CiscoService:170] - CP cisco redirect: client_mac=74:9E:AF:6C:3F:20, wlan=IOS_XE_Test, ip=10.241.144.103, dst="", switch_url=93.180.6.168'
21:11:54.679 DEBUG [com.netams.wnam.web.cp.PageGenerator:638] - processAuthRequest CISCO: username=74:9E:AF:6C:3F:20, ip=10.241.144.103, CNA, server=93.180.6.168, site_id=262, domain_id=A806B45D00000063CB9DBB06, dst='http://bash.im' adv curr/max=1/1
21:11:54.683 DEBUG [com.netams.wnam.web.cp.PageGenerator:387] - processRedirectRequestCi mac=74:9E:AF:6C:3F:20, method=FORM, formName=58bdc4965e4df6273ac60210, redirectUrl=http://bash.im, key=0a9c38fc-7d58-45b3-adde-c03ede1b34bf
```

RADIUS:-

```

21:11:56.865 DEBUG [c.n.w.web.cp.CaptivePortalController:2049] - webLoginCi: site_id=262, username=74:9E:AF:6C:3F:20, dst='h
tp://bash.im', dst_extra='http://bash.im'
21:11:56.866 DEBUG [com.netams.wnam.web.cp.PageGenerator:767] - loginAtNasCi CISC0 mac=74:9E:AF:6C:3F:20, ip=10.
241.144.103, server=93.180.6.168, dst='http://bash.im'
21:11:56.889 DEBUG [c.n.w.services.vendors.CiscoService:130] - backToCiscoCwa CoA status=true, response=CoA-ACK,
MAC=74:9E:AF:6C:3F:20, controller IP=93.180.6.168, dst='http://bash.im'
21:11:56.933 DEBUG [c.n.wnam.services.WnamCmdService:1433] - AUTH for existing session ID=a806b45d00000063cb9dbb06,
request MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, site_id=262
21:11:57.005 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Interim-Update existing session
ID=A806B45D00000063CB9DBB06, duration=00:00:05, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103,
User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
21:11:58.936 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Interim-Update existing session
ID=A806B45D00000063CB9DBB06, duration=00:00:07, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103,
User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
21:12:20.591 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Stop existing session
ID=A806B45D00000063CB9DBB06, duration=00:00:29, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, User=749eaf6c3f20,
NAS_IP=93.180.6.168, site_id=262

```

, "Run", ACL.

The screenshot shows the Cisco Catalyst 9800-CL Wireless Controller interface. The left sidebar contains navigation options: Dashboard, Monitoring, Configuration, Administration, and Licensing. The main area is titled "Monitoring > Wireless > Clients". It shows a list of clients with columns for Client MAC Address, IPv4 Address, and IPv6 Address. One client is selected: 749e.af6c.3f20, 10.241.144.103, fe80::ac:d1. The right pane shows the "Client" details for this client, with tabs for General, QOS Statistics, ATF Statistics, Mobility History, and Call Statistics. The "General" tab is active, showing "Client Properties" with fields like Join Time Of Client (09/26/2020 19:14:41 moscow), Client State Servers (None), Client ACLs (None), Policy Manager State (Run), Last Policy Manager State (Webauth Pending), User Defined (Private) Network (Disabled), and User Defined (Private) Network Drop Unicast (Disabled).

, - WNAM

The screenshot shows a window titled "Параметры записи о сессии" (Session Record Parameters). It displays various session details in a grid format:

MAC	74:9E:AF:6C:3F:20	IP адрес	10.241.144.103
Время начала	26.09.2020 21:11:51	Время завершения	26.09.2020 21:12:20
Длительность	0ч 0м 29с	Сервер доступа	93.180.6.168
Принято, Мб	0	Отправлено, Мб	0
Площадка	262 Test VL305		
Точка доступа	50:87:89:E3:5B:D0 (Cisco AP) SSID: IOS_XE_Test		Канал
Пользователь	74:9E:AF:6C:3F:20 iAntonX	79995552211	
Идентификатор сессии	a806b45d00000063cb9dbb06		

At the bottom, there are three buttons: "Потоки данных в этой сессии" (Data flows in this session), "Параметры учетной записи пользователя" (User account parameters), and "Закрыть" (Close).

, "" ("", " + ").

