

# يكلسالاللا ليمعلا لاصتا عاطخأ فاشكتسأ Catalyst 9800 Wireless Controllers

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## عمدقمل

ةيفيكاو اعويش رثكاللا يكلسالاللا ليمعلا لاصتا لكاشم تاهويرانيس دننتملا اذه فصبي  
Catalyst 9800 ةيكلسالاللا مكحتلا تادحو ىلع اهلع.

## ةيساسألا تابلطتملا

### تابلطتملا

ةيلاللا عيضاوملاب ةفرعم كيديل نوكت نأ Cisco ي صوت:

- Cisco Catalyst 9800 Series ةلسلسلل ةيكلسالاللا مكحتلا تادحو
- ةيكلسالاللا مكحتلا تادحو ىلإ (CLI) رمألا رطس ةهجاو لوصو

### عمدختسملا تانوكمل

Cisco نم ةي داملا تانوكملا وجماربل تارادصا ىل دن تسمل اذه يف ةدراول تامولعمل دن تست IOS® XE Gibraltar، رادصا 16.10 وأ دحلأا.

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجال نم دن تسمل اذه يف ةدراول تامولعمل عاشنإ مت تناك اذا. (يضارتفا) حوسمم نيوكتب دن تسمل اذه يف ةمدختسمل ةزهجال عيمج تادب رمأ يال لم تحمل ريثاتلل كمهف نم دكأتف، ليغشتلا ديقتك تكتبش.

## تالجسلا عيمجت

ةقولعلتملا عاطخال عيمجل ليجست نمضي اذهو. ةمئادلا عبتتلا تانام 9800 WLC رفوي امك، رمتسم لكشب مالعالا يوتسمب ةصاخلا لئاسرلاو تاريذحتلاو ليملال لاصتاب اهثودح دعبلش فةلاح وأ ةثداحب ةصاخلا تالجسلا ضرع كنكمي.

ىل تاعاس عضب عوجرلا كنكمي، اهؤاشنإ مت يتلا تالجسلا مجح ىل اذانتسا: **ةظحالم** ميا ةدع.

ةيلحمل ةكبشلل يف مكحتلا رصنع ةطساوب اهعيمجت مت يتلا تاراسملا ضرعل رصنعب SSH/Telnet ربع لاصتالا كنكمي، يضرارتفا لكشب 9800 زارط (WLC) ةيكلساللا دكأت (ةيلتلا تاوطخال عابتاو 9800 زارط (WLC) ةيكلساللا ةيلحمل ةكبشلل يف مكحتلا (يصلن فلم يف كبةصاخلا لمعل ةسلج ليجست نم).

تقولاي تالجسلا بقتت كنكمي شيحب مكحتلا ةدحول يلاحلا تقولا نم ققحت 1. ةوطخال ةلكشملا ثودح تقوىل قباسلا.

```
# show clock
```

ددم وه امك ةيجراخال syslog وأ مكحتلا ةدحول تقوملا نزملا نم syslog عيمجتب مق 2. ةوطخال تددجون اءاطخالو ماظنلا ةحصل ةعيرس ضرع ةقيرط كلذ رفوي. ماظنلا نيوكت ةطساوب.

```
# show logging
```

ءاطخال حيحصت طورش يانيكمت مت اذا ام ققحت 3. ةوطخال

```
# show debugging
```

```
IOSXE Conditional Debug Configs:
```

```
Conditional Debug Global State: Stop
```

```
IOSXE Packet Tracing Configs:
```

```
Packet Infra debugs:
```

Ip Address

Port

-----|-----

ىل هلىجست متي عبتتال نأ ينعي اذف، ةمئاقلا يف جردم طرش ي أ تياراذا: **ةظالم**  
MAC ناونع) ةنكمملا طورشللا هجاوت يتلا تاي لمعلا عي مجل اءاطخالا حيحصت يوتسم  
طورشللا عي مجحسمب ي صوي، كذل. تالجال مجح نم ديزي اذو. (كلذ لىل امو IP ناونعو  
طشناللا حيحصتال مدع دنع.

مق 3، ةوطخاللا يف طرشك هجاردا متي مل رابخالالا تحت MAC ناونع نأ ضارثفاب 4. ةوطخاللا  
ددحمالا MAC ناونعلا امئاد ةدوجوملا راعشالا يوتسم راثأ عي مجتتب.

```
# show logging profile wireless filter { mac | ip } { <aaaa.bbbb.cccc> | <a.b.c.d> } to-file  
always-on-<FILENAME.txt>
```

يخراخ TFTP مداخل لىل فلملا خسن كنكمي وأ ةسلجالا لىل ع يوتحملا ضرع اما كنكمي.

```
# more bootflash:always-on-<FILENAME.txt>  
or  
# copy bootflash:always-on-<FILENAME.txt> tftp://a.b.c.d/path/always-on-<FILENAME.txt>
```

ويدارلل طشناللا عبتتاللا ويطرشاللا اءاطخالا حيحصت:

قيقحتاللا دي قةلكشملا لغشم دي دحتل ةيفاك تامولعم ةمئادلا تاراسملا كحنمت مل اذا،  
رفوي يذلا، Radio Active (RA)، عبتت طاقتاللا وطورشملا اءاطخالا حيحصت ني كمت كنكمي  
ناونع) ددحمالا طرشاللا عم لعافتت يتلا تاي لمعلا عي مجل اءاطخالا حيحصت يوتسم عبتت  
ت اوطخاللا هذه نم ققحت، طورشملا اءاطخالا حيحصت ني كمتل. (ةلجالا هذه يف لي معلال MAC

ءاطخالالا حيحصت طورش ني كمت مدع نم دكأت 5. ةوطخاللا.

```
# clear platform condition all
```

ديرت يذلا يكلساللا لي معلال MAC ناونعلا اءاطخالالا حيحصت طرش ني كمتت ب مق 6. ةوطخاللا  
هتبقارم.

اذه ةدايز كنكمي. (ةينات 1800) ةقيقد 30 ةدمل رفوتملا MAC ناونع ةبقارم يف رمالا اذو أدبي  
ةينات 2085978494 ىتح أي رايثخا تقولا.

```
# debug wireless mac <aaaa.bbbb.cccc> {monitor-time <seconds>}
```

رمأ debug wireless mac لي غشتت ب مق، دحاو تقوي يف لي مع نم رثكأ ةبقارملا: **ةظالم**  
MAC ناونع لكل.

لك نيزخت متي شيح، ةيفرطاللا لمعلا ةسلجالا لىل ع لي معلال طاشن جاراخا ىرت ال: **ةظالم**

اقحال هضرعل ايلخاد اتقؤم عيش.

