

# LDAP لة قداصم عم Catalyst 9800 WLC نيوكت Web-auth و 802.1X

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## ةمدقمل

ام ب لدان LDAP عم نوبز تقداصم 9800 in order to ةزافح ةدام لكشي نأ فيك ةقيثو اذه فصبي  
تاغوسم مدختسملل تايطعم ةدعاقلا نأ

## ةيساسأل تابلطتمل

### تابلطتمل

ةيلالل عيضاوملاب ةفرعم كيدل نوكت نأ Cisco ي صوت

- Microsoft Windows مداوخ
- LDAP تانايب ةدعاق ي أو Active Directory

### ةمدختسمل تانوكمل

رادصلل Cisco IOS®-XE ماظن ب لمعت يتلل C9100 (AP) لوصول ةطقن يلعل C9800 EWC  
17.3.2a

QNAP نم (NAS) ةكبش لل لوصول نيخت ةدحوب دوزملل (AD) Microsoft Active Directory مداخ

## LDAP تانايې ددعاقك لمعت يتلا

ةصاخ ةي لمعم ةئيې يف ةدوجوملا ةزهجالا نم دنتسملا اذه يف ةدراوللا تامولعمللا ءاشنإ م تناك اذإ. (يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسملا ةزهجالا عيمج تادب رمأ يال لمحتملا ريثاتلل كمهف نم دكأتف، ليغشتلا ديقتك تكتبش

## WebAuth ل SSID مادختساب LDAP نيوكت

### ةكبش ل ليطيختلا مسرلا

ادج طيسب دادعإ ل اذانتسا ةلاقملا هذه تبتك

EWC AP 9115 لوصول ةطقن IP 192.168.1.15 عم

Active Directory عم IP 192.168.1.192 مداخ

EWC نم ةيلخادلا لوصول ةطقن ب لصتي ليمع

### مكحتلا ةدحو نيوكت

LDAP مداخ نيوكت 1. ةوطخلا

ةفاضل + قوف رقن او LDAP > تاعومجملا/مداوخل > AAA > نامألا > نيوكتلا ل لقتنا

The screenshot shows the Cisco Embedded Wireless Controller configuration interface. The breadcrumb navigation is Configuration > Security > AAA. There is a search bar for menu items and a sidebar with navigation options: Dashboard, Monitoring, Configuration (selected), Administration, Licensing, and Troubleshooting. The main content area shows the AAA configuration page with a '+ AAA Wizard' button and tabs for Servers / Groups, AAA Method List, and AAA Advanced. Under the Servers / Groups tab, there are '+ Add' and 'x Delete' buttons. A table lists the configured AAA methods: RADIUS, TACACS+, and LDAP (highlighted). A modal window is open showing the 'Servers' tab with a table containing one entry: NAS.

Servers	
	Name
<input type="checkbox"/>	NAS

مهف" مسق عجار، لقق لك حرشل. ليصافتلا ةئبعتب مقوكب صاخلا LDAP مداخل امسا رتخأ دنتسملا اذهب "LDAP مداخ ليصافت

Server Name*	AD					
Server Address*	192.168.1.192	ⓘ Provide a valid Server address				
Port Number*	389					
Simple Bind	Authenticated	▼				
Bind User name*	Administrator@lab.cor					
Bind Password *	.					
Confirm Bind Password*	.					
User Base DN*	CN=Users,DC=lab,DC:					
User Attribute		▼				
User Object Type		+				
<table border="1"> <thead> <tr> <th>User Object Type</th> <th>Remove</th> </tr> </thead> <tbody> <tr> <td>Person</td> <td>×</td> </tr> </tbody> </table>			User Object Type	Remove	Person	×
User Object Type	Remove					
Person	×					
Server Timeout (seconds)	0-65534					
Secure Mode	<input type="checkbox"/>					
Trustpoint Name		▼				

زاهجلا ىلع قيبطتو ثيدحت قوف رقنلاب ظفح

رم اوأ CLI:

```
ldap server AD ipv4 192.168.1.192 bind authenticate root-dn Administrator@lab.com password 6
WCGYHKTDQPV]DeaHLSFF_GZ[E_MNi_AAB base-dn CN=Users,DC=lab,DC=com search-filter user-object-type
Person
```

LDAP مداوله وعومجم نيوكت 2. ةوطخلا

رقن او مداوله تاعومجم > LDAP > تاعومجم الم / مداوله ال > AAA > نيوكت ال ال لقتنا  
ةفاضل + قوف

+ AAA Wizard

Servers / Groups

AAA Method List

AAA Advanced

+ Add

× Delete

RADIUS

TACACS+

LDAP

Servers

Server Groups

Name	Server 1	Ser
<input type="checkbox"/> Idapgr	AD	N/A

1 10 items per page

ةق باس لة ووطخل ايف هنيوكتب تمق يذلا LDAP م داخ فضا أو امسا لخدأ

Name\*

Idapgr

Group Type

LDAP

Available Servers

Assigned Servers

NAS

AD

ظ فحلل قي ببطب مقو شي دحت قوف رقنا

رم او CLI :

```
aaa group server ldap ldapgr server AD
```

ةق دا صم بولسا نيوكت 3. ةوطخل

ةفاضا + رقنا وةق دا صم ل > AAA قرط ةمئاق > AAA > نيمأتلا > نيوكتلا ل لقتنا

+ AAA Wizard

Servers / Groups **AAA Method List** AAA Advanced

Authentication				
+ Add    × Delete				
	Name	Type	Group Type	Group1
<input type="checkbox"/>	default	login	local	N/A
<input type="checkbox"/>	ldapauth	login	group	ldapgr

اقبس م اهن يوك ت مت ي ت ال LDAP م داوخ ة عوم جم ي ل ا رش أو لو خ دل ا لي ج ست ع ون رت خ او ، ام سا ل خ د ا

### Quick Setup: AAA Authentication

Method List Name\*

Type\*  ⓘ

Group Type  ⓘ

Fallback to local

#### Available Server Groups

radius  
ldap  
tacacs+



#### Assigned Server Groups

ldapgr



رم او ا CLI :

```
aaa authentication login ldapauth group ldapgr
```

AAA ض ي و ف ت ب و ل س ا ن ي و ك ت . 4 ة و ط خ ل ا

ة ف ا ض ا + ق و ف ر ق ن او ض ي و ف ت ل ا > AAA ق ر ط ة م ئ ا ق > AAA > ن ا م ا ل ا > ن ي و ك ت ل ا ي ل ا ل ق ت ن ا



+ AAA Wizard

<b>Global Config</b>	Local Authentication	Method List
RADIUS Fallback	Authentication Method List	ldapauth
Attribute List Name	Local Authorization	Method List
Device Authentication	Authorization Method List	ldapauth
AP Policy	Radius Server Load Balance	DISABLED
Password Policy	Interim Update	<input type="checkbox"/>
AAA Interface	<a href="#">Show Advanced Settings &gt;&gt;&gt;</a>	

أوامر CLI :

```
aaa local authentication ldapauth authorization ldapauth
```

webAuth-map لمدى عمل م نيوكت 6. ةوطخل

ةماعل ةطيرخل ريرحت و بيول ةقداصم > نامأل > نيوكتل لى ل لقتنا

Configuration > Security > **Web Auth**

+ Add   × Delete

	Parameter Map Name
<input type="checkbox"/>	global

1   10 items per page

ةيعرفل ةكبش ل/IP ةكبش زج م تي) 192.0.2.1 لثم يرهاظ IPv4 ناوع نيوكت نم دكأت (هوجوتل ل لباقل ريرغ يرهاظ ل IP لوكوت و ربل ةددمل).

## Edit Web Auth Parameter

General

Advanced

Parameter-map name	<input type="text" value="global"/>
Banner Type	<input checked="" type="radio"/> None <input type="radio"/> Banner Text <input type="radio"/> Banner Title <input type="radio"/> File Name
Maximum HTTP connections	<input type="text" value="100"/>
Init-State Timeout(secs)	<input type="text" value="120"/>
Type	<input type="text" value="webauth"/>
Virtual IPv4 Address	<input type="text" value="192.0.2.1"/>
Trustpoint	<input type="text" value="--- Select ---"/>
Virtual IPv4 Hostname	<input type="text"/>
Virtual IPv6 Address	<input type="text" value=":::~::~"/>
Web Auth intercept HTTPs	<input type="checkbox"/>
Watch List Enable	<input type="checkbox"/>
Watch List Expiry Timeout(secs)	<input type="text" value="600"/>
Captive Bypass Portal	<input type="checkbox"/>
Disable Success Window	<input type="checkbox"/>
Disable Logout Window	<input type="checkbox"/>
Disable Cisco Logo	<input type="checkbox"/>
Sleeping Client Status	<input type="checkbox"/>
Sleeping Client Timeout (minutes)	<input type="text" value="720"/>

ظفحلل قي بطت قوف رقنا .

رم اوأ CLI :

```
parameter-map type webauth global type webauth virtual-ip ipv4 192.0.2.1
```

7 ةوطخلأ WLAN J WebAuth ةكبش نيوكت .



## ةفاضل+ رقن او WLAN تاكبش > نيوكتللا لى لقتنا

### Edit WLAN

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

**General** Security Add To Policy Tags

⚠ Please add the WLANs to Policy Tags for them to broadcast.

Profile Name*	webauth	Radio Policy	All
SSID*	webauth	Broadcast SSID	ENABLED <input checked="" type="checkbox"/>
WLAN ID*	2		
Status	ENABLED <input checked="" type="checkbox"/>		

ناما بيوكتللا عمال لى لقتنا م، نيوكتللا لى ف هنا نم دأتو، مسالا نيوكتب مق

لاقنالا لى طعت نمو ناما دوجو مدع نم دأت، 2 ةقبطالا لى عرفال بيوكتللا عمال لى ف لى رسال.

### Edit WLAN

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

**General** **Security** Add To Policy Tags

**Layer2** Layer3 AAA

Layer 2 Security Mode	None	Lobby Admin Access	<input type="checkbox"/>
MAC Filtering	<input type="checkbox"/>	Fast Transition	Disabled
OWE Transition Mode	<input type="checkbox"/>	Over the DS	<input type="checkbox"/>
		Reassociation Timeout	20

لى تمام لى عمللا طرخ نى نى عتو، بىولا سايس نى نى كمتب مق، 3 ةقبط بيوكتللا عمال لى ف ه نيوكت متب لى ال AAA لوخدلا لى جست ةقيرط لى لى ةقداصلما ةمئاق نى نى عتو، بىوموم اق بس م.

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

General **Security** Add To Policy Tags

Layer2 **Layer3** AAA

Show Advanced Settings >>>

Web Policy

Web Auth Parameter Map

Authentication List  ⓘ

*For Local Login Method List to work, please make sure the configuration 'aaa authorization network default local' exists on the device*

## قيبطت قوف رقنلاب ظفح

رم اوأ CLI :

```
wlan webauth 2 webauth no security ft adaptive no security wpa no security wpa wpa2 no security
wpa wpa2 ciphers aes no security wpa akm dot1x security web-auth security web-auth
authentication-list ldapauth security web-auth parameter-map global no shutdown
```

## SSID ثب نم دكأت 8 ةوطخلل

ةسايسلا فيرعت فلم في SSID نيمضت نم دكأت وزيفيتمتلا تامالع > نيوكتلل لىل لقتنا اذ ديدج ديدج نيوكتل ةيضارتفالا جهنلا ةمالع) SSID ةطساوب ايلاح هتمدخ متت يذلا ةيضارتفالا ةسايسلا ةمالع ثب ال ،يضارتفا لكشب .(دعب تامالع نيوكتب مقت مل ايودي اهنيمضتت موقت ىتح اهئاشناب موقت ةديج SSIDs

عزلال كلذب ةيارد لىل كنأ ضررتفتو ةسايسلا فيرعت تافل نم نيوكتل ةلاقملا هذه يظغت ال نم نيوكتلل نم.

## EAP مادختساب) DOT1x SSID مادختساب LDAP نيوكتل (يلحملا

تنتك اذا يلمح EAP نيوكتل اضيأ 9800 لىل 802.1X SSID فرعلم LDAP نيوكتل بلطتي ام ةداع LDAP تانايب ةدعاقب لاصتا عاشنل كيدل RADIUS مداخ نوكي سف ،RADIUS مادختسا ديرت مادختساب يلمح EAP نيوكتب حصني ،نيوكتللا اذه ةلواحم لبقة.ةلاقملا هذه قاطن جراخ كلذو (WLC) ةيكللساللا ةيلحملا ةكبشلا يلمح مكحتل رصنع لىل هنيوكتل مت يلمح مدختسم ،ءاهتال درجم .ةلاقملا هذه ةياهن يلمح عجارملا مسق يلمح نيوكتل لاثم ريفوت متي و،الوا LDAP لىل مدختسملا تانايب ةدعاق لىل ةلواحم كنكمي.