IP адрес	10.241.144.103
Время завершения	ещё идёт, остановить ▾
Сервер доступа	Стоп
Отправлено, МБ	Стоп+блок

( ) RADIUS- :

```
22:25:54.083 DEBUG [c.n.wnam.services.WnamCmdService:1227] - AUTH transparent next session MAC=74:9E:AF:6C:3F:20,
NAS_IP=93.180.6.168, site_id=262, back=0 s., counter=1, PERMIT
22:25:55.166 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Start new session ID=A806B45D00000064CBE18CF6,
MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, User=749eaf6c3f20, NAS_IP=93.180.6.168, site_id=262
22:25:59.103 DEBUG [c.n.wnam.services.WnamCmdService:671] - ACCT Interim-Update existing session
ID=A806B45D00000064CBE18CF6, duration=00:00:03, MAC=74:9E:AF:6C:3F:20, IP=10.241.144.103, User=749eaf6c3f20,
NAS_IP=93.180.6.168, site_id=262
```

### 3. FlexConnect

FlexConnect , .. , . , Local switching, VLAN , .

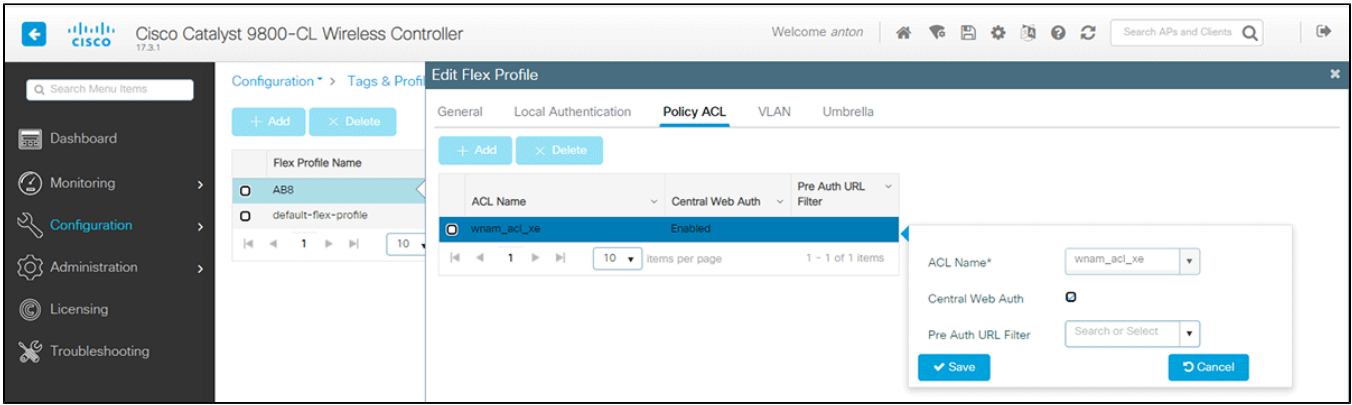
WNAM FlexConnect . RADIUS- , .. WNAM - . , , , .

FlexConnect ( , ) , Flex , SSID . , .. AB8, SSID RADIUS-, ACL. 172.16.131.0/24. (CLI) , GUI .

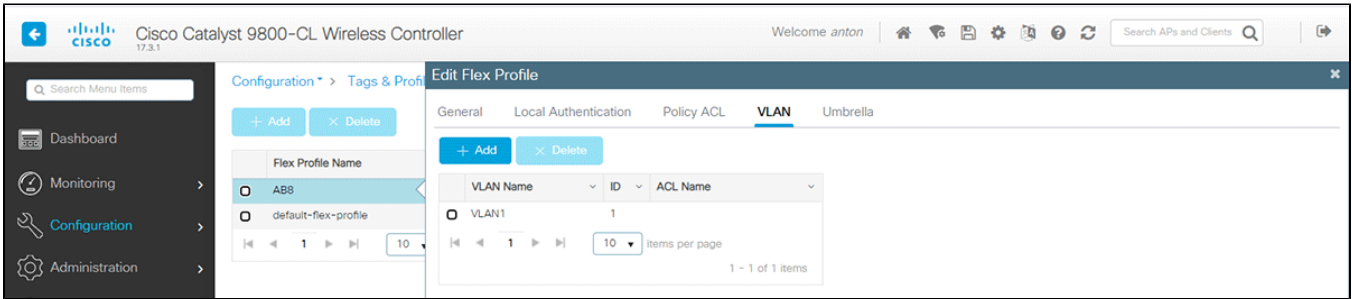
Flex ACL, , CWA. , :

```
ip access-list extended wnam_acl_xe
permit udp any range 0 65535 any eq domain
permit udp any eq domain any range 0 65535
permit ip any host 172.16.131.5
permit ip host 172.16.131.5 any
deny ip any any
```