هتبقارم ديرت يذلا كولسلا وأ ةلكشملا جاتنا ةداعاب مق 7. ةوطخلا

ةبقارملا تقوواهاتنا لبق ةلكشملا خسن مت اذا عاطخألا ححصت فاقيا مق 8. ةوطخلا  
نوكملا وأ يضارتفالا.

```
# no debug wireless mac <aaaa.bbbb.cccc>
```

مسإلا عم يلحم دربم دلي 9800 WLC لا، نوكي يكلسال debug لا وأ بردملا تقووضقنا نإ ام

```
ra_trace_MAC_aaaabbbbcccc_HHMMSS.XXX_timezone_DayWeek_Month_Day_year.log
```

وأ يجراخ مداخل لإ ra trace .log خسن ام كنكمي mac. ناو نع طاشن فلم عيمجتب مق 9. ةوطخلا  
ةشاشلا لىل عةرشابم تاجرخلما ضرع.

RA. راسم عبتت فلم مسا نم ققحتلا

```
# dir bootflash: | inc ra_trace
```

يجراخ مداخل لإ فلملا خسن:

```
# copy bootflash:ra_trace_MAC_aaaabbbbcccc_HHMMSS.XXX_timezone_DayWeek_Month_Day_year.log  
tftp://a.b.c.d/ra-FILENAME.txt
```

ىوتحملما ضرع:

```
# more bootflash:ra_trace_MAC_aaaabbbbcccc_HHMMSS.XXX_timezone_DayWeek_Month_Day_year.log
```

دعت يتلا ةيلخادلا تالجسلا عمجب مقف، حضاوريف لازي ال يرذللا بلسلا ناك اذا 10. ةوطخلا  
ححصت لإ جاتحت ال. عاطخألا ححصت يوتسم لىل تالجسلل ربكأ ةيحيضوت ضرع ةقيرط  
ححصت تالجس لىل عىرخأة لىل صفت ةرطن عاقل لإ طقف اذه نأل ىرخأة رم لىل عملا عاطخأ  
ل. لعفلاب ايلخاد اهنيزخت واه عيمجت مت يتلا عاطخألا

```
# show logging profile wireless internal filter { mac | ip } { <aaaa.bbbb.cccc> | <a.b.c.d> }  
to-file ra-internal-<FILENAME>.txt
```

تايلمعل عيمجل لىل جاستلا تاىوتسم عيمجل راثأ عاجرا لىل اذه رمالا جارخا يذوي: **ةظحالم**  
تاراسملا هذه لال لىل لىل ححصت لىل فة دعاسم لل Cisco TAC كرشأ. ام دح لىل مچحل ريبك وهو

ةشاشلا لىل عةرشابم تاجرخلما ضرع وأ يجراخ مداخل لإ ra-internal-FILENAME.txt خسن ام كنكمي

يخرج راخ مداخل إلى فللمال حسن:

```
# copy bootflash:ra-internal-<FILENAME>.txt tftp://a.b.c.d/ra-internal-<FILENAME>.txt
```

يوتحملال ضرع:

```
# more bootflash:ra-internal-<FILENAME>.txt
```

عاطخال احي حصت طورش ةلازاب مق 11. ةوطخال

```
# clear platform condition all
```

عاطخال فاشكتسأ ةسلج دع ب امئاد عاطخال احي حصت طورش ةلازا نم دكأت: **ةظحال**  
اهال صإو.

## لاصتالال ليمعلا لىلع اهيف رذعتي يتلالتاهو ويرانيسال

ببول ةقداصم دامتعا تانايب لمعتال

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [27915]: UUID: 100000000015b, ra: 15,  
(info): [e4b3.1851.90ff:capwap_90800003] Authc failure from WebAuth, Auth event fail
```

ببسلا:

- ةحل اص دامتعا تانايب ليمعلا مدختسي ال
- ةلحمل ةكبشلا يف مكحتال رصنع لىلع ةفرعم ةيضارتفا ليوخت ةكبش دجوت ال  
9800 زارط (WLC) ةيكلساللا

ةنكمملا لولحال:

- ةحل اص دامتعا تانايب ليمعلا مادختسا نم دكأت
- يضارتفا ليوخت ةكبش بولسأ ةفاضإ

GUI:

ليوخت بولسأ عاشنإو Configuration > Security > AAA > AAA Method List > Authorization > + Add لىلقنتنا  
تاملعملال هذه مادختساب ديدج.

**Quick Setup: AAA Authorization**

Method List Name\*

Type\*

Group Type

Available Server Groups: radius, ldap, tacacs+, ISF-KCG-grp

Assigned Server Groups: (empty)

Buttons: Cancel, Save & Apply to Device

CLI:

```
# config t
# aaa authorization network default local
```

**جەنەل فەيەرت فەلم فە ئەلص VLAN كەبش فەيەرت مەي م**

لەجسەل لاىم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [epm] [25054]: UUID: 1000000000019, ra: 15, (ERR):
EPM_PLUGIN_VLAN_ERR: [HDL = 0x0] Unable to get active_feature_ctx for vlan group name YYYY/DD/MM
HH:MM:SS.xxx {wncd_x_R0-0}{1}: [sanet-shim-miscellaneous] [25054]: UUID: 1000000000019, ra: 15,
(ERR): MAC: 0874.0277.1345 Error in fetching vlans YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}:
[sanet-shim-miscellaneous] [25054]: UUID: 1000000000019, ra: 15, (ERR): MAC: 0874.0277.1345
building Mobile Announce Vlanid payload failed
```

بەسەل:

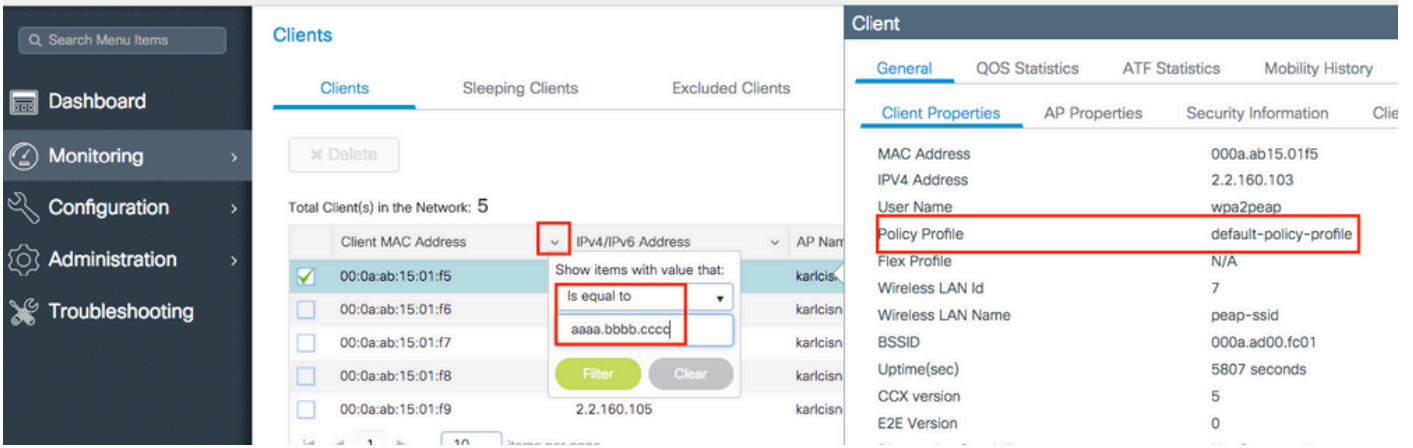
WLAN كەبش لى ئەيەمەل جەنەل فەيەرت فەلم لى ئە فرەم ئەجەص VLAN كەبش دەوت ال

لەل:

1. لەمەل لىق نە مەدخەسەمەل جەنەل فەيەرت فەلم نە قەقەت.