يلحم EAP فيرعت فلم نيوكتل 1. ةوطخلل



أوامر CLI :

```
eap profile PEAP method peap pki-trustpoint TP-self-signed-3059261382
```

LDAP مداخل نيوكت 2. قوطخل

ةفاضل + قوف رقناو LDAP > اعامومجمل/مداوخل AAA > نامألا > نيوكتلا لىل لقتنا

The screenshot shows the Cisco Embedded Wireless Controller configuration interface. The breadcrumb navigation is Configuration > Security > AAA. A search bar is at the top left. The left sidebar contains menu items: Dashboard, Monitoring, Configuration (highlighted), Administration, Licensing, and Troubleshooting. The main content area has a '+ AAA Wizard' button and tabs for Servers / Groups, AAA Method List, and AAA Advanced. Under 'Servers / Groups', there are '+ Add' and 'x Delete' buttons. Below these are sections for RADIUS, TACACS+, and LDAP. A modal window titled 'Servers' is open, showing a table with a 'Name' column and a row for 'NAS' with a checkbox.

مهف" مسق عجار، لقق لك حرشل. لىصافاتلا ةئبعتب مقوكب صاخلا LDAP مداخل امسا رتخأ دنتمسلا اذهب "LDAP مداخل لىصافات

Server Name*	AD					
Server Address*	192.168.1.192	⚠ Provide a valid Server address				
Port Number*	389					
Simple Bind	Authenticated ▼					
Bind User name*	Administrator@lab.cor					
Bind Password *	•					
Confirm Bind Password*	•					
User Base DN*	CN=Users,DC=lab,DC:					
User Attribute	▼					
User Object Type	+					
	<table border="1"> <thead> <tr> <th>User Object Type</th> <th>Remove</th> </tr> </thead> <tbody> <tr> <td>Person</td> <td>×</td> </tr> </tbody> </table>	User Object Type	Remove	Person	×	
User Object Type	Remove					
Person	×					
Server Timeout (seconds)	0-65534					
Secure Mode	<input type="checkbox"/>					
Trustpoint Name	▼					

### زاهجلا ىلع قيبتت و شيدحت قوف رقنلاب ظفح

```
ldap server AD ipv4 192.168.1.192 bind authenticate root-dn Administrator@lab.com password 6 WCGYHKTDQPV]DeaHLSPF_GZ[E_MNi_AAB base-dn CN=Users,DC=lab,DC=com search-filter user-object-type Person
```

LDAP. مداوخة ومجم نيوكت 3. قوطخال

رقناو مداوخة اعمومجم > LDAP > اعمومجم الم / مداوخة ا > AAA > نيوكت الم الى لقتنا ةفاضل+ قوف

+ AAA Wizard

Servers / Groups

AAA Method List

AAA Advanced

+ Add

× Delete

RADIUS

TACACS+

LDAP

Servers Server Groups

Name	Server 1	Ser
<input type="checkbox"/> Idapgr	AD	N/A

1 10 items per page

ةق باسلا ةوطخلال ي ف هنيوكتب تمق يذلا LDAP مداخ فضا أو امسا لخدأ

Name\*

Idapgr

Group Type

LDAP

Available Servers

Assigned Servers

NAS

AD

ظحلل قي ببطب مقو شي دحت قوف رقنا

رم اوأ CLI :

```
aaa group server ldap ldapgr server AD
```

AAA ةقداصم بولسا نيوكت 4. ةوطخلال

ةفاضل+ رقناو ةقداصم الا > AAA قرط ةمئاق > AAA > نيمأتلا > نيوكتلا لىل لقتنا

نم نوكتي دق . طقف يلحمل الى هتراشإ مقو عونلا dot1x ةقداصم بولسا نيوكتب مق  
ةيلحمللا ةكبشلا ي ف مكحتلا رصنع نكلو LDAP مداخ ةومجم الى ةراشإلا يرغمل  
تانايب ةدعاق نا نم مغرلا لىل) انه 802.1X قداصمك لمعي يذلا وه هسفن (WLC) ةيكلساللا

(لېوختال قېرطه فېظويه هذه نكلو، LDAP، لىع ءدوچوم مدختس مل).

## Quick Setup: AAA Authentication

Method List Name\*

ldapauth

Type\*

dot1x



Group Type

local



Available Server Groups

radius  
ldap  
tacacs+  
ldapgr



Assigned Server Groups



أرم CLI:

```
aaa authentication dot1x ldapauth local
```

AAA ضيوفت بولسأ نيوكت 5. ءوطخا

ءفاضا+ رقناو ضيوفتال > AAA قرطه ءمئاق > AAA > نيءمأتال > نيوكتال لىل لقتنا

LDAP. ءءومءم لىل ريشي هلءءو لىوختال بولسأل ءامءءال تاناىب لىزنء ءون ءاشناىب مق

## Quick Setup: AAA Authorization

Method List Name\*

ldapauth

Type\*

credential-download ▼



Group Type

group ▼



Fallback to local

Authenticated

Available Server Groups

Assigned Server Groups

radius  
ldap  
tacacs+



ldapgr



رم اوألا رطس ةهجاو رمأ :

```
aaa authorization credential-download ldapauth group ldapgr
```

ةي لحملا ةقداصملا ليصافت نيوك ت. 6 ةوطخلا

ةمدقملا AAA تاراخي > AAA قرط ةمئاق > AAA > نامألا > نيوكتلا ىل لقتنا

ةقيرط ةيوه ةحص dot1x ل تترتخاوضي وفلا ةقداصملا نم لك ةمئاق بولسأ تترتخأ  
LDAP ىل ريشي دامتعالا تانايب لي زنت لي وخت بولسأ او ايلحم ريشي



Configuration > Security > AAA

+ AAA Wizard

Servers / Groups   AAA Method List   **AAA Advanced**

**Global Config**

- RADIUS Fallback
- Attribute List Name
- Device Authentication
- AP Policy
- Password Policy
- AAA Interface

Local Authentication: Method List

Authentication Method List: ldapauth

Local Authorization: Method List

Authorization Method List: ldapauth

Radius Server Load Balance:  DISABLED

Interim Update:

[Show Advanced Settings >>>](#)

رم اوألا رطس ةهجاو رمأ :

aaa local authentication ldapauth authorization ldapauth  
 ةوطخلا 7. ةوكت a dot1x WLAN

ةفاضل+ رقناو WLAN > نيوكتلا لىلا لقتنا

هنيكمت نم دكأتو SSID مس او افيصوت رتخأ

**Edit WLAN**

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

**General**   Security   Add To Policy Tags

⚠ Please add the WLANs to Policy Tags for them to broadcast.

Profile Name\*   LDAP   Radio Policy   All

SSID\*   LDAP   Broadcast SSID   **ENABLED**

WLAN ID\*   1

Status   **ENABLED**

2. ةقبطلا نيماة ةحفص لىلا لقتنالا

## 2 ةقبطال نيّمأت عضوك WPA+WPA2 رتخأ

802.1X نيكمتو WPA تاملعم يف AES و WPA2 نيكمت نم دكأت

### Edit WLAN

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

General **Security** Add To Policy Tags

**Layer2** Layer3 AAA

Layer 2 Security Mode

WPA + WPA2 ▼

MAC Filtering

#### Protected Management Frame

PMF

Disabled ▼

#### WPA Parameters

WPA Policy

WPA2 Policy

GTK Randomize

OSEN Policy

WPA2 Encryption

AES(CCMP128)

CCMP256

GCMP128

GCMP256

Auth Key Mgmt

802.1x

PSK

CCKM

FT + 802.1x

FT + PSK

802.1x-SHA256

PSK-SHA256

Lobby Admin Access

Fast Transition

Adaptive Enab... ▼

Over the DS

Reassociation Timeout

20

#### MPSK Configuration

MPSK

AAA ةيعرفال بيوبتال ةمالع ىل لقتنا



Server Name*	<input type="text" value="AD"/>					
Server Address*	<input type="text" value="192.168.1.192"/>	⚠ Provide a valid Server address				
Port Number*	<input type="text" value="389"/>					
Simple Bind	<input type="text" value="Authenticated"/>					
Bind User name*	<input type="text" value="Administrator@lab.cor"/>					
Bind Password *	<input type="password" value="."/>					
Confirm Bind Password*	<input type="password" value="."/>					
User Base DN*	<input type="text" value="CN=Users,DC=lab,DC:"/>					
User Attribute	<input type="text"/>					
User Object Type	<input type="text"/>	+				
	<table border="1"> <thead> <tr> <th>User Object Type</th> <th>Remove</th> </tr> </thead> <tbody> <tr> <td>Person</td> <td>×</td> </tr> </tbody> </table>	User Object Type	Remove	Person	×	
User Object Type	Remove					
Person	×					
Server Timeout (seconds)	<input type="text" value="0-65534"/>					
Secure Mode	<input type="checkbox"/>					
Trustpoint Name	<input type="text"/>					

فيختم لكش ب ريسفت ال ايتا ذ IP و مس ال ا

ذفنم مادختس اكب صاخلا مداخلل نكمي نكلو LDAP ل يضارت فالال ذفنم ال وه 389: ذفنم ال رخا.

طبرل ا معدت ي ل اخلال تقولا ي ف LDAP تانايب ةدعاق لكي دل نو ك ي نأ اذ ردانل نم: طيسب طبرل جذومن ي ا نودب هيلع LDAP ثحب ارجا ه نكمي صخش ي ا نأ ينع ي اذه) هيلع قدصم ال ريغ Active هب حمسي امو ةقداصم ل ا عويش رثك ال ا عونل ا وه قدصم ال طيسب ال طبرل ا. (ةقداصم ارجا نم نكم تتل رورم ةم لك و لوؤسم باسح مس ا ل ا خذ ا كنكمي. يضارت فالال لكش ب Directory ا. كانه نم مدختس م ال تانايب ةدعاق ي ف ثحب ال

Active ي ف لوؤسم ال تازايتما هل مدختس م مس ا ل ا ةراش ال ا ل ا جاتحت: مدختس م ال مس ا طبر

تانايب دعاوق نم ديدعلا عقوتت امنيب هل "user@domain" قيسنت AD لمحتت Directory. تانايب دعاوق يلع لاثم دجوي .مدختسملا مسال "CN=xxx,DC=xxx" قيسنت ىرخألا LDAP ةلاقملا هذه يف دعب اميف دري AD ريغ ىرخأ LDAP.

اقباس تلخد username ةرادإلا ةملاكلا تلخد : رسلا ةملاك طبر

ثيح LDAP ةرچش يف دوجوملا عقوملا وهو ،"ثحبلا رذج" انه لخدأ :مدختسملا دعاوق صاخلا DN ،"نم دختسملا" ةومجم نمض انتامادختسا عيمج نوكت ،لاثملا اذه يف .ثحبلا تايلمع أدبت (lab.com لاجم LDAP لاثم نأل ارظن) "cn=Users,dc=lab,dc=com" اهب صاخلا DN نوكتي يتلاو .مسقلا اذه يف اقحالا هذه مدختسملا دعاوق DN فاشتكاة يفك ىلع لاثم ريفوت متي

ىلإ ريشي يذلا LDAP ةمس طمخم ىلإ ةراشإلا وأ اغراف لقحلا اذه كرت نكمي :مدختسملا ةمس id قب cisco بجاو ،امهم .كب ةصاخلا LDAP تانايب دعاوقل مدختسملا مسالا دعوي يذلا LDAP لقح عم لاصتاءارجا (WLC) ةيكلساللا ةيلحمالا ةكبشلا يف مكحتلا رصنع لواحت ، [CSCvv11813](#) ، عيشي ناع رظنلا ضغب CN لقح

اذه نوكتي ام دعاوق .نم دختسم ربتعت يتلا تانئاللا عون اذه ددحي :مدختسملا نئاللا عون لوختو AD تانايب دعاوق كيذل ناك اذا "رتويبمك ةزهجأ" نوكت نأ نكمي .صخشلا وه صخشلا صيصختلا نم ريثكلا LDAP رفوي ىرخأ ةرم كانه نكلو ،رتويبمكلا تاباسح