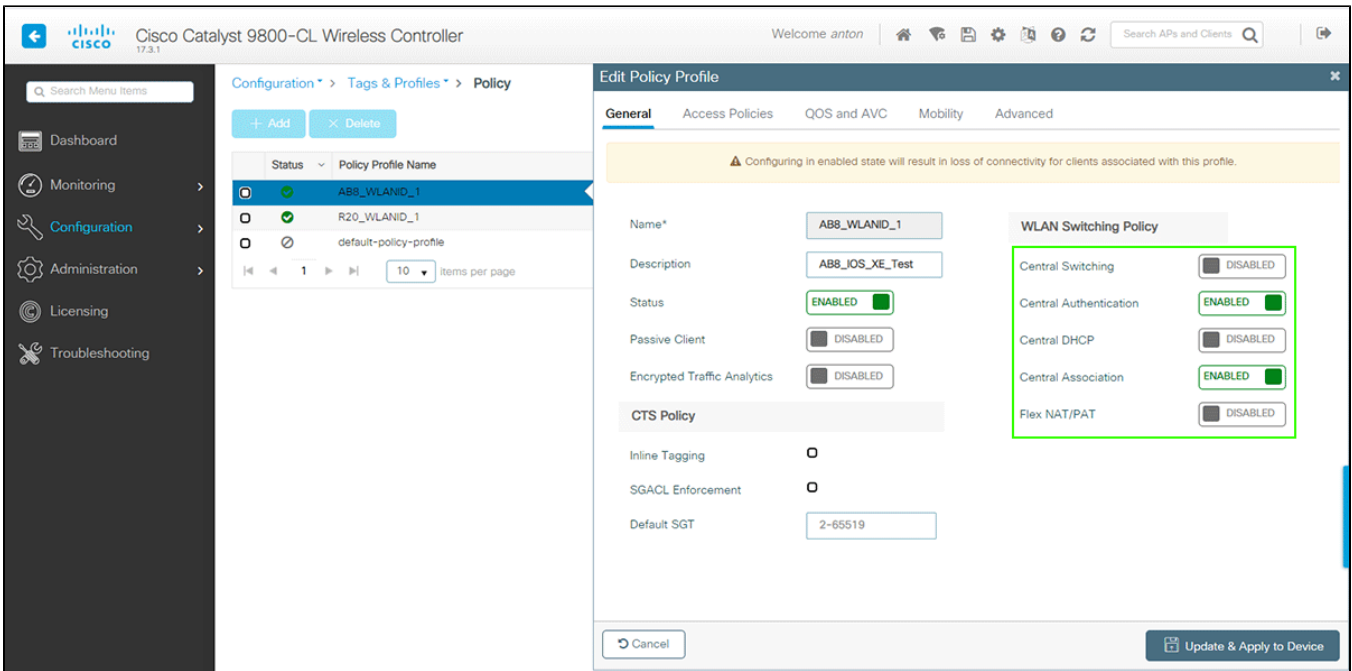
, ACL permit/deny.



VLAN,



, ( ), , -.



, ( ) VLAN .



Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Tags & Profiles > Policy

Dashboard  
Monitoring  
Configuration  
Administration  
Licensing  
Troubleshooting

Policy Profile List:

Status	Policy Profile Name
<input checked="" type="checkbox"/>	ABS_WLANID_1
<input checked="" type="checkbox"/>	R20_WLANID_1
<input type="checkbox"/>	default-policy-profile

10 Items per page

Edit Policy Profile

General Access Policies QOS and AVC Mobility Advanced

RADIUS Profiling ☐  
HTTP TLV Caching ☐  
DHCP TLV Caching ☐

WLAN Local Profiling

Global State of Device Classification Enabled ⓘ  
Local Subscriber Policy Name Search or Select

VLAN

VLAN/VLAN Group VLAN1  
Multicast VLAN Enter Multicast VLAN

WLAN ACL

IPv4 ACL Search or Select  
IPv6 ACL Search or Select

URL Filters

Pre Auth Search or Select  
Post Auth Search or Select

Cancel Update & Apply to Device

AAA VLAN Central Switching, Flex-

Cisco Catalyst 9800-CL Wireless Controller 17.3.1

Welcome anton

Search APs and Clients

Configuration > Tags & Profiles > Policy

Dashboard  
Monitoring  
Configuration  
Administration  
Licensing  
Troubleshooting

Policy Profile List:

Status	Policy Profile Name
<input checked="" type="checkbox"/>	ABS_WLANID_1