GUI:

نەيەم لىمە نە يەيەتەل خەب (Monitoring > Wireless > Clients > Client row > Client Properties لى لىقەنا بە صەخەل MAC نەونە مەدخەسەب).



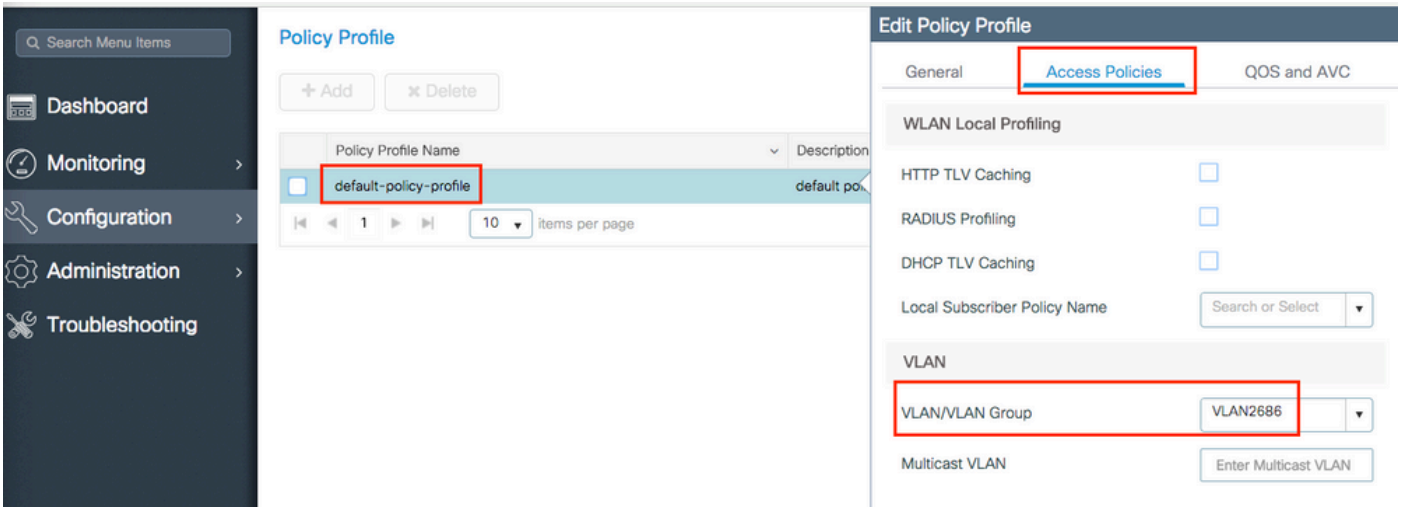
CLI:

```
# show wireless client mac-address <aaaa.bbbb.cccc> detail | inc Policy Profile
Policy Profile : default-policy-profile
```

2. اذہ چہنل فی رعت فل مل ة نی عم ل VLAN ت اکبش نم ق قحت .

GUI:

Configuration > Tags & Profiles > Policy > Policy Profile row > Access Policies .



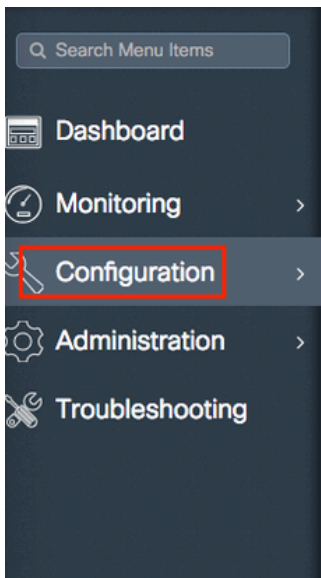
CLI:

```
# show wireless profile policy detailed default-policy-profile | inc VLAN
VLAN : VLAN2686
```

3. طیش نوح لاص VLAN ة کبش فرعم و VLAN ة کبش مس اهل VLAN ة مل عم نأ نم دکأت .

GUI:

Configuration > Layer2 > VLAN > VLAN .



## VLAN

SVI VLAN VLAN Group

+ Add x Delete

VLAN ID	Name	Status
<input type="checkbox"/> 1	default	active
<input type="checkbox"/> 210	VLAN0210	active
<input type="checkbox"/> 2600	VLAN2600	active
<input type="checkbox"/> 2601	VLAN2601	active
<input type="checkbox"/> 2602	VLAN2602	active
<input type="checkbox"/> 2686	VLAN2686	active

CLI:

```
# show vlan brief
```

VLAN	Name	Status	Ports
1	default	active	Te0/0/2, Te0/0/3
210	VLAN0210	active	
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

VLAN	Name	Status	Ports
2600	VLAN2600	active	
2601	VLAN2601	active	
2602	VLAN2602	active	
2686	<b>VLAN2686</b>	active	

هسفن لا امامت وه تنمض كذل ساسح ةلاح وه ،نوكي مس | VLAN تلمعتسا نإ :ةظحالم  
 show vlan brief erasecat4000\_flash:.

4. ةجاحلا بسح VLAN ةكبش حالصإب مق.

GUI:

VLAN ةكبش حالصأو Configuration > Tags & Profiles > Policy > Policy Profile row > Access Policies

CLI:

```
# config t
# wireless profile policy default-policy-profile
# shutdown # vlan <vlan-# or vlan-name>
# no shutdown
```



## ةححص ريغ رورملا ةملك

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-keymgmt] [27782]: UUID: 1000000000088, ra: 15,  
(ERR): MAC: e4b3.187c.3058 Keymgmt: Failed to validate eapol mic. MIC mismatch. YYYY/DD/MM  
HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-keymgmt] [27782]: UUID: 1000000000088, ra: 15, (ERR):  
MAC: e4b3.187c.3058 Keymgmt: Failed to validate eapol key m2. MIC validation failed
```

ببسلا:

ةححص ريغ رورملا ةملك لاخدا ب لي موعلا موقري.

ةنكمملا لولحلا:

- ياهنلا ةطقن زاهج يف رورملا ةملك حالصا
- SSID يف رورملا ةملك حالصا

GUI:

رورملا ةملكلا حلصي و ، Configuration > Wireless > WLANs > WLAN name > Security > Layer2

The screenshot shows the Cisco Wireless LAN Controller (WLC) configuration interface. On the left is a navigation menu with options: Dashboard, Monitoring, Configuration (highlighted with a red box), Administration, and Troubleshooting. The main area is titled 'Edit WLAN' and has two tabs: 'General' and 'Security' (highlighted with a red box). Under the 'Security' tab, there are sub-sections for 'Layer2' (highlighted with a red box) and 'Layer3'. The 'Layer2 Security Mode' is set to 'WPA + WPA2'. Other settings include 'MAC Filtering' (disabled), 'Protected Management Frame' (disabled), 'PMF' (Disabled), and 'WPA Parameters' (WPA Policy: disabled, WPA2 Policy: checked, WPA2 Encryption: AES(CCMP128) checked, CCMP256, GCMP128, GCMP256: disabled). 'Auth Key Mgmt' is set to 'PSK' and 'PSK Format' is set to 'ASCII'. The 'Pre-Shared Key' field is highlighted with a red box and contains a masked password.

CLI:

```
# config t
# wlan <wlan-name>
# shut
# security wpa psk set-key ascii 0 <clear-text-password>
# no shut
```

9800 WLC يلع ةدوجوم ريغ RADIUS ةطساوب ةلسررملا (ACL) لوصولا يف مكحتلا ةمئاق

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [epm-acl] [8104]: (ERR): ACL acl-sent-by-ise is
missing in configuration for mac e4b3.187c.3058
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [epm-acl] [8104]: (ERR): Unable to parse EPM
attributes
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet App Event
```

```
EV_PLUGIN_CONF
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [epm] [8104]: (ERR): Error in activating feature (EPM
ACL PLUG-IN)
.
.
.
EPM Data Base:
Number of Authz_info: 2
Authz info 1 details
Number of feat info: 2, State: Success, Priority: 254
EPM Vlan PLUG-IN Status: Success
VLAN Group: VLAN2602
VLAN-ID: 2602
SM Reauth PLUG-IN Status: Success
Authz info 2 details
Number of feat info: 4, State: Fail, Priority: 100
EPM MISC PLUG-IN Status: Success
Anchor Vlan: 0
EPM ACL PLUG-IN Status: Activate Failure
SM ACCOUNTING PLUG-IN Status: Success
linksec Status: Success
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-infra-evq-lib] [8104]: (note): already
started radioactive trace on key:[e4b3.187c.3058]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet App Event
EV_SVM_APPLY_UP_FAIL
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8104]: (ERR):
[e4b3.187c.3058:capwap_90000003] SM unable to apply User Profile for 0x1A000004 - 'Subsystem(4)'
detected the 'fatal' condition 'Code(47)'
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8104]: (ERR):
[e4b3.187c.3058:capwap_90000003] Unable to process authc result for 0x1A000004 - success
handling failed
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet eventQ: AUTH_MGR_MQ,
message:3
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-auth] [8104]: (ERR): MAC: e4b3.187c.3058
client authz result: FAILURE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-exclusion] [8104]: (info): MAC:
e4b3.187c.3058 Add client to exclusionlist, sending ipc to add client to client exclusion
table, reason: ACL failure, timeout: 60, AP: MAC: f07f.06ee.f590
```

بببب:

ىلع ةدوجوم ريغ RADIUS مداخ ةطساوب اهل اسرا مت يتلا (ACL) لوصولا يف مكحتلا ةمئاق  
9800 زارط (WLC) ةيكل سلال ةيلحمل ةكبشلا يف مكحتلا رصنع

ةنكمملا لولحلا:

- ححصلا (ACL) لوصولا يف مكحتلا ةمئاق مسا لاسرل RADIUS مداخ نيوكت حالصا
- ةكبشلا يف مكحتلا رصنع لىل ةدوقفملا (ACL) لوصولا يف مكحتلا ةمئاق ةفاضلا  
9800 (WLC) ةيكل سلال ةيلحمل

VLAN 9800 WLC ةطساوب ةلسرمل VLAN

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [epm] [8104]: (ERR): Error in activating feature (EPM
Vlan PLUG-IN)
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet App Event EV_START_CALL
```

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-infra-evq] [8104]: (ERR):
EPM Data Base:
Number of Authz_info: 2
Authz info 1 details
Number of feat info: 2, State: Success, Priority: 254
EPM Vlan PLUG-IN Status: Conflict
SM Reauth PLUG-IN Status: Success
Authz info 2 details
Number of feat info: 4, State: Activate, Priority: 100
EPM MISC PLUG-IN Status: Success
Anchor Vlan: 0
SM ACCOUNTING PLUG-IN Status: Success
EPM Vlan PLUG-IN Status: Activate Failure
VLAN Group: vlan-sent-by-ise
VLAN-ID: 0
linksec Status: Success
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet App Event
EV_SVM_APPLY_UP_FAIL
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8104]: (ERR):
[e4b3.187c.3058:capwap_90000003] SM unable to apply User Profile for 0x0E000005 - 'Subsystem(4)'
detected the 'fatal' condition 'Code(47)'
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8104]: (ERR):
[e4b3.187c.3058:capwap_90000003] Unable to process authc result for 0x0E000005 - success
handling failed
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8104]: (info): Sanet eventQ: AUTH_MGR_MQ,
message:3
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-auth] [8104]: (ERR): MAC: e4b3.187c.3058
client authz result: FAILURE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-exclusion] [8104]: (info): MAC: e4b3.187c.3058
Add client to exclusionlist, sending ipc to add client to client exclusion table, reason: VLAN
failure, timeout: 60, AP: MAC: f07f.06ee.f590
```

بب س ل ل:

ل 9800 WLC ل ى ل ع د ج ا و ت ي ال ل د ا ن RADIUS ل ل ب ل س ر ي ل ل

ة: ن ك م ل ل ل و ل ح ل ل

- ن م ي ل ل VLAN ة ك ب ش ف ر ع م / م س ا ل ل س ر ا ل RADIUS م د ا خ ن ي و ك ت ح ا ل ص ا ب م ق
- ل 9800 WLC ل ى ل د و ق ف م VLAN ل ل ا ت ف ض ا

ف ل م و ا (WLAN) ة ي ك ل ل س ل ل ل ل ة ي ل ح م ل ل ة ك ب ش ل ل ي ف ت ا ر ي ي غ ت ث و د ح ب ب س ب ل ل ا ص ت ا ل ع ط ق م ت ج ه ن ل ل ف ي ر ع ت