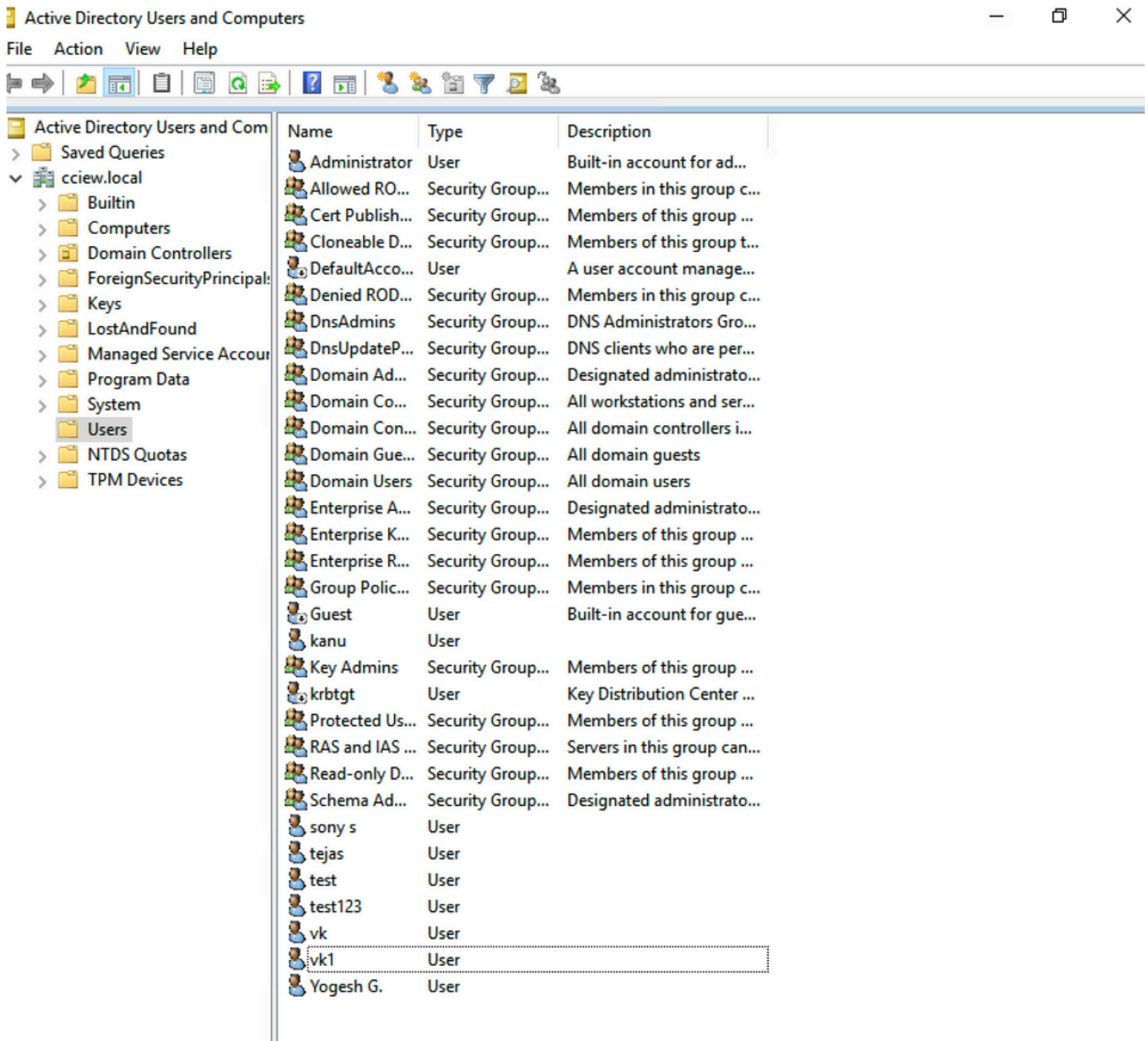
مادختسالا 9800 ىلع TrustPoint ديدحت كنم بلطتويو TLS ربع نمآلا LDAP نمآلا عضولا حيتي TLS ريفشتل ةداهش

## sAMAaccountName ةمس عم LDAP 802.1x ةقداصم

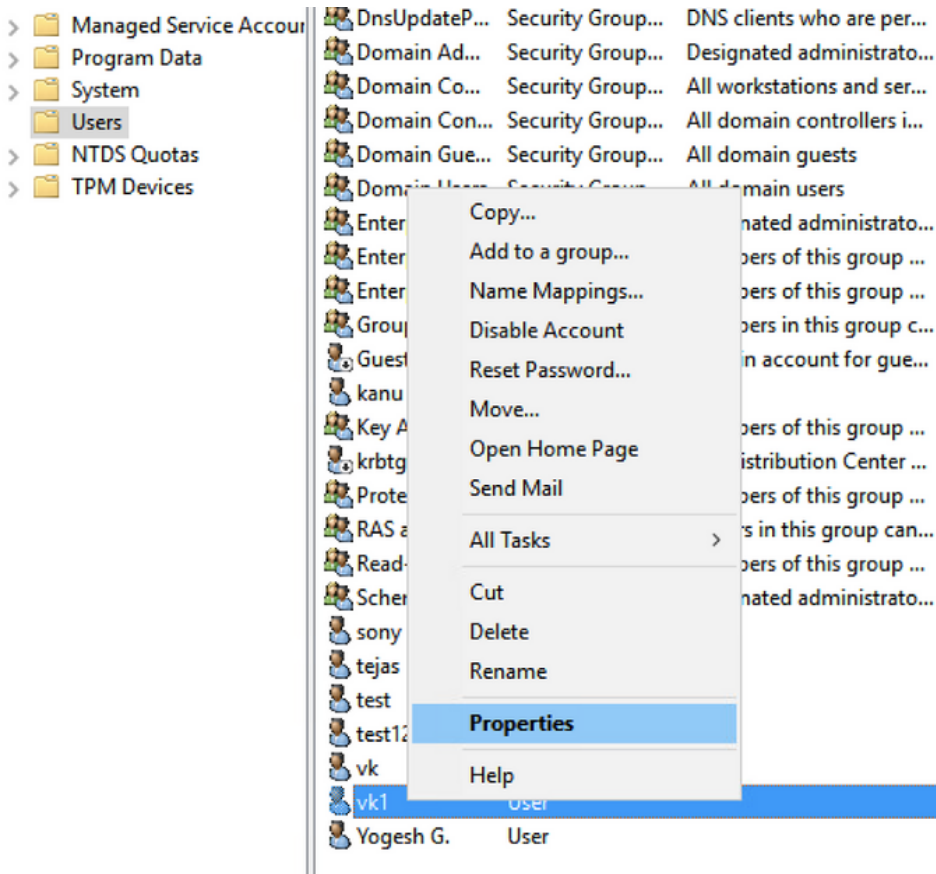
17.6.1 رادصإلا يف زيزعتلا اذه لاخدا مت دقو

مدختسملا "userPassword" ةمس نيوكتب مق

ActiveDirectory Users and Computers ىلإ لقتنا Windows مداخ ىلع 1. ةوطخلا



صناعات الدخول ودخول صلا م دخت س م ل م س ا قوف نمي أ ل س وامل رزب رقنا 2. ةوطلال



صئاصخالا ةذفان يف تامسالا ررحم ديدحت .3 ةوطخال

Published Certificates	Member Of	Password Replication	Dial-in	Object	
Security	Environment	Sessions	Remote control		
General	Address	Account	Profile	Telephones	Organization
Remote Desktop Services Profile			COM+	Attribute Editor	

## Attributes:

Attribute	Value
uid	<not set>
uidNumber	<not set>
unicodePwd	<not set>
unixHomeDirectory	<not set>
unixUserPassword	<not set>
url	<not set>
userAccountControl	0x10200 = ( NORMAL_ACCOUNT   DONT_I
userCert	<not set>
userCertificate	<not set>
userParameters	<not set>
userPassword	<not set>
userPKCS12	<not set>
userPrincipalName	vk1@cciew.local
userSharedFolder	<not set>

Edit

Filter

OK

Cancel

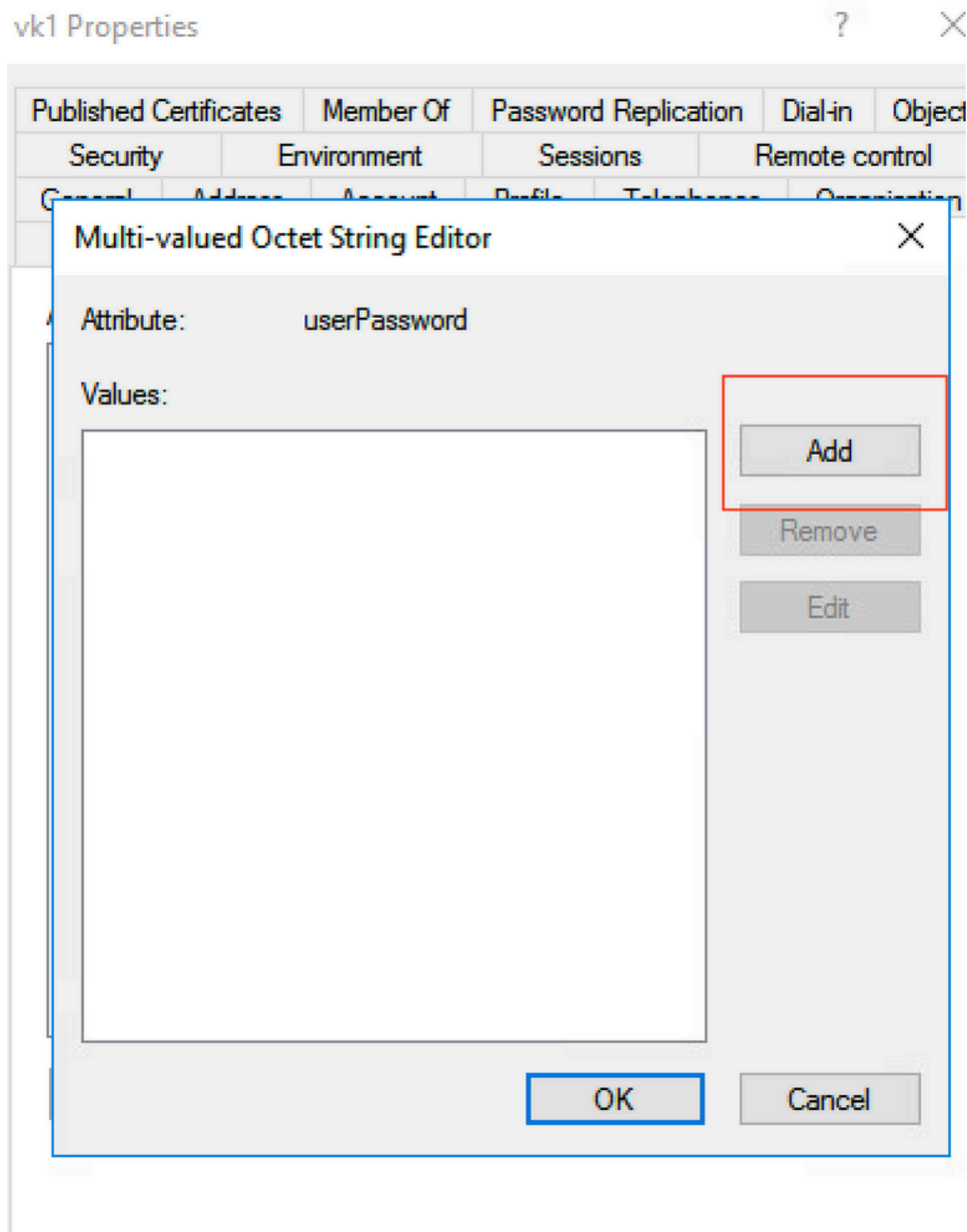
Apply

Help

انه يوك ت بجي يتلاو ،مدختسملل رورملا ةم لك يه هذه "userPassword" ةمس نيوك ت .4 ةوطخلا



ةيرشع ةيسادس ةميقي ف.