<input checked="" type="checkbox"/>	R20_WLANID_1
<input type="checkbox"/>	default-policy-profile

10 Items per page

Edit Policy Profile

General Access Policies QOS and AVC Mobility Advanced

WLAN Timeout

Session Timeout (sec) 1800  
Idle Timeout (sec) 300  
Idle Threshold (bytes) 0  
Client Exclusion Timeout (sec) 60  
Guest LAN Session Timeout

DHCP

IPv4 DHCP Required  
DHCP Server IP Address

Show more >>>

AAA Policy

Allow AAA Override  
NAC State  
NAC Type RADIUS  
Policy Name default-aaa-policy x  
Accounting List cwa-accounting ⓘ x

Fabric Profile Search or Select  
mDNS Service Policy default-mdns-service Clear  
Hotspot Server Search or Select

User Defined (Private) Network

Status  
Drop Unicast

Umbrella

Umbrella Parameter Map Not Configured Clear  
Flex DHCP Option for DNS ENABLED  
DNS Traffic Redirect IGNORE

WLAN Flex Policy

VLAN Central Switching

Split MAC ACL Search or Select

Air Time Fairness Policies

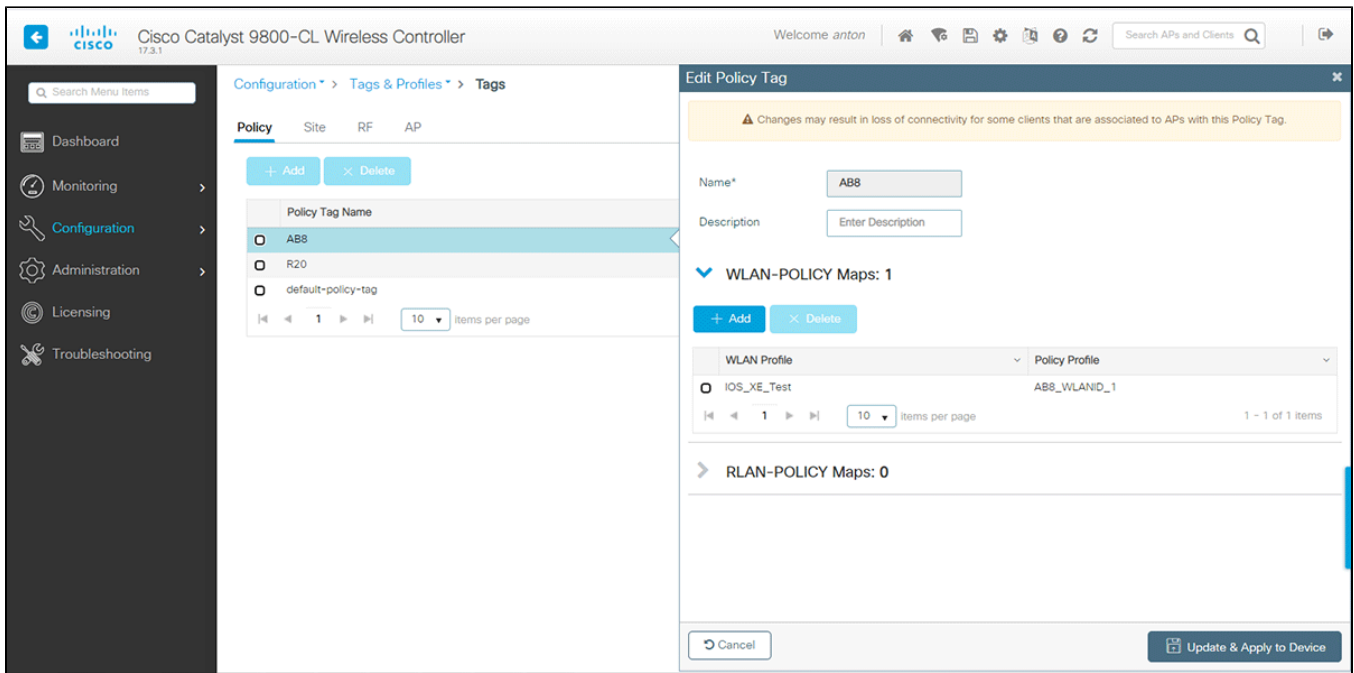
2.4 GHz Policy Search or Select  
5 GHz Policy Search or Select

EoGRE Tunnel Profiles

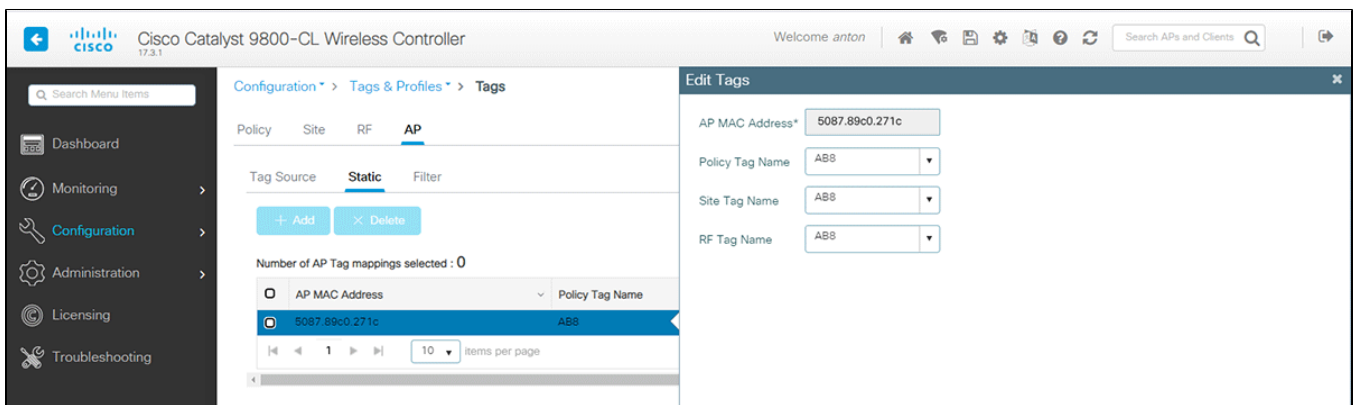
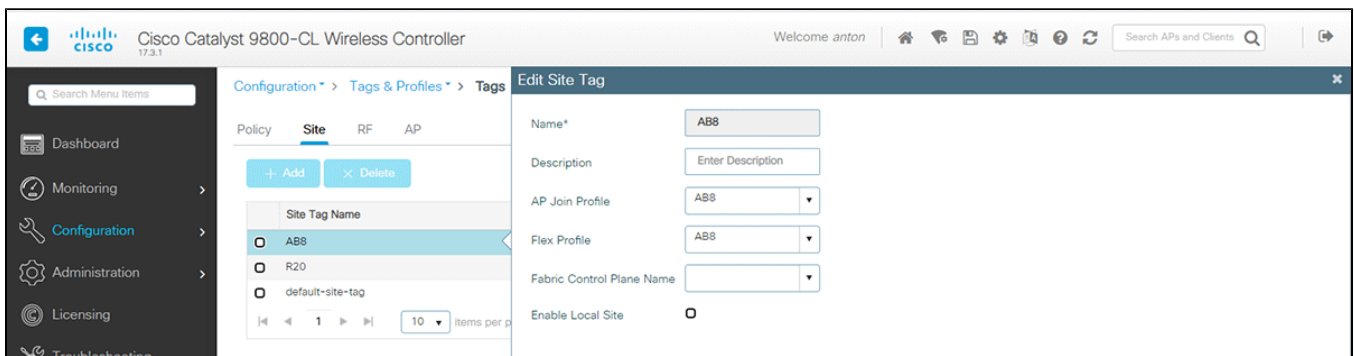
Tunnel Profile Search or Select

Cancel Update & Apply to Device

WLAN , .. SSID.



( Local Site ). Flex.



Wireless setup ACL .. AAA- .