ل ل ج س ل ل ل ا ث م:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-infra-evq] [8522]: (note): Mcast: Sent L2
MGID 2602 DEL to AP vap_id 2
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [apmgr-bssid] [8522]: (ERR): 00c8.8b26.d790 Radio:0
BSSID:1 - Bssid ifid is not created so no need to push data to fman
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [8522]: (info): MAC: e4b3.187c.3058
Deleting the client, reason: 5, CO_CLIENT_DELETE_REASON_BSSID_DOWN, Client state S_CO_RUN
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [8522]: (note): MAC: e4b3.187c.3058
Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_BSSID_DOWN
```

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [8522]: (note): MAC: e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-qos-client] [8522]: (ERR): MAC: e4b3.187c.3058 Fail to get qos lib ctxt while handle sip cac on client delete
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [multicast-main] [8522]: (info): MAC: e4b3.187c.3058 No Flex/Fabric main record exists for client
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-iplearn] [8522]: (info): MAC: e4b3.187c.3058 IP-learn state transition: S_IPLEARN_COMPLETE -> S_IPLEARN_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {mobilityd_R0-0}{1}: [mm-transition] [19496]: (info): MAC: e4b3.187c.3058 MMFSM transition: S_MC_RUN -> S_MC_HANDOFF_END_RCVD_TR on E_MC_HANDOFF_END_RCVD from WNC0[0]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dpath_svc] [8522]: (note): MAC: e4b3.187c.3058 Client datapath entry deleted for ifid 0xfa0000001
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-transition] [8522]: (info): MAC: e4b3.187c.3058 MMIF FSM transition: S_MA_LOCAL -> S_MA_DELETE_PROCESSED_TR on E_MA_CO_DELETE_RCVD
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-client] [8522]: (ERR): MAC: e4b3.187c.3058 Invalid transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8522]: (info): Sanet App Event EV_SESSION_DELETE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8522]: (info): [e4b3.187c.3058:capwap_90000003] Disconnect request from SANET-SHIM (12) for e4b3.187c.3058 / 0xfb6000001 - term: service-unavailable, abort: Unknown, disc: session disconnect
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [aaa-attr-inf] [8522]: (info): [ Applied attribute :bsn-vlan-interface-name 0 "VLAN2602" ]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [aaa-attr-inf] [8522]: (info): [ Applied attribute : timeout 0 1800 (0x708) ]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-auth] [8522]: (info): MAC: e4b3.187c.3058 Client auth-interface state transition: S_AUTHIF_PSK_AUTH_DONE -> S_SANET_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dot11] [8522]: (info): MAC: e4b3.187c.3058 Sent deauth to client, deauth reason: 252, CLIENT_DEAUTH_REASON_ADMIN_RESET delete reason: 5, CO_CLIENT_DELETE_REASON_BSSID_DOWN.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dot11] [8522]: (info): MAC: e4b3.187c.3058 DOT11 state transition: S_DOT11_ASSOCIATED -> S_DOT11_DELETED
```

بب س ل ل:

جهنلا فيرعت فلم وأ SSID لي طعت مت وأ ةي موسرلا مدختس ملة ةه جاو في تاريخي غت ءارج م ت ايودي.

لحل:

جات نإل تا عاس في جهنلا تافي صوت وأ SSIDs لىل تاريخي غت ءارج بنجت، يداع كولس اذه.

ةك بشللا نم ايودي لىم علة لازل م ت

لحل ل ل ل ل ل:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [8522]: (info): MAC: e4b3.187c.3058 Deleting the client, reason: 12, CO_CLIENT_DELETE_REASON_ADMIN_RESET, Client state S_CO_RUN
YYYY/DD/MM HH:MM:SS.xxx {mobilityd_R0-0}{1}: [mm-transition] [19496]: (info): MAC: e4b3.187c.3058 MMFSM transition: S_MC_RUN -> S_MC_HANDOFF_END_RCVD_TR on E_MC_HANDOFF_END_RCVD from WNC0[0]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [8522]: (note): MAC: e4b3.187c.3058 Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_ADMIN_RESET
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [8522]: (note): MAC: e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-qos-client] [8522]: (ERR): MAC: e4b3.187c.3058 Fail to get qos lib ctxt while handle sip cac on client delete
```

```

YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [multicast-main] [8522]: (info): MAC: e4b3.187c.3058
No Flex/Fabric main record exists for client
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-iplearn] [8522]: (info): MAC: e4b3.187c.3058
IP-learn state transition: S_IPLEARN_COMPLETE -> S_IPLEARN_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dpath_svc] [8522]: (note): MAC: e4b3.187c.3058 Client
datapath entry deleted for ifid 0xfa000001
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-transition] [8522]: (info): MAC: e4b3.187c.3058
MMIF FSM transition: S_MA_LOCAL -> S_MA_DELETE_PROCESSED_TR on E_MA_CO_DELETE_RCVD
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-client] [8522]: (ERR): MAC: e4b3.187c.3058 Invalid
transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [wncd_0] [8522]: (info): Sanet App Event
EV_SESSION_DELETE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [auth-mgr] [8522]: (info):
[e4b3.187c.3058:capwap_90000003] Disconnect request from SANET-SHIM (12) for e4b3.187c.3058 /
0x30000003 - term: admin-reset, abort: Unknown, disc: session disconnect
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [aaa-attr-inf] [8522]: (info): [ Applied attribute
:bsn-vlan-interface-name 0 "VLAN2602" ]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [aaa-attr-inf] [8522]: (info): [ Applied attribute :
timeout 0 1800 (0x708) ]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-auth] [8522]: (info): MAC: e4b3.187c.3058
Client auth-interface state transition: S_AUTHIF_PSK_AUTH_DONE -> S_SANET_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dot11] [8522]: (info): MAC: e4b3.187c.3058 Sent
deauth to client, deauth reason: 252, CLIENT_DEAUTH_REASON_ADMIN_RESET delete reason: 12,
CO_CLIENT_DELETE_REASON_ADMIN_RESET.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dot11] [8522]: (info): MAC: e4b3.187c.3058 DOT11
state transition: S_DOT11_ASSOCIATED -> S_DOT11_DELETED

```

بب س ل:

رم أو أ ل رطس ة ه ج ا و ة ط س ا و ب ة ك ب ش ل ل ن م ا ي و د ي ل م ع ل ا ل ا ز ا ت م ت (CLI):