Published Certificates Member Of Password Replication Dial-in Object  
Security Environment Sessions Remote control  
General Address Account Profile Telephones Organization

## Multi-valued Octet String Editor X

Attribute: userPassword

Values:

Cisco123

Add

Remove

Edit

OK

Cancel

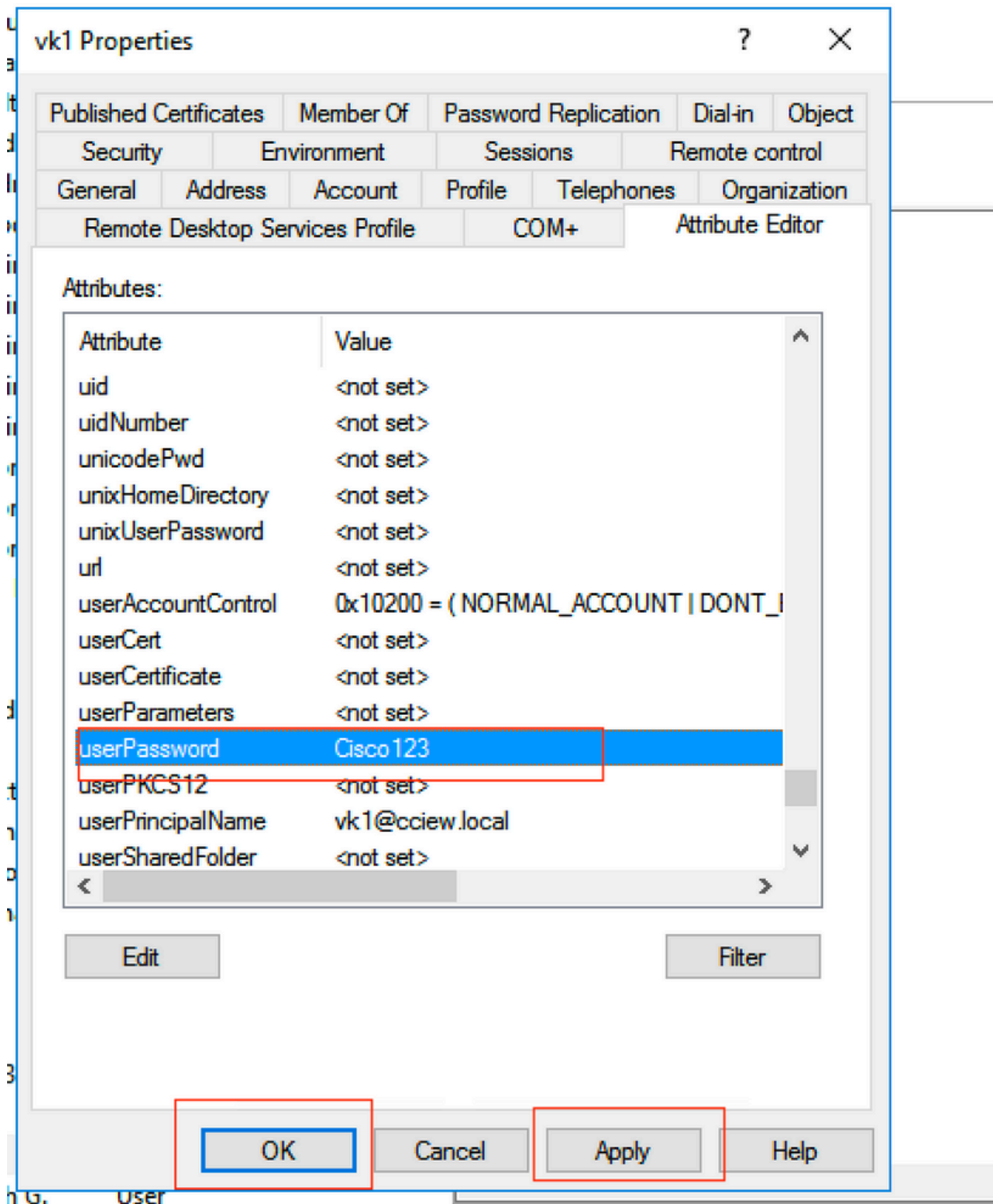
OK

Cancel

Apply

Help

ok كلذ دعبو قبطي ةق قوط 5. ةوطخلا



مسا وه نوکي فوسو مدختس ملل "sAMAccountName" ةمسا ةمقيق نم ققحت 6. ةوطخلا  
ةقداصل ملل مدختس ملل.

Published Certificates	Member Of	Password Replication	Dial-in	Object	
Security	Environment	Sessions	Remote control		
General	Address	Account	Profile	Telephones	Organization
Remote Desktop Services Profile		COM+	Attribute Editor		

Attributes:

Attribute	Value
sAMAccountName	vkokila
sAMAccountType	805306368 = (NORMAL_USER_ACCOUNT)
scriptPath	<not set>
secretary	<not set>
securityIdentifier	<not set>
seeAlso	<not set>
serialNumber	<not set>
servicePrincipalName	<not set>
shadowExpire	<not set>
shadowFlag	<not set>
shadowInactive	<not set>
shadowLastChange	<not set>
shadowMax	<not set>
shadowMin	<not set>

Buttons: Edit, Filter, OK, Cancel, Apply, Help

G. User

WLC: نيوكت

LDAP مەس نەيەت ەاشن | 1. ەوطخا

"username" ك ەونلاو "sAMAccountName" مەسلا نەيەت. 2. ەوطخا

LDAP. م داخ نەيەت نەمض ەواشن | م تەتلا مەسلا نەيەت رتخأ. 3. ەوطخا

```
ldap attribute-map VK
```

```
map type sAMAccountName username
```

```
ldap server ldap
```

```
ipv4 10.106.38.195
```

```
attribute map VK
```

```
bind authenticate root-dn vkl password 7 00271A1507545A545C
```

```
base-dn CN=users,DC=cciew,DC=local
```

```
search-filter user-object-type Person
```

بەيول ەهچا و نەم ققحتلا:

The screenshot shows the Cisco Catalyst 9800-40 Wireless Controller configuration interface. The breadcrumb navigation is Configuration > Security > AAA. The main content area is titled 'Servers / Groups' and includes a '+ AAA Wizard' button. Below this, there are tabs for 'Servers / Groups', 'AAA Method List', and 'AAA Advanced'. The 'Servers / Groups' tab is active, showing a table of configured servers. The table has columns for Name, Server Address, Port Number, and Simple Bind. One server is listed with Name 'ldap', Server Address '10.106.38.195', Port Number '389', and Simple Bind 'Authenticated'. The table is currently showing 1 of 1 items, with 10 items per page.

Name	Server Address	Port Number	Simple Bind
ldap	10.106.38.195	389	Authenticated

Last login NA ...

## Edit AAA LDAP Server

AAA Advanced

---

Server Groups

Name	Server Address
ldap	10.106.38.195

1 10 items per page

Server Name\*

Server Address\*

Port Number\*

Simple Bind

Bind User name\*

Bind Password\*

Confirm Bind Password\*

User Base DN\*

User Attribute

User Object Type

User Object Type	Remove
Person	X

Server Timeout (seconds)

## تحصيل نم ققحتلا

هذه نم ةدراول رم اوألا مادختساب CLI رم اوألا نم ىرخأ ةرم ققحت ،كب صاخلا نيوكتلا نم ققحتلل ةلاقملا.

ام ةفرعم بعصللا نم نوكتي نأ نكمي ىتح ةقداصم تالجس ةداع LDAP تانايب دعاوق رفوت ال نأ ةيفيكة ةفرعمل ةلاقملا هذه يف اهجالص او عاطخال فاشكتسا مسق ةرايزب مق .ثدحي ال ام LDAP تانايب ةدعاقب لاصتا عاشنإ مت اذا ام ةفرعمل sniffer طاقتلاو تاراسملا

## اهجالص او عاطخال فاشكتسا

لوال عزجال موقى .نيئزج ىلإ اذم ميسقت لصفألا نم ،اهجالص او ةلكشملا هذه فاشكتسالا LDAP مداخل 9800 لاصتا ةحص نم ققحتلا وه يئانثلاو .يلحمل EAP عزج ةحص نم ققحتلاب جحص لكشب

## مكحتلا ةدحو ىل ةقداصملا ةيلمع نم ققحتلا ةيفيكة

للمعمل لاصتا "عاطخال جحصت" ىلع لوصحلل عشم عبتت عيمجت كنكمي

فضأ .يعاعشالا عبتتلا > اهجو تالكشملا فاشكتسا ةزيم ىلإ لاقتنالا ىوس كيلىع ام MAC سيلىو يئوشع MAC مدختسي نأ نكمي لىمعل نأ ىلإ هبتنا) لىمعلل MAC ناونع طغضاو (هسفن لىمعل زاغ ىل SSID فيرعت فلم يف ك لذ نم ققحتلا كنكمي و ،هب صاخلا عدبلا ىل

لالخ تالجسلا ىل لوصحل او "عاشنإ" قوف رقنلا كنكمي ،لاصتالا ةلواحم عاشنإ ةداع | درجمب نكت مل اذا رهظت ال LDAP لجس روطس ضعب نأل ايلخاد رقنلا نم دكات .ةريخال X قئاقدلا

## كذلك ىل ارداق

ةقد اصم ل SSID ىل ع حاجب هتقد اصم متت لى عمل ع اعشال ع بتت لى لى لى اميف  
: حوضولوا نامضل ةرر كتمل اعزجال ضعب ةلازا تمت .بىو

```
2021/01/19 21:57:55.890953 {wncd_x_R0-0}{1}: [client-orch-sm] [9347]: (note): MAC:
2elf.3a65.9c09 Association received. BSSID f80f.6f15.66ae, WLAN webauth, Slot 1 AP
f80f.6f15.66a0, AP7069-5A74-933C 2021/01/19 21:57:55.891049 {wncd_x_R0-0}{1}: [client-orch-sm]
[9347]: (debug): MAC: 2elf.3a65.9c09 Received Dot11 association request. Processing
started,SSID: webauth, Policy profile: LDAP, AP Name: AP7069-5A74-933C, Ap Mac Address:
f80f.6f15.66a0 BSSID MAC0000.0000.0000 wlan ID: 2RSSI: -45, SNR: 0 2021/01/19 21:57:55.891282
{wncd_x_R0-0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state
transition: S_CO_INIT -> S_CO_ASSOCIATING 2021/01/19 21:57:55.891674 {wncd_x_R0-0}{1}: [dot11-
validate] [9347]: (info): MAC: 2elf.3a65.9c09 WiFi direct: Dot11 validate P2P IE. P2P IE not
present. 2021/01/19 21:57:55.892114 {wncd_x_R0-0}{1}: [dot11] [9347]: (debug): MAC:
2elf.3a65.9c09 dot11 send association response. Sending association response with
resp_status_code: 0 2021/01/19 21:57:55.892182 {wncd_x_R0-0}{1}: [dot11-frame] [9347]: (info):
MAC: 2elf.3a65.9c09 WiFi direct: skip build Assoc Resp with P2P IE: Wifi direct policy disabled
2021/01/19 21:57:55.892248 {wncd_x_R0-0}{1}: [dot11] [9347]: (info): MAC: 2elf.3a65.9c09 dot11
send association response. Sending assoc response of length: 179 with resp_status_code: 0,
DOT11_STATUS: DOT11_STATUS_SUCCESS 2021/01/19 21:57:55.892467 {wncd_x_R0-0}{1}: [dot11] [9347]:
(note): MAC: 2elf.3a65.9c09 Association success. AID 2, Roaming = False, WGB = False, llr =
False, llw = False 2021/01/19 21:57:55.892497 {wncd_x_R0-0}{1}: [dot11] [9347]: (info): MAC:
2elf.3a65.9c09 DOT11 state transition: S_DOT11_INIT -> S_DOT11_ASSOCIATED 2021/01/19
21:57:55.892616 {wncd_x_R0-0}{1}: [client-orch-sm] [9347]: (debug): MAC: 2elf.3a65.9c09 Station
Dot11 association is successful. 2021/01/19 21:57:55.892730 {wncd_x_R0-0}{1}: [client-orch-sm]
[9347]: (debug): MAC: 2elf.3a65.9c09 Starting L2 authentication. Bssid in state
machine:f80f.6f15.66ae Bssid in request is:f80f.6f15.66ae 2021/01/19 21:57:55.892783 {wncd_x_R0-
0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state transition:
S_CO_ASSOCIATING -> S_CO_L2_AUTH_IN_PROGRESS 2021/01/19 21:57:55.892896 {wncd_x_R0-0}{1}:
[client-auth] [9347]: (note): MAC: 2elf.3a65.9c09 L2 Authentication initiated. method WEBAUTH,
Policy VLAN 1,AAA override = 0 2021/01/19 21:57:55.893115 {wncd_x_R0-0}{1}: [auth-mgr] [9347]:
(info): [2elf.3a65.9c09:capwap_90000004] Session Start event called from SANET-SHIM with
conn_hdl 14, vlan: 0 2021/01/19 21:57:55.893154 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] Wireless session sequence, create context with method WebAuth
2021/01/19 21:57:55.893205 {wncd_x_R0-0}{1}: [auth-mgr-feat_wireless] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] - authc_list: ldapauth 2021/01/19 21:57:55.893211 {wncd_x_R0-
0}{1}: [auth-mgr-feat_wireless] [9347]: (info): [2elf.3a65.9c09:capwap_90000004] - authz_list:
Not present under wlan configuration 2021/01/19 21:57:55.893254 {wncd_x_R0-0}{1}: [client-auth]
[9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S_AUTHIF_INIT ->
S_AUTHIF_AWAIT_L2_WEBAUTH_START_RESP 2021/01/19 21:57:55.893461 {wncd_x_R0-0}{1}: [auth-mgr]
[9347]: (info): [2elf.3a65.9c09:unknown] auth mgr attr change notification is received for attr
(952) 2021/01/19 21:57:55.893532 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] auth mgr attr change notification is received for attr (1263)
2021/01/19 21:57:55.893603 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] auth mgr attr change notification is received for attr (220)
2021/01/19 21:57:55.893649 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] auth mgr attr change notification is received for attr (952)
2021/01/19 21:57:55.893679 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] Retrieved Client IIF ID 0xd3001364 2021/01/19 21:57:55.893731
{wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap_90000004] Allocated audit
session id 000000000000009C1CA610D7 2021/01/19 21:57:55.894285 {wncd_x_R0-0}{1}: [auth-mgr]
[9347]: (info): [2elf.3a65.9c09:capwap_90000004] Device type found in cache Samsung Galaxy S10e
2021/01/19 21:57:55.894299 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] Device type for the session is detected as Samsung Galaxy S10e
and old device-type not classified earlier &Device name for the session is detected as Unknown
Device and old device-name not classified earlier & Old protocol map 0 and new is 1057
2021/01/19 21:57:55.894551 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] auth mgr attr change notification is received for attr (1337)
2021/01/19 21:57:55.894587 {wncd_x_R0-0}{1}: [auth-mgr-feat_template] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] Check aaa acct configured 2021/01/19 21:57:55.894593
```



{wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:57:55.894827 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1337) 2021/01/19 21:57:55.894858 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:57:55.894862 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:57:55.895918 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_wireless] [9347]: (info): [0000.0000.0000:unknown] retrieving vlanid from name failed 2021/01/19 21:57:55.896094 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] SM Reauth Plugin: Received valid timeout = 86400 2021/01/19 21:57:55.896807 {wncd\_x\_R0-0}{1}: [webauth-sm] [9347]: (info): [ 0.0.0.0]Starting Webauth, mac [2e:1f:3a:65:9c:09], IIF 0 , audit-ID 000000000000009C1CA610D7 2021/01/19 21:57:55.897106 {wncd\_x\_R0-0}{1}: [webauth-acl] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 0.0.0.0]Applying IPv4 intercept ACL via SVM, name: IP-Adm-V4-Int-ACL-global, priority: 50, IIF-ID: 0 2021/01/19 21:57:55.897790 {wncd\_x\_R0-0}{1}: [epm-redirect] [9347]: (info): [0000.0000.0000:unknown] URL-Redirect-ACL = IP-Adm-V4-Int-ACL-global 2021/01/19 21:57:55.898813 {wncd\_x\_R0-0}{1}: [webauth-acl] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 0.0.0.0]Applying IPv6 intercept ACL via SVM, name: IP-Adm-V6-Int-ACL-global, priority: 52, IIF-ID: 0 2021/01/19 21:57:55.899406 {wncd\_x\_R0-0}{1}: [epm-redirect] [9347]: (info): [0000.0000.0000:unknown] URL-Redirect-ACL = IP-Adm-V6-Int-ACL-global 2021/01/19 21:57:55.903552 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S\_AUTHIF\_AWAIT\_L2\_WEBAUTH\_START\_RESP -> S\_AUTHIF\_L2\_WEBAUTH\_PENDING 2021/01/19 21:57:55.903575 {wncd\_x\_R0-0}{1}: [ewlc-infra-evq] [9347]: (note): Authentication Success. Resolved Policy bitmap:11 for client 2elf.3a65.9c09 2021/01/19 21:57:55.903592 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S\_AUTHIF\_L2\_WEBAUTH\_PENDING -> S\_AUTHIF\_L2\_WEBAUTH\_PENDING 2021/01/19 21:57:55.903709 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S\_AUTHIF\_L2\_WEBAUTH\_PENDING -> S\_AUTHIF\_L2\_WEBAUTH\_DONE 2021/01/19 21:57:55.903774 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1025 2021/01/19 21:57:55.903858 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1025 2021/01/19 21:57:55.903924 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1025 2021/01/19 21:57:55.904005 {wncd\_x\_R0-0}{1}: [client-orch-sm] [9347]: (debug): MAC: 2elf.3a65.9c09 L2 Authentication of station is successful., L3 Authentication : 1 2021/01/19 21:57:55.904173 {wncd\_x\_R0-0}{1}: [client-orch-sm] [9347]: (note): MAC: 2elf.3a65.9c09 Mobility discovery triggered. Client mode: Flex - Local Switching 2021/01/19 21:57:55.904181 {wncd\_x\_R0-0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state transition: S\_CO\_L2\_AUTH\_IN\_PROGRESS -> S\_CO\_MOBILITY\_DISCOVERY\_IN\_PROGRESS 2021/01/19 21:57:55.904245 {wncd\_x\_R0-0}{1}: [mm-transition] [9347]: (info): MAC: 2elf.3a65.9c09 MMIF FSM transition: S\_MA\_INIT -> S\_MA\_MOBILITY\_DISCOVERY\_PROCESSED\_TR on E\_MA\_MOBILITY\_DISCOVERY 2021/01/19 21:57:55.904410 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (info): MAC: 2elf.3a65.9c09 Invalid transmitter ip in build client context 2021/01/19 21:57:55.904777 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (debug): MAC: 2elf.3a65.9c09 Received mobile\_announce, sub type: 0 of XID (0) from (WNCID[0]) 2021/01/19 21:57:55.904955 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (debug): MAC: 2elf.3a65.9c09 Add MCC by tdl mac: client\_ifid 0x90000006 is assigned to client 2021/01/19 21:57:55.905072 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (debug): MAC: 0000.0000.0000 Sending mobile\_announce\_nak of XID (0) to (WNCID[0]) 2021/01/19 21:57:55.905157 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (debug): MAC: 2elf.3a65.9c09 Received mobile\_announce\_nak, sub type: 1 of XID (0) from (WNCID[0]) 2021/01/19 21:57:55.905267 {wncd\_x\_R0-0}{1}: [mm-transition] [9347]: (info): MAC: 2elf.3a65.9c09 MMIF FSM transition: S\_MA\_INIT\_WAIT\_ANNOUNCE\_RSP -> S\_MA\_NAK\_PROCESSED\_TR on E\_MA\_NAK\_RCVD 2021/01/19 21:57:55.905283 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (info): MAC: 2elf.3a65.9c09 Roam type changed - None -> None 2021/01/19 21:57:55.905317 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (info): MAC: 2elf.3a65.9c09 Mobility role changed - Unassoc -> Local 2021/01/19 21:57:55.905515 {wncd\_x\_R0-0}{1}: [mm-client] [9347]: (note): MAC: 2elf.3a65.9c09 Mobility Successful. Roam Type None, Sub Roam Type MM\_SUB\_ROAM\_TYPE\_NONE, Client IFID: 0x90000006, Client Role: Local PoA: 0x90000004 PoP: 0x0 2021/01/19 21:57:55.905570 {wncd\_x\_R0-0}{1}: [client-orch-sm] [9347]: (debug): MAC: 2elf.3a65.9c09 Processing mobility response from MMIF. Client ifid: 0x90000006, roam type: None, client role: Local 2021/01/19 21:57:55.906210

{wncd\_x\_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 Client QoS add mobile cb 2021/01/19 21:57:55.906369 {wncd\_x\_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 No QoS PM Name or QoS Level received from SANet for pm\_dir:0. Check client is fastlane, otherwise set pm name to none 2021/01/19 21:57:55.906399 {wncd\_x\_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 No QoS PM Name or QoS Level received from SANet for pm\_dir:1. Check client is fastlane, otherwise set pm name to none 2021/01/19 21:57:55.906486 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (note): MAC: 2elf.3a65.9c09 ADD MOBILE sent. Client state flags: 0x12 BSSID: MAC: f80f.6f15.66ae capwap IFID: 0x90000004 2021/01/19 21:57:55.906613 {wncd\_x\_R0-0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state transition: S\_CO\_MOBILITY\_DISCOVERY\_IN\_PROGRESS -> S\_CO\_DPATH\_PLUMB\_IN\_PROGRESS 2021/01/19 21:57:55.907326 {wncd\_x\_R0-0}{1}: [dot11] [9347]: (note): MAC: 2elf.3a65.9c09 Client datapath entry params - ssid:webauth,slot\_id:1 bssid ifid: 0x0, radio\_ifid: 0x90000002, wlan\_ifid: 0xf0400002 2021/01/19 21:57:55.907544 {wncd\_x\_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 Client QoS dpath create params 2021/01/19 21:57:55.907594 {wncd\_x\_R0-0}{1}: [avc-afc] [9347]: (debug): AVC enabled for client 2elf.3a65.9c09 2021/01/19 21:57:55.907701 {wncd\_x\_R0-0}{1}: [dpath\_svc] [9347]: (note): MAC: 2elf.3a65.9c09 Client datapath entry created for ifid 0x90000006 2021/01/19 21:57:55.908229 {wncd\_x\_R0-0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state transition: S\_CO\_DPATH\_PLUMB\_IN\_PROGRESS -> S\_CO\_IP\_LEARN\_IN\_PROGRESS 2021/01/19 21:57:55.908704 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 IP-learn state transition: S\_IPLEARN\_INIT -> S\_IPLEARN\_IN\_PROGRESS 2021/01/19 21:57:55.918694 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S\_AUTHIF\_L2\_WEBAUTH\_DONE -> S\_AUTHIF\_L2\_WEBAUTH\_DONE 2021/01/19 21:57:55.922254 {wncd\_x\_R0-0}{1}: [dot11k] [9347]: (info): MAC: 2elf.3a65.9c09 Neighbor AP fc5b.3984.8220 lookup has failed, ap contextnot available on this instance 2021/01/19 21:57:55.922260 {wncd\_x\_R0-0}{1}: [dot11k] [9347]: (info): MAC: 2elf.3a65.9c09 Neighbor AP 88f0.3169.d390 lookup has failed, ap contextnot available on this instance 2021/01/19 21:57:55.962883 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (note): MAC: 2elf.3a65.9c09 Client IP learn successful. Method: IP Snooping IP: 192.168.1.17 2021/01/19 21:57:55.963827 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 Client IP learn successful. Method: IPv6 Snooping IP: fe80::2c1f:3aff:fe65:9c09 2021/01/19 21:57:55.964481 {wncd\_x\_R0-0}{1}: [auth\_mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (8) 2021/01/19 21:57:55.965176 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 IP-learn state transition: S\_IPLEARN\_IN\_PROGRESS -> S\_IPLEARN\_COMPLETE 2021/01/19 21:57:55.965550 {wncd\_x\_R0-0}{1}: [auth\_mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (10) 2021/01/19 21:57:55.966127 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 IP-learn state transition: S\_IPLEARN\_COMPLETE -> S\_IPLEARN\_COMPLETE 2021/01/19 21:57:55.966328 {wncd\_x\_R0-0}{1}: [client-orch-sm] [9347]: (debug): MAC: 2elf.3a65.9c09 Received ip learn response. method: IPLEARN\_METHOD\_IP\_SNOOPING 2021/01/19 21:57:55.966413 {wncd\_x\_R0-0}{1}: [client-orch-sm] [9347]: (debug): MAC: 2elf.3a65.9c09 Triggered L3 authentication. status = 0x0, Success 2021/01/19 21:57:55.966424 {wncd\_x\_R0-0}{1}: [client-orch-state] [9347]: (note): MAC: 2elf.3a65.9c09 Client state transition: S\_CO\_IP\_LEARN\_IN\_PROGRESS -> S\_CO\_L3\_AUTH\_IN\_PROGRESS 2021/01/19 21:57:55.967404 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (note): MAC: 2elf.3a65.9c09 L3 Authentication initiated. LWA 2021/01/19 21:57:55.967433 {wncd\_x\_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition: S\_AUTHIF\_L2\_WEBAUTH\_DONE -> S\_AUTHIF\_WEBAUTH\_PENDING 2021/01/19 21:57:55.968312 {wncd\_x\_R0-0}{1}: [sisf-packet] [9347]: (debug): RX: ARP from interface capwap\_90000004 on vlan 1 Source MAC: 2elf.3a65.9c09 Dest MAC: ffff.ffff.ffff ARP REQUEST, ARP sender MAC: 2elf.3a65.9c09 ARP target MAC: ffff.ffff.ffff ARP sender IP: 192.168.1.17, ARP target IP: 192.168.1.17, 2021/01/19 21:57:55.968519 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 iplearn receive client learn method update. Prev method (IP Snooping) Cur method (ARP) 2021/01/19 21:57:55.968522 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 Client IP learn method update successful. Method: ARP IP: 192.168.1.17 2021/01/19 21:57:55.968966 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 IP-learn state transition: S\_IPLEARN\_COMPLETE -> S\_IPLEARN\_COMPLETE 2021/01/19 21:57:57.762648 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 iplearn receive client learn method update. Prev method (ARP) Cur method (IP Snooping) 2021/01/19 21:57:57.762650 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 Client IP learn method update successful. Method: IP Snooping IP: 192.168.1.17 2021/01/19 21:57:57.763032 {wncd\_x\_R0-0}{1}: [client-iplearn] [9347]: (info): MAC: 2elf.3a65.9c09 IP-learn state transition: S\_IPLEARN\_COMPLETE -> S\_IPLEARN\_COMPLETE 2021/01/19 21:58:00.992597 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in INIT state 2021/01/19 21:58:00.992617 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info):

capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:00.992669 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.168.1.15] url [http://connectivitycheck.gstatic.com/generate\_204] 2021/01/19 21:58:00.992694 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/60.0.3112.32 Safari/537.36 2021/01/19 21:58:00.993558 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1248) 2021/01/19 21:58:00.993637 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:58:00.993645 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:58:00.996320 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Linux-Workstation and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1057 2021/01/19 21:58:00.996508 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] DC Profile-name has been changed to Linux-Workstation 2021/01/19 21:58:00.996524 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] update event: Policy is not applied for this Handle 0xB7000080 2021/01/19 21:58:05.808144 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:05.808226 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.168.1.15] url [http://connectivitycheck.gstatic.com/generate\_204] 2021/01/19 21:58:05.808251 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/60.0.3112.32 Safari/537.36 2021/01/19 21:58:05.860465 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in GET\_REDIRECT state 2021/01/19 21:58:05.860483 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:05.860534 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.168.1.15] url [http://connectivitycheck.gstatic.com/generate\_204] 2021/01/19 21:58:05.860559 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/60.0.3112.32 Safari/537.36 2021/01/19 21:58:06.628209 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in GET\_REDIRECT state 2021/01/19 21:58:06.628228 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:06.628287 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.0.2.1] url [https://192.0.2.1:443/login.html?redirect=http://connectivitycheck.gstatic.com/generate\_204] 2021/01/19 21:58:06.628316 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (Linux; Android 11; SM-G970F) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.141 Mobile Safari/537.36 2021/01/19 21:58:06.628832 {wncd\_x\_R0-0}{1}: [webauth-page] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Sending Webauth login form, len 8077 2021/01/19 21:58:06.629613 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1248) 2021/01/19 21:58:06.629699 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:58:06.629709 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:58:06.633058 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Linux-Workstation &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1057 2021/01/19 21:58:06.633219 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] DC Profile-name has been changed to Samsung Galaxy S10e 2021/01/19 21:58:06.633231 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] update event: Policy is not applied for this Handle 0xB7000080 2021/01/19 21:58:06.719502 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in LOGIN state 2021/01/19 21:58:06.719521 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:06.719591 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.0.2.1] url