Cisco Catalyst 9800-CL Wireless Controller  
17.3.1

Welcome anton

Dashboard  
Monitoring  
Configuration  
Administration  
Licensing  
Troubleshooting

Configuration > Wireless Setup > Basic

Back
Delete Location
Apply

General Wireless Networks AP Provisioning

Location Name\* AB8  
Description Enter Description  
Location Type ☐ Local ☒ Flex  
Client Density  Low Typical High  
Native VLAN ID 1

AAA Servers

Available (1) Selected (0)

172.16.131.5  
No AAA servers selected  
Add New Server

ACL/URL Filters

Add Delete

ACL Name	Central Web Auth	Pre Auth URL Filter
wnam_acl_xe	Enabled	

10 items per page 1 - 1 of 1 items

Cisco Catalyst 9800-CL Wireless Controller  
17.3.1

Welcome anton

Dashboard  
Monitoring  
Configuration  
Administration  
Licensing  
Troubleshooting

Configuration > Wireless Setup > Basic

Back

General Wireless Networks AP Provisioning

Add Delete

WLANs on this Location

WLAN Name
IOS_XE_Test

10 items per page

Edit Location Setup

Wireless Network Details Policy Details

WLAN\* IOS\_XE\_Test

VLAN/VLAN Group\* VLAN1 (E.g. 1,2,5-7)

IPv4 ACL Search or Select or Define new

IPv6 ACL Search or Select or Define new

QoS Search or Select

OFF Central Switching ON Central Authentication

OFF Central DHCP ON Central Association

Wi-Fi , Flex , , VLAN, .