```
# wireless client mac-address aaaa.bbbb.cccc deauthenticate
```

ة م و س ر ل ل م د خ ت س م ل ا ة ه ج ا و ة ط س ا و ب و أ (GUI):

The screenshot shows a network management interface. On the left is a dark sidebar with menu items: Dashboard, Monitoring (highlighted with a red box), Configuration, Administration, and Troubleshooting. The main area is titled 'Clients' and has three tabs: 'Clients' (highlighted with a red box), 'Sleeping Clients', and 'Excluded Clients'. Below the tabs is a blue 'Delete' button (highlighted with a red box). A summary line reads 'Total Client(s) in the Network: 1'. Below that is a table with columns: Client MAC Address, IPv4/IPv6 Address, and AP Name. One row is shown with MAC address e4:b3:18:7c:30:58, IP address 172.16.1.253, and AP Name 3702-02. A green checkmark in a box (highlighted with a red box) is next to the MAC address, indicating it is selected for deletion. At the bottom, there are navigation arrows and a dropdown menu set to '10 items per page'.

ل ج ل:

م د خ ت س م ل ا ه ا د ب ي د ا ع ك و ل س ، ا ل ب .

EAP ة ل ه م ة ا ه ت ن ا ب ب س ب ل ا ص ت ا ل ا ع ط ق م ت

## لجسلا للاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [errmsg] [8681]: (note): %DOT1X-5-FAIL: Authentication
failed for client (0874.0277.1345) with reason (Timeout) on Interface capwap_90800003
AuditSessionID 34AD580A0000000D7F735399
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Authc failure from Dot1X, Auth event timeout
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] (Re)try failed method Dot1X - 0874.0277.1345
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Retrying (count 3) method dot1x
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-orch-sm] [8681]: (info): MAC: 0874.0277.1345
Deleting the client, reason: 7, CO_CLIENT_DELETE_REASON_CONNECT_TIMEOUT, Client state
S_CO_L2_AUTH_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-orch-sm] [8681]: (note): MAC: 0874.0277.1345
Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_CONNECT_TIMEOUT
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-orch-state] [8681]: (note): MAC:
0874.0277.1345 Client state transition: S_CO_L2_AUTH_IN_PROGRESS -> S_CO_DELETE_IN_PROGRESS
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [mm-transition] [8681]: (info): MAC: 0874.0277.1345
MMIF FSM transition: S_MA_INIT -> S_MA_LOCAL_DELETE_PROCESSED_TR on E_MA_CO_DELETE_RCVD
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [mm-client] [8681]: (ERR): MAC: 0874.0277.1345 Client
not present in DB. Responding to CO with Delete Ack
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [wncd_2] [8681]: (info): Sanet App Event
EV_SESSION_DELETE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Disconnect request from SANET-SHIM (12) for 0874.0277.1345 /
0x30000003 - term: supplicant-restart, abort: Unknown, disc: authorization failure
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-auth] [8681]: (info): MAC: 0874.0277.1345
Client auth-interface state transition: S_AUTHIF_DOT1XAUTH_PENDING -> S_SANET_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [dot11] [8681]: (info): MAC: 0874.0277.1345 Sent
death to client, death reason: 252, CLIENT_DEAUTH_REASON_ADMIN_RESET delete reason: 7,
CO_CLIENT_DELETE_REASON_CONNECT_TIMEOUT.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [dot11] [8681]: (info): MAC: 0874.0277.1345 DOT11
state transition: S_DOT11_ASSOCIATED -> S_DOT11_DELETED
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-auth] [8681]: (info): MAC: 0874.0277.1345
Client auth-interface state transition: S_SANET_DELETE_IN_PROGRESS -> S_AUTHIF_DELETED
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [wncd_2] [8681]: (info): Sanet eventQ: EAP_CORE_MQ,
message:2
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-orch-state] [8681]: (note): MAC:
0874.0277.1345 Client state transition: S_CO_DELETE_IN_PROGRESS -> S_CO_DELETED
```

## ببسل:

اهل اسرام تي يتلا (EAP) عسوتملا عقداصملا لوكوتورب ةمزحل ليمعلا بيجتسي ال  
لصافلا لخاد 9800 مقرر (WLC) ةيكلسلاللا ةيحلحمالا ةكبشلا يف مكحتلا رصنع ةطساوب  
EAP-Request ب ةصاخلا ةلواحمالا ةداعا تارم ددعل ىصقألا دحلا الو EAP-Request ةلهم ءاهت نال ينمزل  
Request.

## ةنكمملا لولحلا:

- جم انرب ثدحأ ىلى لكلساللا لىمىمىل لىغشث جمارب ثىدحىب مق
- كىكلساللا لىمىمىل ةقثب ةصاخلا RADIUS ةداهش نامض
- ةلواحم ةداعإ تاىلمعمل ىصقألا دحلا وأو EAP-Request ةلهم ةدايز

CLI:

```
# config t
# wireless security dot1x request retries <0-20>
# wireless security dot1x timeout <1-120 seconds>
```

GUI:

ةبولطملا تاداعإلا صىصختو Configuration > Security > Advanced EAP ىلى لقتنا

AP وىدار نىبىعت ةداعإ ببسب لاصتالا عطق مت

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [apmgr-capwap-config] [8621]: (info): f07f.06ee.f590
Radio: 1 is Operationally DOWN.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [apmgr-db] [8621]: (note): MAC: f07f.06ee.f590 Radio 1
is disabled, on receiving change state event message from AP
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [radio-history-reset] [8621]: (info): Radio reset of
the AP f07f.06ee.f590 Slot:1 Band:802.11a due to Cause:0, Detailed Cause : 56 - Interface UP for
Channel Change
YYYY/DD/MM HH:MM:SS.xxx {mobilityd_R0-0}{1}: [mm-transition] [19496]: (info): MAC:
e4b3.187c.3058 MMFSM transition: S_MC_RUN -> S_MC_HANDOFF_END_RCVD_TR on E_MC_HANDOFF_END_RCVD
from WNCd[1]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-sm] [8621]: (info): MAC: e4b3.187c.3058
Deleting the client, reason: 5, CO_CLIENT_DELETE_REASON_BSSID_DOWN, Client state S_CO_RUN
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-sm] [8621]: (note): MAC: e4b3.187c.3058
Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_BSSID_DOWN
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-state] [8621]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dpath_svc] [8621]: (note): MAC: e4b3.187c.3058 Client
datapath entry deleted for ifid 0xfa000001
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [mm-transition] [8621]: (info): MAC: e4b3.187c.3058
MMIF FSM transition: S_MA_LOCAL -> S_MA_DELETE_PROCESSED_TR on E_MA_CO_DELETE_RCVD
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [mm-client] [8621]: (ERR): MAC: e4b3.187c.3058 Invalid
transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [wncd_1] [8621]: (info): Sanet App Event
EV_SESSION_DELETE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [auth-mgr] [8621]: (info):
[e4b3.187c.3058:capwap_90400003] Disconnect request from SANET-SHIM (12) for e4b3.187c.3058 /
0xf89000008 - term: service-unavailable, abort: Unknown, disc: session disconnect
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-auth] [8621]: (info): MAC: e4b3.187c.3058
Client auth-interface state transition: S_AUTHIF_PSK_AUTH_DONE -> S_SANET_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dot11] [8621]: (info): MAC: e4b3.187c.3058 Sent
deauth to client, deauth reason: 252, CLIENT_DEAUTH_REASON_ADMIN_RESET delete reason: 5,
CO_CLIENT_DELETE_REASON_BSSID_DOWN.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dot11] [8621]: (info): MAC: e4b3.187c.3058 DOT11
state transition: S_DOT11_ASSOCIATED -> S_DOT11_DELETED
```



ببببب:

نبيعت ةداعإ لىلأ دأ امم ، ةقاطلا وأ ةانقلا اب انرتقم لىمعلناك لىلأ لوصولا ةطقن تريغ وىدارلأ.

ةنكمملا لولحلأ:

- يعىبب كولس اذه
- ريغت ةانق لعجى نأ حمسى 9800 WLC لآ ةرم فىك تللكش عىطتسى تنأ

CLI:

```
# config t
# ap dot11 { 5ghz | 24ghz } rrm channel dca interval <0-24>

Valid values 1,2,3,4,6,8,12 and 24 hours, 0 = 10 minutes (default)
```

GUI:

لىلأ لىلأ لىلأ Configuration > Radio Configurations > RRM > 5 GHz Band/2.4 GHz Band > DCA > Increase Interval Setting.

بىو ةقداصم ةلهم ءاهتنا ببببب لاصتال عطقم

لجسلا لاثم:

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Authc failure from WebAuth, Auth event no-response
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [wncd_2] [8681]: (info): Sanet eventQ: AUTH_MGR_MQ,
message:6
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [wncd_2] [8681]: (info): Sanet App Event
EV_SESSION_AUTHC_FAILED
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] AUTHC_FAIL - unauthorize by default
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [9800 WLC-infra-evq] [8681]: (ERR): Authc failure for
mac 0874.0277.1345, username , audit session id 34AD580A0000000E7FFA4ED8, Failure reason: No
Response from Client
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Signalling Authc fail for client 0874.0277.1345
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [errmsg] [8681]: (note): %SESSION_MGR-5-FAIL:
Authorization failed or unapplied for client (0874.0277.1345) on Interface capwap_90800003
AuditSessionID 34AD580A0000000E7FFA4ED8. Failure reason: Authc fail. Authc failure reason: No
Response from Client.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [auth-mgr] [8681]: (info):
[0874.0277.1345:capwap_90800003] Authz failed/unapplied for 0x08000004 (0874.0277.1345), method:
webauth. Signal switch PI.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [wncd_2] [8681]: (info): Sanet App Event
EV_SESSION_AUTHZ_FAILED
.
.
.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-2}{1}: [client-auth] [8681]: (info): MAC: 0874.0277.1345
Client auth-interface state transition: S_AUTHIF_WEBAUTH_PENDING -> S_AUTHIF_WEBAUTH_PENDING
```

YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-auth] [8681]: (ERR): MAC: 0874.0277.1345 L3 Authentication FAIL.  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-auth] [8681]: (info): MAC: 0874.0277.1345 Client auth-interface state transition: S\_AUTHIF\_WEBAUTH\_PENDING -> S\_WAIT\_FOR\_CO\_DELETE  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [9800 WLC-infra-evq] [8681]: (ERR): WLAN profile = prof-name, Policy profile = default-policy-profile, AP name = AP1702-05  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-orch-sm] [8681]: (info): MAC: 0874.0277.1345 Deleting the client, reason: 0, CO\_CLIENT\_DELETE\_REASON\_NONE, Client state S\_CO\_L3\_AUTH\_IN\_PROGRESS  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-orch-sm] [8681]: (note): MAC: 0874.0277.1345 Client delete initiated. Reason: CO\_CLIENT\_DELETE\_REASON\_NONE  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-orch-state] [8681]: (note): MAC: 0874.0277.1345 Client state transition: S\_CO\_L3\_AUTH\_IN\_PROGRESS -> S\_CO\_DELETE\_IN\_PROGRESS  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [9800 WLC-qos-client] [8681]: (ERR): MAC: 0874.0277.1345 Fail to get qos lib ctxt while handle sip cac on client delete  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [multicast-main] [8681]: (info): MAC: 0874.0277.1345 No Flex/Fabric main record exists for client  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-iplearn] [8681]: (info): MAC: 0874.0277.1345 IP-learn state transition: S\_IPLEARN\_COMPLETE -> S\_IPLEARN\_DELETE\_IN\_PROGRESS  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [dpath\_svc] [8681]: (note): MAC: 0874.0277.1345 Client datapath entry deleted for ifid 0xfa0000002  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [mm-transition] [8681]: (info): MAC: 0874.0277.1345 MMIF FSM transition: S\_MA\_LOCAL -> S\_MA\_DELETE\_PROCESSED\_TR on E\_MA\_CO\_DELETE\_RCVD  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [mm-client] [8681]: (ERR): MAC: 0874.0277.1345 Invalid transmitter ip in build client context  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [wncd\_2] [8681]: (info): Sanet App Event EV\_SESSION\_DELETE  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [auth-mgr] [8681]: (info): [0874.0277.1345:capwap\_90800003] Disconnect request from SANET-SHIM (12) for 0874.0277.1345 / 0x08000004 - term: none, abort: Unknown, disc: (default)  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [aaa-attr-inf] [8681]: (info): [ Applied attribute :bsn-vlan-interface-name 0 "VLAN2602" ]  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [aaa-attr-inf] [8681]: (info): [ Applied attribute : timeout 0 1800 (0x708) ]  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [client-auth] [8681]: (info): MAC: 0874.0277.1345 Client auth-interface state transition: S\_WAIT\_FOR\_CO\_DELETE -> S\_SANET\_DELETE\_IN\_PROGRESS  
YYYY/DD/MM HH:MM:SS.xxx {mobilityd\_R0-0}{1}: [mm-transition] [19496]: (info): MAC: 0874.0277.1345 MMFSM transition: S\_MC\_RUN -> S\_MC\_HANDOFF\_END\_RCVD\_TR on E\_MC\_HANDOFF\_END\_RCVD from WNCd[2]  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-2}{1}: [dot11] [8681]: (info): MAC: 0874.0277.1345 DOT11 state transition: S\_DOT11\_ASSOCIATED -> S\_DOT11\_DELETED

بب س ل ل:

(ةيناث 120 يل اوح) هب حوم س م ل ا تقولا ل الخ بي و ل ا ق د اص م ل ي م ع ل ل م ك ي م ل

ل ح ل ل:

ةيناث 120 ل الخ بي و ل ا ق د اص م ل ا ل م ع ل ل ا م ك ا ن م د ك ا ت

ل م ع ل ل ا ق د اص م ل ا ل م ع ل ل ا م ك ا ن م د ك ا ت

ل ح س ل ل ل ا ث م:

YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-1}{1}: [client-auth] [8621]: (info): MAC: e4b3.187c.3058 Client auth-interface state transition: S\_AUTHIF\_PSK\_AUTH\_DONE -> S\_SANET\_DELETED  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-1}{1}: [client-orch-sm] [8621]: (info): MAC: e4b3.187c.3058 Deleting the client, reason: 23, CO\_CLIENT\_DELETE\_REASON\_SESSION\_TIMEOUT, Client state S\_CO\_RUN  
YYYY/DD/MM HH:MM:SS.xxx {wncd\_x\_R0-1}{1}: [client-orch-sm] [8621]: (note): MAC: e4b3.187c.3058

```

Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_SESSION_TIMEOUT
YYYY/DD/MM HH:MM:SS.xxx {mobilityd_R0-0}{1}: [mm-transition] [19496]: (info): MAC:
e4b3.187c.3058 MMFSM transition: S_MC_RUN -> S_MC_HANDOFF_END_RCVD_TR on E_MC_HANDOFF_END_RCVD
from WNCd[1]
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-state] [8621]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [9800 WLC-qos-client] [8621]: (ERR): MAC:
e4b3.187c.3058 Fail to get qos lib ctxt while handle sip cac on client delete
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [multicast-main] [8621]: (info): MAC: e4b3.187c.3058
No Flex/Fabric main record exists for client
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-iplearn] [8621]: (info): MAC: e4b3.187c.3058
IP-learn state transition: S_IPLEARN_COMPLETE -> S_IPLEARN_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dpath_svc] [8621]: (note): MAC: e4b3.187c.3058 Client
datapath entry deleted for ifid 0xfa0000001
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [mm-transition] [8621]: (info): MAC: e4b3.187c.3058
MMIF FSM transition: S_MA_LOCAL -> S_MA_DELETE_PROCESSED_TR on E_MA_CO_DELETE_RCVD
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [mm-client] [8621]: (ERR): MAC: e4b3.187c.3058 Invalid
transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-auth] [8621]: (info): MAC: e4b3.187c.3058
Client auth-interface state transition: S_SANET_DELETED -> S_AUTHIF_DELETED
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dot11] [8621]: (info): MAC: e4b3.187c.3058 Sent
deauth to client, deauth reason: 252, CLIENT_DEAUTH_REASON_ADMIN_RESET delete reason: 23,
CO_CLIENT_DELETE_REASON_SESSION_TIMEOUT.
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [dot11] [8621]: (info): MAC: e4b3.187c.3058 DOT11
state transition: S_DOT11_ASSOCIATED -> S_DOT11_DELETED
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-state] [8621]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_DELETE_IN_PROGRESS -> S_CO_DELETED

```

بب س ل:

هه بصاخلا لمعلا ةس ل ةلهم لي معلا غلب

ةنك م م ل لول حل:

- يعي بط كولس اذه
- ب SSID ةنرت ق م ل ا جهن ل ل في رعت فلم لمع ةس ل ةلهم ةدايز

CLI:

```

# config t
# wireless profile policy <policy-profile-name>
# shutdown
# session-timeout <20-86400 seconds>
# no shutdown

```

GUI:

صي ص خ ت و Configuration > Tags & Profiles > Policy > Policy Profile Name > Advanced > WLAN Timeout  
 ةج ا حل ب س ح ت ي ق و ت ل ا د ح و

ل و م خ ل ا ةلهم بب س ب ل اص ت ا ل ع ط ق م ت

ل ج س ل ل ا ث م:

```

YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [7807]: (note): MAC: e4b3.187c.3058
Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_MN_IDLE_TIMEOUT
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [7807]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-qos-client] [7807]: (ERR): MAC:
e4b3.187c.3058 Fail to get qos lib ctxt while handle sip cac on client delete
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dpath_svc] [7807]: (note): MAC: e4b3.187c.3058 Client
datapath entry deleted for ifid 0xfa0000002
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-client] [7807]: (ERR): MAC: e4b3.187c.3058 Invalid
transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [7807]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_DELETE_IN_PROGRESS -> S_CO_DELETED

```

بببب:

م يذلي ينمزل لصال لالخالخ (ةيفاك رورم ةكرح وأ) تانايبال رورم ةكرح ليمعال لسري مل ةلمخال ةلهملل هنيوكت.

ةنكمملا لولخال:

- يعيبط كولس اذه
- ب SSID ةنرتقملا ةلمخال ةسايسلا عضو تاداعل صيصخت

CLI:

```

# config t
# wireless profile policy <policy-profile-name>
# shutdown
# idle-timeout <15-100000 seconds>
# idle-threshold <0-4294967295 bytes>
# no shutdown

```

GUI:

صيصخت و WLAN Timeout > Configuration > Tags & Profiles > Policy > Policy Profile Name > Advanced > Configuration > Tags & Profiles > Policy > Policy Profile Name > Advanced > WLAN Timeout

ةكرح نم رادقم يا لاسرا ليل ليمعال جاتحيسف ، لومخال دح نيوكتب مقتمل اذا: ةطخالمل ، لومخال ةبتع نيوكت ةلاحي في لاصلال عطق مدعل ةلمخال ةلهمل ةرتف لالخال رورملا عطق مدعل لومخال ةلهمل نمض تيبال تادحو نم غلبملا اذه لاسرا ليمعال يلع بجي جاتحي ، ةيناث 30 نم ةلماخ ةلهمو تيبال تادحو 10 نم ةلماخ ةبتع نيوكت يا) لاصلال 30 لك رورملا ةكرح نم تيبال تادحو 10 نع لقي الام لاسرا ليل نويكلساللا مالعلا (ةكبشلاب لاصلال عطق مدعل ةيناث).

SSIDs نيب ليمعال لقنم

لجسلا لالم:

```

YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [7807]: (note): MAC: e4b3.187c.3058
Association received. BSSID f07f.06ee.f59d, old BSSID f07f.06ee.f59e, WLAN 1, Slot 1 AP
f07f.06ee.f590, 3702-02

```

```
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [7807]: (ERR): MAC: e4b3.187c.3058
Failed to start dot11 processing. Failed to populate client record in DB
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [7807]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_RUN
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-sm] [7807]: (note): MAC: e4b3.187c.3058
Client delete initiated. Reason: CO_CLIENT_DELETE_REASON_WLAN_CHANGE
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [7807]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_RUN -> S_CO_DELETE_IN_PROGRESS
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [9800 WLC-qos-client] [7807]: (ERR): MAC:
e4b3.187c.3058 Fail to get qos lib ctxt while handle sip cac on client delete
YYYY/DD/MM HH:MM:SS.xxx {fman_fp_F0-0}{1}: [wireless-client] [10254]: UUID: 1000000006930, ra: 5
(note): WLCLIENT 0xa0000002 pd_hdl 0x33 AOM delete succeeded
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [dpath_svc] [7807]: (note): MAC: e4b3.187c.3058 Client
datapath entry deleted for ifid 0xfa0000002
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [mm-client] [7807]: (ERR): MAC: e4b3.187c.3058 Invalid
transmitter ip in build client context
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-0}{1}: [client-orch-state] [7807]: (note): MAC:
e4b3.187c.3058 Client state transition: S_CO_DELETE_IN_PROGRESS -> S_CO_DELETED
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-sm] [8009]: (note): MAC: e4b3.187c.3058
Association received. BSSID 00c8.8b26.d79d, old BSSID 0000.0000.0000, WLAN 1, Slot 1 AP
00c8.8b26.d790, AP-1700-x
YYYY/DD/MM HH:MM:SS.xxx {wncd_x_R0-1}{1}: [client-orch-state] [8009]: (note): MAC:
e4b3.187c.3058 Client state transition: client_orch_sm_state__none -> S_CO_ASSOCIATING
```

بب سلا:

رخ آ فرعم ىل هلقن مت و SSID فرعم ب لىمعال لى صوت مت

ةنك ممال لولحال:

- يعى بط كولس
- لىمعال نم ىناثال SSID ةلازا

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت  
ملاعلاء انءمچي فني مدختسمل معدى وتحم مي دقتل ةيرشبل او  
امك ةقيقد نوك تنل ةللأل ةمچرت لصف أن ةظحال مچري. ةصاخل مهتبل ب  
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه  
ىل إأمئاد ةوچرلاب ي صؤت وتامچرتل هذه ةقدنع اهتيل وئسم Cisco  
Systems (رفوتم طبارل) ي لصلأل يزي لچن إل دن تسمل