[https://192.0.2.1:443/favicon.ico] 2021/01/19 21:58:06.719646 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (Linux; Android 11; SM-G970F) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.141 Mobile Safari/537.36 2021/01/19 21:58:06.720038 {wncd\_x\_R0-0}{1}: [webauth-error] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse logo GET, File "/favicon.ico" not found 2021/01/19 21:58:06.720623 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1248) 2021/01/19 21:58:06.720707 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:58:06.720716 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:58:06.724036 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1057 2021/01/19 21:58:06.746127 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in LOGIN state 2021/01/19 21:58:06.746145 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:06.746197 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.0.2.1] url [https://192.0.2.1:443/favicon.ico] 2021/01/19 21:58:06.746225 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (Linux; Android 11; SM-G970F) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.141 Mobile Safari/537.36 2021/01/19 21:58:06.746612 {wncd\_x\_R0-0}{1}: [webauth-error] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse logo GET, File "/favicon.ico" not found 2021/01/19 21:58:06.747105 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1248) 2021/01/19 21:58:06.747187 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:58:06.747197 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:58:06.750598 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Samsung Galaxy S10e and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1057 2021/01/19 21:58:15.902342 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]GET rcvd when in LOGIN state 2021/01/19 21:58:15.902360 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]HTTP GET request 2021/01/19 21:58:15.902410 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Parse GET, src [192.168.1.17] dst [192.168.1.15] url [http://connectivitycheck.gstatic.com/generate\_204] 2021/01/19 21:58:15.902435 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]Retrieved user-agent = Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/60.0.3112.32 Safari/537.36 2021/01/19 21:58:15.903173 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] auth mgr attr change notification is received for attr (1248) 2021/01/19 21:58:15.903252 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Check aaa acct configured 2021/01/19 21:58:15.903261 {wncd\_x\_R0-0}{1}: [auth-mgr-feat\_template] [9347]: (info): [0000.0000.0000:capwap\_90000004] access\_session\_acct\_filter\_spec is NULL 2021/01/19 21:58:15.905950 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Device type for the session is detected as Linux-Workstation and old Samsung Galaxy S10e &Device name for the session is detected as Unknown Device and old Unknown Device & Old protocol map 1057 and new is 1057 2021/01/19 21:58:15.906112 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] DC Profile-name has been changed to Linux-Workstation 2021/01/19 21:58:15.906125 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] update event: Policy is not applied for this Handle 0xB7000080 2021/01/19 21:58:16.357093 {wncd\_x\_R0-0}{1}: [webauth-httpd] [9347]: (info): capwap\_90000004[2elf.3a65.9c09][ 192.168.1.17]POST rcvd when in LOGIN state 2021/01/19 21:58:16.357443 {wncd\_x\_R0-0}{1}: [sadb-attr] [9347]: (info): Removing ipv6 addresses from the attr list -1560276753,sm\_ctx = 0x50840930, num\_ipv6 = 1 2021/01/19 21:58:16.357674 {wncd\_x\_R0-0}{1}: [caaa-authen] [9347]: (info): [CAAA:AUTHEN:b7000080] DEBUG: mlist=ldapauth for type=0 2021/01/19 21:58:16.374292 {wncd\_x\_R0-0}{1}: [auth-mgr] [9347]: (info): [2elf.3a65.9c09:capwap\_90000004] Authc success from WebAuth, Auth event success 2021/01/19 21:58:16.374412 {wncd\_x\_R0-0}{1}: [ewlc-infra-evq] [9347]: (note): Authentication Success. Resolved Policy bitmap:0 for client 2elf.3a65.9c09 2021/01/19 21:58:16.374442 {wncd\_x\_R0-0}{1}:

```
[client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state transition:
S_AUTHIF_WEBAUTH_PENDING -> S_AUTHIF_WEBAUTH_PENDING 2021/01/19 21:58:16.374568 {wncd_x_R0-
0}{1}: [aaa-attr-inf] [9347]: (info): << username 0 "Nico">> 2021/01/19 21:58:16.374574
{wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]: (info): << sam-account-name 0 "Nico">> 2021/01/19
21:58:16.374584 {wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]: (info): << method 0 1 [webauth]>>
2021/01/19 21:58:16.374592 {wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]: (info): << clid-mac-addr 0
2e 1f 3a 65 9c 09 >> 2021/01/19 21:58:16.374597 {wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]: (info):
<< intf-id 0 2415919108 (0x90000004)>> 2021/01/19 21:58:16.374690 {wncd_x_R0-0}{1}: [auth-mgr]
[9347]: (info): [2elf.3a65.9c09:capwap_90000004] auth mgr attr change notification is received
for attr (450) 2021/01/19 21:58:16.374797 {wncd_x_R0-0}{1}: [auth-mgr] [9347]: (info):
[2elf.3a65.9c09:capwap_90000004] Received User-Name Nico for client 2elf.3a65.9c09 2021/01/19
21:58:16.375294 {wncd_x_R0-0}{1}: [webauth-acl] [9347]: (info): capwap_90000004[2elf.3a65.9c09][
192.168.1.17]Applying IPv4 logout ACL via SVM, name: IP-Adm-V4-LOGOUT-ACL, priority: 51, IIF-ID:
0 2021/01/19 21:58:16.376120 {wncd_x_R0-0}{1}: [epm-redirect] [9347]: (info):
[0000.0000.0000:unknown] URL-Redirect-ACL = IP-Adm-V4-LOGOUT-ACL 2021/01/19 21:58:16.377322
{wncd_x_R0-0}{1}: [webauth-page] [9347]: (info): capwap_90000004[2elf.3a65.9c09][
192.168.1.17]HTTP/1.0 200 OK 2021/01/19 21:58:16.378405 {wncd_x_R0-0}{1}: [client-auth] [9347]:
(note): MAC: 2elf.3a65.9c09 L3 Authentication Successful. ACL:[ ] 2021/01/19 21:58:16.378426
{wncd_x_R0-0}{1}: [client-auth] [9347]: (info): MAC: 2elf.3a65.9c09 Client auth-interface state
transition: S_AUTHIF_WEBAUTH_PENDING -> S_AUTHIF_WEBAUTH_DONE 2021/01/19 21:58:16.379181
{wncd_x_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 Client QoS add mobile cb
2021/01/19 21:58:16.379323 {wncd_x_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC:
2elf.3a65.9c09 No QoS PM Name or QoS Level received from SANet for pm_dir:0. Check client is
fastlane, otherwise set pm name to none 2021/01/19 21:58:16.379358 {wncd_x_R0-0}{1}: [ewlc-qos-
client] [9347]: (info): MAC: 2elf.3a65.9c09 No QoS PM Name or QoS Level received from SANet for
pm_dir:1. Check client is fastlane, otherwise set pm name to none 2021/01/19 21:58:16.379442
{wncd_x_R0-0}{1}: [client-auth] [9347]: (note): MAC: 2elf.3a65.9c09 ADD MOBILE sent. Client
state flags: 0x8 BSSID: MAC: f80f.6f15.66ae capwap IFID: 0x90000004 2021/01/19 21:58:16.380547
{wncd_x_R0-0}{1}: [errmsg] [9347]: (info): %CLIENT_ORCH_LOG-6-CLIENT_ADDED_TO_RUN_STATE:
Username entry (Nico) joined with ssid (webauth) for device with MAC: 2elf.3a65.9c09 2021/01/19
21:58:16.380729 {wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]: (info): [ Applied attribute :bsn-vlan-
interface-name 0 "1" ] 2021/01/19 21:58:16.380736 {wncd_x_R0-0}{1}: [aaa-attr-inf] [9347]:
(info): [ Applied attribute : timeout 0 86400 (0x15180) ] 2021/01/19 21:58:16.380812 {wncd_x_R0-
0}{1}: [aaa-attr-inf] [9347]: (info): [ Applied attribute : url-redirect-acl 0 "IP-Adm-V4-
LOGOUT-ACL" ] 2021/01/19 21:58:16.380969 {wncd_x_R0-0}{1}: [ewlc-qos-client] [9347]: (info):
MAC: 2elf.3a65.9c09 Client QoS run state handler 2021/01/19 21:58:16.381033 {wncd_x_R0-0}{1}:
[rog-proxy-capwap] [9347]: (debug): Managed client RUN state notification: 2elf.3a65.9c09
2021/01/19 21:58:16.381152 {wncd_x_R0-0}{1}: [client-orch-state] [9347]: (note): MAC:
2elf.3a65.9c09 Client state transition: S_CO_L3_AUTH_IN_PROGRESS -> S_CO_RUN 2021/01/19
21:58:16.385252 {wncd_x_R0-0}{1}: [ewlc-qos-client] [9347]: (info): MAC: 2elf.3a65.9c09 Client
QoS dpath run params 2021/01/19 21:58:16.385321 {wncd_x_R0-0}{1}: [avc-afc] [9347]: (debug): AVC
enabled for client 2elf.3a65.9c09
```

## LDAP ب 9800 لاصتا نم ققحتلا ةيفيك

LDAP هاجتاب رورم ةكرح يأتير 9800 ل ي ف جدم طاقنتلا ذخأ كنكمي

يل لقتنا، (WLC) ةيكللساللة لىلحملا ةكبشلا ي ف مكحتلا رصنع نم طاقنتلال  
أدباو ةلصولا ذفنم رتخأ. ةفاضلا قوف رقتناو ةمزل طاقنتلا > اهحالص او ءاطخال فاشكتسأ  
طاقنتلال

Search Menu Items

Dashboard

Monitoring

Configuration

Administration

Licensing

Troubleshooting

Troubleshooting > Packet Capture

+ Add - Delete

Capture Name	Interface
0	

10 items per page

## Nico مدخست سملل ةحجان لال ةقداصم لملل جذومن يلي اميف

Time	Source	Destination	Protocol	Length	La	Info
8696 22:58:16.412748	192.168.1.15	192.168.1.192	LDAP	108		bindRequest(1) "Administrator@lab.com" simple
8697 22:58:16.414425	192.168.1.192	192.168.1.15	LDAP	88		bindResponse(1) success
8699 22:58:16.419645	192.168.1.15	192.168.1.192	LDAP	128		searchRequest(2) "CN=Users,DC=lab,DC=com" wholeSubtree
8700 22:58:16.420536	192.168.1.192	192.168.1.15	LDAP	1260		searchResEntry(2) "CN=Nico,CN=Users,DC=lab,DC=com"   searchResDone(2) success [1 result]
8701 22:58:16.422383	192.168.1.15	192.168.1.192	LDAP	117		bindRequest(3) "CN=Nico,CN=Users,DC=lab,DC=com" simple
8702 22:58:16.423513	192.168.1.192	192.168.1.15	LDAP	88		bindResponse(3) success

مدخست سملل عم تانايب ال ةدعاق ال و ل WLC ةقداصم وهو ، LDAP ب WLC طبر 2 ل و ال مزحل لثمت (شح ب ءارج ال ع ارداق نو ك ي ن ا ل ج ا نم) لوؤس مل

موقت ي ت ال (WLC) ةي كل س ال ال ةي ل حم ال ةك ب ش ال ي ف مك ح ت ال ر ص ن ع ن ا ت ا ه LDAP مز ح ل ث م ت ي ل خ ا د ل ا ع ز ج ل ي و ت ح ي . ( CN=Users,DC=lab,DC=com ا ن ه ) ةي س ا س ال ال DN ةك ب ش ي ف ش ح ب ل ا ب ت ا م س LDAP ت ا ن ا ي ب ة د ع ا ق ع ج ر ت . ("Nico" ا ن ه ) م د خ ت س م ل م س ا ل ةي ف ص ت ل م ا ع ي ل ع ة م ز ح ل ل ح ا ج ن ك م د خ ت س م ل

ل و ا ح ي ي ذ ل ا (WLC) ةي كل س ال ال ةي ل حم ال ةك ب ش ال ي ف مك ح ت ال ر ص ن ع ة ر ي خ ال ال 2 مزحل لثمت ة ح ي ح ص ل ل ة م ل ك ال ي ه ر و ر م ل ة م ل ك ت ن ا ك ا ذ ا م ر ا ب ت خ ا ل ه ذ ه م د خ ت س م ل ر و ر م ة م ل ك عم ة ق د ا ص م ل

### 1. ةي ف ص ت ل م ا ع ك "sAMAccountName" ق ي ب ط ت نم ق ق ح ت ل و EPC ع ي م ج ت :

55	16:23:25.359966	10.106.38.195	10.127.209.57	LDAP		bindResponse(1) success
57	16:23:25.359966	10.127.209.57	10.106.38.195	LDAP		searchRequest(2) "CN=Users,DC=cceiw,DC=local" wholeSubtree
58	16:23:25.360973	10.106.38.195	10.127.209.57	LDAP		searchResEntry(2) "CN=vkl,CN=Users,DC=cceiw,DC=local"   searchResDone(2) success [2 resu...
247	16:23:40.117990	10.127.209.57	10.106.38.195	LDAP		bindRequest(1) "vkl" simple
248	16:23:40.119988	10.106.38.195	10.127.209.57	LDAP		bindResponse(1) success
264	16:23:40.120000	10.127.209.57	10.106.38.195	LDAP		searchRequest(2) "CN=Users,DC=cceiw,DC=local" wholeSubtree

Frame 57: 151 bytes on wire (1208 bits), 151 bytes captured (1208 bits)

Ethernet II, Src: cc:7f:76:65:42:6b (cc:7f:76:65:42:6b), Dst: Cisco\_33:28:ff (00:25:45:33:28:ff)

802.1Q Virtual LAN, PRI: 0, DEI: 0, ID: 263

Internet Protocol Version 4, Src: 10.127.209.57, Dst: 10.106.38.195

Transmission Control Protocol, Src Port: 64371, Dst Port: 389, Seq: 26, Ack: 23, Len: 81

Lightweight Directory Access Protocol

LDAPMessage searchRequest(2) "CN=Users,DC=cceiw,DC=local" wholeSubtree

messageID: 2

protocolOp: searchRequest(3)

searchRequest

baseObject: CN=Users,DC=cceiw,DC=local

scope: wholeSubtree(2)

derefAliases: neverDerefAliases(0)

sizeLimit: 0

timeLimit: 0

typesOnly: False

Filter: (sAMAccountName=vkokila)

filter: and(0)

and: (sAMAccountName=vkokila)

and: 1 item

Filter: (sAMAccountName=vkokila)

and item: equalityMatch(3)

equalityMatch

attributeDesc: sAMAccountName

assertionValue: vkokila

ن ا ف ، م د خ ت س م م س ا ك م ا د خ ت س ال ال د ي ق "sAMAccountName" ن ا ك و "cn" ةي ف ص ت ل ل م ا ع ض ر ع ا ذ ا

لشفتة قداصلما

ةكبشلا يف مكحتلا ةدحوب ةصاخلا (CLI) رماوالا رطس ةهجاو نم ldap ةطيرخ ةمس نيوكت دعأ (WLC) ةيكللساللا ةيلحملا

2. ةقداصلما تلشف الإو، حضاو صن يف "userPassword" مداخلا عاجرا نم دكأت.

Time	IP	Port	Protocol	Request	Response
1197	16:25:05.708962	10.127.209.57	10.106.38.195	LDAP	searchRequest(3) "CN=users,DC=cciew,DC=local" wholeSubtree
1198	16:25:05.709954	10.106.38.195	10.127.209.57	LDAP	searchResEntry(3) "CN=vk1, CN=Users, DC=cciew, DC=local"   searchResDone(3) success [2 res...

PartialAttributeList item userPassword
type: userPassword
vals: 1 item
AttributeValue: Cisco123
PartialAttributeList item givenName
type: givenName
vals: 1 item
AttributeValue: vk1
PartialAttributeList item distinguishedName
type: distinguishedName
vals: 1 item
AttributeValue: CN=vk1, CN=Users, DC=cciew, DC=local
PartialAttributeList item instanceType
type: instanceType
vals: 1 item
AttributeValue: 4
PartialAttributeList item whenCreated
type: whenCreated

3. ةيساسألا DN تامولعم نم ققحتلل مداخلا لىع LDP.exe ةادأ مدختسأ.



FileZilla Client



Best match



Idp

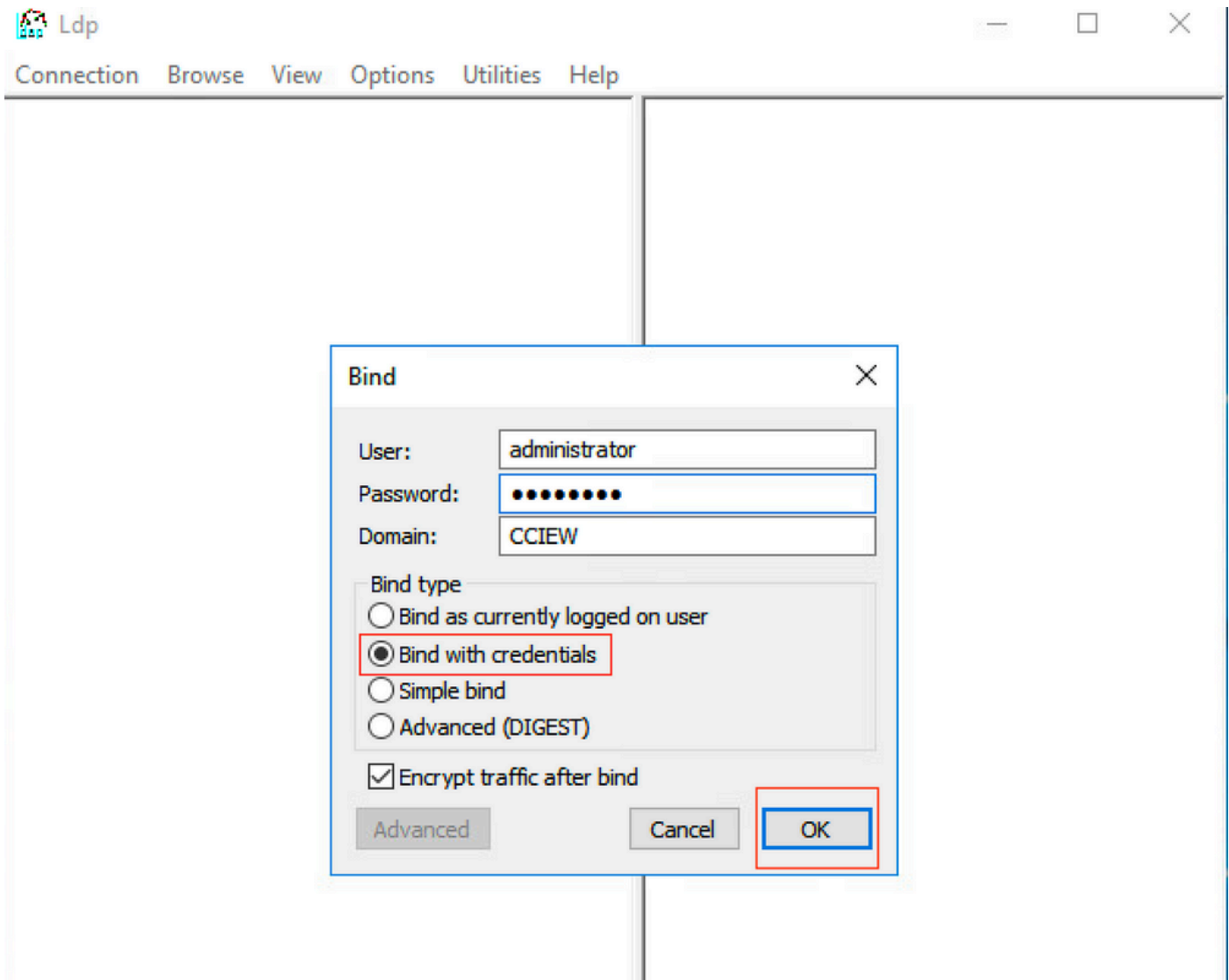
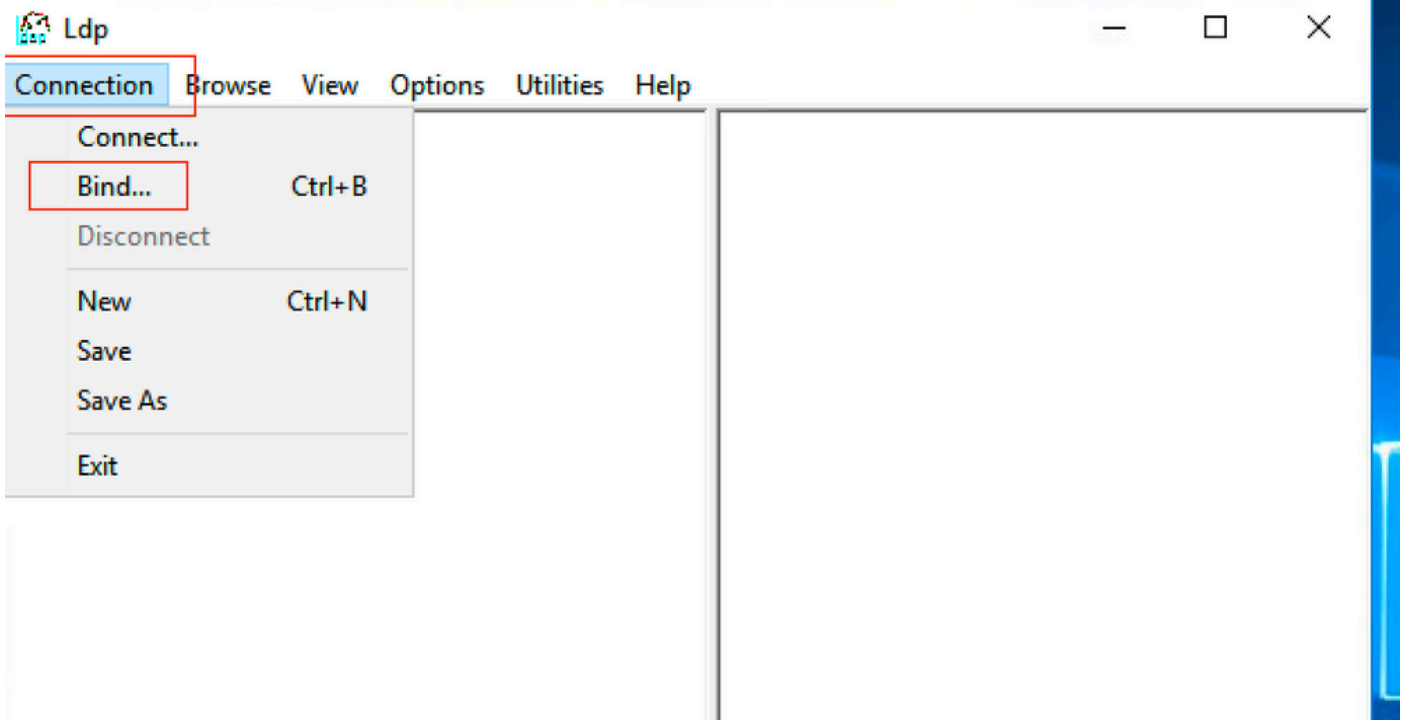
Run command



Idp







Idap://WIN-3JGG5JOCSVC.cciew.local/DC=cciew,DC=local

Connection Browse **View** Options Utilities Help

- Tree Ctrl+T
- Enterprise Configuration
- Status Bar
- Set Font...

```
POLICY_HINTS_DEPRECATED );
2.840.113556.1.4.2090 = ( DIRSYNC_EX );
2.840.113556.1.4.2205 = ( UPDATE_STATS
); 1.2.840.113556.1.4.2204 = (
TREE_DELETE_EX ); 1.2.840.113556.1.4.2206
= ( SEARCH_HINTS );
2.840.113556.1.4.2211 = (
EXPECTED_ENTRY_COUNT );
1.2.840.113556.1.4.2239 = ( POLICY_HINTS
); 1.2.840.113556.1.4.2255;
1.2.840.113556.1.4.2256;
1.2.840.113556.1.4.2309;
supportedLDAPPolicies (20): MaxPoolThreads;
MaxPercentDirSyncRequests;
MaxDatagramRecv; MaxReceiveBuffer;
InitRecvTimeout; MaxConnections;
MaxConnIdleTime; MaxPageSize;
MaxBatchReturnMessage;
```

Idap://WIN-3JGG5JOCSVC.cciew.local/DC=cciew,DC=local

Connection Browse View Options Utilities Help

```
POLICY_HINTS_DEPRECATED );
1.2.840.113556.1.4.2090 = ( DIRSYNC_EX );
1.2.840.113556.1.4.2205 = ( UPDATE_STATS
); 1.2.840.113556.1.4.2204 = (
TREE_DELETE_EX ); 1.2.840.113556.1.4.2206
= ( SEARCH_HINTS );
1.2.840.113556.1.4.2211 = (
EXPECTED_ENTRY_COUNT );
1.2.840.113556.1.4.2239 = ( POLICY_HINTS
); 1.2.840.113556.1.4.2255;
1.2.840.113556.1.4.2256;
1.2.840.113556.1.4.2309;
supportedLDAPPolicies (20): MaxPoolThreads;
MaxPercentDirSyncRequests;
```

**Tree View**

BaseDN:

```
MaxReceiveBuffer;
ns;
;
Duration;
SetSize;
erConn;
Range;
maxvarrange transitive, threadMemoryLimit;
SystemMemoryLimitPercent;
supportedLDAPVersion (2): 3; 2;
```

Connection Browse View Options Utilities Help

- DC=cciew,DC=local
- ... CN=Builtin,DC=cciew,DC=local
- ... CN=Computers,DC=cciew,DC=local
- ... OU=Domain Controllers,DC=cciew,DC=local
- ... CN=ForeignSecurityPrincipals,DC=cciew,DC=local
- ... CN=Infrastructure,DC=cciew,DC=local
- ... CN=Keys,DC=cciew,DC=local
- ... CN=LostAndFound,DC=cciew,DC=local
- ... CN=Managed Service Accounts,DC=cciew,DC=local
- ... CN=NTDS Quotas,DC=cciew,DC=local
- ... CN=Program Data,DC=cciew,DC=local
- ... CN=System,DC=cciew,DC=local
- ... CN=TPM Devices,DC=cciew,DC=local
- CN=Users,DC=cciew,DC=local**
- ... CN=Administrator,CN=Users,DC=cciew,DC=local
- ... CN=Allowed RODC Password Replication Group,CN=Users,DC=cciew,DC=local
- ... CN=Cert Publishers,CN=Users,DC=cciew,DC=local
- ... CN=Cloneable Domain Controllers,CN=Users,DC=cciew,DC=local
- ... CN=DefaultAccount,CN=Users,DC=cciew,DC=local
- ... CN=Denied RODC Password Replication Group,CN=Users,DC=cciew,DC=local
- ... CN=DnsAdmins,CN=Users,DC=cciew,DC=local
- ... CN=DnsUpdateProxy,CN=Users,DC=cciew,DC=local
- ... CN=Domain Admins,CN=Users,DC=cciew,DC=local
- ... CN=Domain Computers,CN=Users,DC=cciew,DC=local
- ... CN=Domain Controllers,CN=Users,DC=cciew,DC=local
- ... CN=Domain Guests,CN=Users,DC=cciew,DC=local
- ... CN=Domain Users,CN=Users,DC=cciew,DC=local
- ... CN=Enterprise Admins,CN=Users,DC=cciew,DC=local
- ... CN=Enterprise Key Admins,CN=Users,DC=cciew,DC=local
- ... CN=Enterprise Read-only Domain Controllers,CN=Users,DC=cciew,DC=local
- ... CN=Group Policy Creator Owners,CN=Users,DC=cciew,DC=local
- ... CN=Guest,CN=Users,DC=cciew,DC=local
- ... CN=kanu,CN=Users,DC=cciew,DC=local
- ... CN=Key Admins,CN=Users,DC=cciew,DC=local
- ... CN=krbtgt,CN=Users,DC=cciew,DC=local

```

adminCount: 1;
badPasswordTime: 0 (never);
badPwdCount: 0;
cn: vk1;
codePage: 0;
countryCode: 0;
displayName: vk1;
distinguishedName: CN=vk1,CN=Users,DC=cciew,DC=local;
dSCorePropagationData (2): 29-09-2021 15:16:40 India Standard Time; 0x0 = ( );
givenName: vk1;
instanceType: 0x4 = ( WRITE );
lastLogoff: 0 (never);
lastLogon: 0 (never);
logonCount: 0;
memberOf (4): CN=Domain Admins,CN=Users,DC=cciew,DC=local; CN=Enterprise Admins,CN=Users,DC=cciew,DC=local; CN=Schema Admins,CN=Users,DC=cciew,DC=local; CN=Administrators,CN=Builtin,DC=cciew,DC=local;
name: vk1;
objectCategory: CN=Person,CN=Schema,CN=Configuration,DC=cciew,DC=local;
objectClass (4): top; person; organizationalPerson; user;
objectGUID: 1814f794-025e-4378-abad-66ff78a4a4d3;
objectSid: S-1-5-21-1375146846-274930181-3003521951-1120;
primaryGroupID: 513 = ( GROUP_RID_USERS );
pwdLastSet: 27-09-2021 22:56:11 India Standard Time;
sAMAccountName: vkokila;
sAMAccountType: 805306368 = ( NORMAL_USER_ACCOUNT );
userAccountControl: 0x10200 = ( NORMAL_ACCOUNT | DONT_EXPIRE_PASSWORD );
userPassword: Cisco123;
userPrincipalName: vk1@cciew.local;
uSNChanged: 160181;
uSNCreated: 94284;
whenChanged: 29-09-2021 15:16:40 India Standard Time;
whenCreated: 25-12-2020 16:25:53 India Standard Time;
-----
Expanding base 'CN=Users,DC=cciew,DC=local'...
Getting 1 entries:
Dn: CN=Users,DC=cciew,DC=local
cn: Users;
description: Default container for upgraded user accounts;
distinguishedName: CN=Users,DC=cciew,DC=local;
dSCorePropagationData (2): 29-09-2019 01:09:51 India Standard Time; 0x1 = ( NEW_SD );
instanceType: 0x4 = ( WRITE );
isCriticalSystemObject: TRUE;
name: Users;
objectCategory: CN=Container,CN=Schema,CN=Configuration,DC=cciew,DC=local;

```

```

... CN=Users,DC=cciew,DC=local
... CN=Administrator,CN=Users,DC=cciew,DC=local
... CN=Allowed RODC Password Replication Group,CN=Users,DC=cciew,DC=local
... CN=Cert Publishers,CN=Users,DC=cciew,DC=local
... CN=Cloneable Domain Controllers,CN=Users,DC=cciew,DC=local
... CN=DefaultAccount,CN=Users,DC=cciew,DC=local
... CN=Denied RODC Password Replication Group,CN=Users,DC=cciew,DC=local
... CN=DnsAdmins,CN=Users,DC=cciew,DC=local
... CN=DnsUpdateProxy,CN=Users,DC=cciew,DC=local
... CN=Domain Admins,CN=Users,DC=cciew,DC=local
... CN=Domain Computers,CN=Users,DC=cciew,DC=local
... CN=Domain Controllers,CN=Users,DC=cciew,DC=local
... CN=Domain Guests,CN=Users,DC=cciew,DC=local
... CN=Domain Users,CN=Users,DC=cciew,DC=local
... CN=Enterprise Admins,CN=Users,DC=cciew,DC=local
... CN=Enterprise Key Admins,CN=Users,DC=cciew,DC=local
... CN=Enterprise Read-only Domain Controllers,CN=Users,DC=cciew,DC=local
... CN=Group Policy Creator Owners,CN=Users,DC=cciew,DC=local
... CN=Guest,CN=Users,DC=cciew,DC=local
... CN=kanu,CN=Users,DC=cciew,DC=local
... CN=Key Admins,CN=Users,DC=cciew,DC=local
... CN=krbtgt,CN=Users,DC=cciew,DC=local
... CN=Protected Users,CN=Users,DC=cciew,DC=local
... CN=RAS and IAS Servers,CN=Users,DC=cciew,DC=local
... CN=Read-only Domain Controllers,CN=Users,DC=cciew,DC=local
... CN=Schema Admins,CN=Users,DC=cciew,DC=local
... CN=sony s,CN=Users,DC=cciew,DC=local
... CN=tejas,CN=Users,DC=cciew,DC=local
... CN=test,CN=Users,DC=cciew,DC=local
... CN=test123,CN=Users,DC=cciew,DC=local
... CN=vk,CN=Users,DC=cciew,DC=local
... CN=vk1,CN=Users,DC=cciew,DC=local
... No children
... CN=Yogesh G.,CN=Users,DC=cciew,DC=local

```

```

showInAdvancedViewOnly: FALSE,
systemFlags: 0x8C000000 = ( DISALLOW_DELETE | DOMAIN_DISALLOW_REI
uSNChanged: 5888;
uSNCreated: 5888;
whenChanged: 29-09-2019 01:08:06 India Standard Time;
whenCreated: 29-09-2019 01:08:06 India Standard Time;

```

Expanding base 'CN=vk1,CN=Users,DC=cciew,DC=local'...  
Getting 1 entries:

```

Dn: CN=vk1,CN=Users,DC=cciew,DC=local
accountExpires: 9223372036854775807 (never);
adminCount: 1;
badPasswordTime: 0 (never);
badPwdCount: 0;
cn: vk1;
codePage: 0;
countryCode: 0;
displayName: vk1;
distinguishedName: CN=vk1,CN=Users,DC=cciew,DC=local;
dSCorePropagationData (2): 29-09-2021 15:16:40 India Standard Time; 0x0 =
givenName: vk1;
instanceType: 0x4 = ( WRITE );
lastLogoff: 0 (never);
lastLogon: 0 (never);
logonCount: 0;
memberOf (4): CN=Domain Admins,CN=Users,DC=cciew,DC=local; CN=Enterp
Admins,CN=Users,DC=cciew,DC=local; CN=Administrators,CN=Builtin,DC=
name: vk1;
objectCategory: CN=Person,CN=Schema,CN=Configuration,DC=cciew,DC=loc
objectClass (4): top; person; organizationalPerson; user;
objectGUID: 1814f794-025e-4378-abad-66ff78a4a4d3;
objectSid: S-1-5-21-1375146846-274930181-3003521951-1120;
primaryGroupID: 513 = ( GROUP_RID_USERS );
pwdLastSet: 27-09-2021 22:56:11 India Standard Time;
sAMAccountName: vkokila;
sAMAccountType: 805306368 = ( NORMAL_USER_ACCOUNT );
userAccountControl: 0x10200 = ( NORMAL_ACCOUNT | DONT_EXPIRE_PASS
userPassword: Cisco123;
userPrincipalName: vk1@cciew.local;
uSNChanged: 160181;
uSNCreated: 94284;
whenChanged: 29-09-2021 15:16:40 India Standard Time;
whenCreated: 25-12-2020 16:25:53 India Standard Time;

```

#### 4. تام سلا ططخمو مداخل تايئاصح نم ققحتلا

```
C9800-40-K9#show ldap server all
```

```
Server Information for ldap
```

```
=====
```

```

Server name           :ldap
Server Address        :10.106.38.195
Server listening Port :389
Bind Root-dn         :vk1
Server mode           :Non-Secure
Cipher Suite          :0x00
Authentication Seq    :Search first. Then Bind/Compare password next
Authentication Procedure:Bind with user password

```

Base-Dn :CN=users,DC=cciew,DC=local  
Object Class :Person  
Attribute map :VK  
Request timeout :30  
Deadtime in Mins :0  
State :ALIVE

-----

\* LDAP STATISTICS \*

Total messages [Sent:2, Received:3]  
Response delay(ms) [Average:2, Maximum:2]  
Total search [Request:1, ResultEntry:1, ResultDone:1]  
Total bind [Request:1, Response:1]  
Total extended [Request:0, Response:0]  
Total compare [Request:0, Response:0]  
Search [Success:1, Failures:0]  
Bind [Success:1, Failures:0]  
Missing attrs in Entry [0]  
Connection [Closes:0, Aborts:0, Fails:0, Timeouts:0]

-----

No. of active connections :0

-----

## عجارملا

[9800 نڤوك تاللا لاثم ڤل ع ڤل حملا EAP](#)

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا ذه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م دخت س م ل ل م عد ي و ت ح م م ي دقت ل ة ي ر ش ب ل و  
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب  
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه  
ي ل ا م ا ة ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا هذه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco  
Systems ( ر ف و ت م ط ب ا ر ل ا ) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا