# Configuration de l'authentification 802.1X avec PEAP, ISE 2.1 et WLC 8.3

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## Introduction

Ce document décrit comment configurer un réseau local sans fil (WLAN) avec la sécurité 802.1x et le remplacement du réseau local virtuel (VLAN).

## Conditions préalables

#### Exigences

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- 802.1x
- PEAP (Protected Extensible Authentication Protocol)
- Autorité de certification (CA)
- Certificats

#### Composants utilisés

Les informations contenues dans ce document sont basées sur les versions de matériel et de logiciel suivantes :

- WLC v8.3.102.0
- Identity Service Engine (ISE) v2.1
- Ordinateur portable Windows 10

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l'incidence possible des commandes.

# Informations générales

Lorsque vous configurez un WLAN avec la sécurité 802.1x et un VLAN, vous pouvez le remplacer par le protocole EAP (Protected Extensible Authentication Protocol).

# Configurer

#### Diagramme du réseau



#### Configuration

Les étapes générales sont les suivantes :

- 1. Déclarez le serveur RADIUS sur le WLC et vice versa pour permettre la communication entre eux.
- 2. Créez le SSID (Service Set Identifier) dans le WLC.
- 3. Créez la règle d'authentification sur ISE.
- 4. Créez le profil d'autorisation sur ISE.
- 5. Créez la règle d'autorisation sur ISE.
- 6. Configurez le terminal.

Déclarer le serveur RADIUS sur WLC

Afin de permettre la communication entre le serveur RADIUS et le WLC, vous devez enregistrer le serveur RADIUS sur le WLC et vice versa.

IUG:

Étape 1. Ouvrez l'interface graphique utilisateur du WLC et naviguez vers SECURITY > RADIUS > Authentication > New comme indiqué dans l'image.

սիսիս	and the second	Sa <u>v</u> e Configuration   <u>P</u> ing   Lo <u>g</u> out   <u>R</u> efresh
cisco	MONITOR WLANS CONTROLLER WIRELESS SECURITY MANAGEMENT COMMANDS HELP FEEDBACK	n Home
Security	RADIUS Authentication Servers	Apply New
AAA     General	Auth Called Station ID Type 🛛 AP MAC Address:SSID 🚽	
<ul> <li>RADIUS</li> <li>Authentication</li> </ul>	Use AES Key Wrap 🗌 (Designed for FIPS customers and requires a key wrap compliant RADIUS server)	
Accounting	MAC Delimiter V	
DNS	Framed MTU 1300	

Étape 2. Entrez les informations du serveur RADIUS comme indiqué dans l'image.

_		
R	ADIUS Authentication Ser	vers > New
	Server Index (Priority)	2 ~
	Server IP Address(Ipv4/Ipv6)	a.b.c.d
	Shared Secret Format	ASCII 🧹
	Shared Secret	•••••
	Confirm Shared Secret	•••••
	Key Wrap	🗌 (Designed fo
	Port Number	1812
	Server Status	Enabled $$
	Support for CoA	Disabled $\vee$
	Server Timeout	10 second
	Network User	🗹 Enable
	Management	🗹 Enable
	Management Retransmit Timeout	2 seconds

```
CLI :
```

```
> config radius auth add <index> <a.b.c.d> 1812 ascii <shared-key>
> config radius auth disable <index>
> config radius auth retransmit-timeout <index> <timeout-seconds>
> config radius auth enable <index>
```

<a.b.c.d> correspond au serveur RADIUS.

Créer un SSID

IUG:

Étape 1. Ouvrez l'interface graphique utilisateur du WLC et naviguez jusqu'à WLANs > Create New > Go comme indiqué dans l'image.

cisco	<u>M</u> ONITOR	<u>W</u> LANs	<u>C</u> ONTROLLER	W <u>I</u> RELESS	<u>S</u> ECURITY	M <u>A</u> NAGEMENT	C <u>O</u> MMANDS	HELP	<u>F</u> EEDBACK
WLANs	WLANs								
<ul> <li>WLANS</li> <li>WLANS</li> <li>Advanced</li> </ul>	Current Filt	er: No	ne [ <u>Cha</u>	nge Filter] [Cl	<u>ear Filter]</u>			Create N	lew 🗸 Go

Étape 2. Choisissez un nom pour le SSID et le profil, puis cliquez sur Apply comme indiqué dans l'image.

V	/LANs > New		< Back	Apply
	Туре	WLAN ~		
	Profile Name	profile-name		
	SSID	SSID-name		
	ID	2 ~		

CLI :

> config wlan create <id> <profile-name> <ssid-name>

Étape 3. Attribuez le serveur RADIUS au WLAN.

CLI :

> config wlan radius\_server auth add <wlan-id> <radius-index>

IUG:

Accédez à Security > AAA Servers et choisissez le serveur RADIUS souhaité, puis appuyez sur Apply comme indiqué dans l'image.

WLANs > Edit 'ise-prof'	< Back	Apply
General Security QoS Policy-Mapping Advanced		
Layer 2 Layer 3 AAA Servers		
		^
Select AAA servers below to override use of default servers on this WLAN		
RADIUS Servers		
RADIUS Server Overwrite interface Enabled		
Authentication Servers Accounting Servers EAP Parameters		
✓ Enabled     ✓ Enable     Enable		
Server 2 N		
Server 2 None V		
Server 3 None V None V		
Server 4 None V		
Server 5 None V None V		
Server 6 None V None V		
RADIUS Server Accounting		
Interim Update 🗸 Interim Interval 🛛 Seconds		~
<		>

Étape 4. Activez Allow AAA Override et augmentez éventuellement le délai d'expiration de la session

CLI :

> config wlan aaa-override enable <wlan-id>
> config wlan session-timeout <wlan-id> <session-timeout-seconds>

IUG:

Accédez à WLANs > WLAN ID > Advanced et activez Allow AAA Override. Le cas échéant, spécifiez le délai d'expiration de la session comme indiqué dans l'image.

WLANs > Edit 'ise-prof'				< Back	
General Security	QoS Policy-Mapping	Advanced			
	_				^
Allow AAA Override	🗹 Enabled	DHCP			
Coverage Hole Detection	🗹 Enabled	DHC	P Server	Override	
Enable Session Timeout	Session Timeou (secs)	DHC Assi	P Addr. gnment	Required	
Aironet IE	Enabled	OEAP			
Diagnostic Channel <u>18</u>	Enabled	Spli	t Tunnel	Enabled	
Override Interface ACL	IPv4 None 🗸	IPv6 None 😪 Manage	ement Frame Prot	ection (MFP)	
Layer2 Ad	None 🗸				
URL ACL	None 🗸	MFP	Client Protection d	🖞 Optional 🗸	
P2P Blocking Action	Disabled $\lor$	DTIM P	eriod (in beacon in	itervals)	
Client Exclusion 🛂	Enabled 60 Timeout Value (secs)	802	.11a/n (1 - 255)	1	
Maximum Allowed Clients 🗳	0	802. NAC	.11b/g/n (1 - 255)	1	
Static IP Tunneling	□	NAC	State None	V	>

### Étape 5. Activez le WLAN.

CLI :

> config wlan enable <wlan-id>

IUG:

Accédez à WLANs > WLAN ID > General et activez le SSID comme indiqué dans l'image.

WLANs>Edit 'ise-p	rof	< Back	Apply
General Securit	y QoS Policy-Mapping Advanced		
Profile Name Type SSID Status	ise-prof WLAN ise-ssid Imabled		
Security Policies	[WPA2][Auth(802.1X)] (Modifications done under security tab will appear after applying the changes.)	I	
Radio Policy	All		
Interface/Interface Group(G)	management 🗸		
Multicast Vlan Feature	Enabled		
Broadcast SSID	C Enabled		
NAS-ID	none		

Déclarer WLC sur ISE

Étape 1. Ouvrez la console ISE et accédez à Administration > Network Resources > Network Devices > Add comme indiqué dans l'image.

diado Identity Serv	ices Engine Hon	ne 🔹 🕨 Context '	Visibility 🔹 🕨 Operat	ons • Policy	✓ Administration	→ Worl
▶ System → Ident	ity Management 🛛 🕶 Net	work Resources	Device Portal Man	agement pxGr	id Services 🔹 🕨 Feed Se	ervice I
▼Network Devices	Network Device Group:	8 Network Devi	ce Profiles External	RADIUS Servers	RADIUS Server Sequ	iences
	G					
Network devices	Z	etwork Device	6			
Default Device		_				
	/	Edit 🕂 Add	Duplicate Emport	🚯 Export 👻 🕻	Generate PAC XDele	ete 🔻

Étape 2. Saisissez les valeurs.

Il peut éventuellement s'agir d'un nom de modèle, d'une version de logiciel, d'une description et d'une affectation de groupes de périphériques réseau en fonction des types de périphériques, de l'emplacement ou des WLC.

a.b.c.d correspond à l'interface WLC qui envoie l'authentification demandée. Par défaut, il s'agit de l'interface de gestion telle qu'illustrée dans l'image.

Network Devices List > New Network Device Network Devices
* Name WLC-name
Description optional description
*IP Address: a.b.c.d / 32
* Device Profile 👾 Cisco 👻 🕀
Model Name wic-model
Software Version 🛛 🔤 😴
* Network Device Group
Leastion Wills-2504
All Locations 💟 Set To Default
WLCs 📀 Set To Default
✓ RADIUS Authentication Settings
Enable Authoritation Cottings
Protocol <b>RADIUS</b>
* Shared Secret
Enable Keylöran
* Key Encryption Key
t Massage Authoritiester Carda Kar
* Message Authenticator Code Key Show
Key Input Format   ASCII  HEXADECIMAL
CoA Port 1700 Set To Default

Pour plus d'informations sur les groupes de périphériques réseau :

Créer un nouvel utilisateur sur ISE

Étape 1. Allez à Administration > Identity Management > Identities > Users > Add (gestion > gestion des identités > identités > utilisateurs > ajouter) en suivant les indications de l'image.

dialo Identity Services Engine	Home Conte	ext Visibility 🔹 🕨 Op	perations	▶ Policy	<ul> <li>Administration</li> </ul>
▶ System ▼Identity Management	Network Resource	es 🔹 🕨 Device Portal	Managemer	nt pxGrid 8	System
◄ Identities Groups External Iden	itity Sources Identit	y Source Sequences	<ul> <li>Setting</li> </ul>	IS	Deployment Licensing
3 Users	Network Acces	ss Users			Certificates Logging Maintenance
Latest Manual Network Scan Res	/ Edit - Add	🔯 Change Status 👻	C Import	Export -	Upgrade Backup & Restor Admin Access
	Cadding	Hame		Description	Settings
					Identity Managem

Étape 2. Entrez l'information.

Dans cet exemple, cet utilisateur appartient à un groupe appelé ALL\_ACCOUNTS, mais il peut être ajusté si nécessaire, comme illustré dans l'image.

Network Access Users	List > New Networ	k Access User	
Network Access	User		
* Name user1			
Status 🗾 Enable	d 💌		
Email			
<ul> <li>Passwords</li> </ul>			
Password Type:	Internal Users	×	
	Password		Re-Enter Passw
* Login Password	•••••		•••••
Enable Password			
👻 User Informati	on		
First Name			
Last Name			
Account Optio	ns		
	Description		
Change password	on next login 🛛		
👻 Account Disab	le Policy		
Disable accourt	nt if date exceeds	2017-01-21	

2. Ignorez la validation du serveur RADIUS et faites confiance à tout serveur RADIUS utilisé pour effectuer l'authentification (non recommandé, car il peut devenir un problème de sécurité).

La configuration de ces options est expliquée dans Configuration du périphérique final - Créer le profil WLAN - Étape 7.

Configuration du périphérique final - Installer le certificat auto-signé ISE

Étape 1. Exporter le certificat auto-signé.

Connectez-vous à ISE et accédez à Administration > System > Certificates > System Certificates.

Choisissez ensuite le certificat utilisé pour l'authentification EAP et cliquez sur Export comme indiqué dans l'image.



Enregistrez le certificat à l'emplacement requis. Ce certificat doit être installé sur l'ordinateur Windows comme illustré dans l'image.

Export Certificate 'EAP-SelfSignedCertificate#EAP-SelfSignedCertificate#00001	. 8
<ul> <li>Export Certificate Only</li> </ul>	
Export Certificate and Private Key	
*Private Key Password	
*Confirm Password	
Warning: Exporting a private key is not a secure operation. It could lead to possible exposure of th	ne private key.
Exp	ort Cancel

Étape 2. Installez le certificat sur l'ordinateur Windows.

Copiez le certificat exporté d'ISE dans la machine Windows, changez l'extension du fichier de .pem à .crt, et après cela double-cliquez afin de l'installer comme indiqué dans l'image.

🐱 Certificate	×
General Details Certification Path	
Certificate Information This CA Root certificate is not trusted. To enable trust, install this certificate in the Trusted Root Certification Authorities store.	
Issued to: EAP-SelfSignedCertificate	
Issued by: EAP-SelfSignedCertificate	
Valid from 23/11/2016 to 23/11/2018	
Install Certificate Issuer Statement	
OK	

Étape 3. Sélectionnez l'installer dans Local Machine et cliquez sur Next comme indiqué dans

l'image.

÷	E Certificate Import Wizard	×
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	Store Location	
	O Current User	
	(e) Local Machine	
	To continue, dick Next.	
	Next     Cancel	

Étape 4. Sélectionnez Placer tous les certificats dans ce magasin, puis recherchez et sélectionnez Autorités de certification racine de confiance. Après cela, cliquez sur Next comme indiqué dans l'image.

÷	Sertificate Import Wizard	×
	Certificate Stores are system areas where certificates are kept.	
	Windows can automatically select a certificate store, or you can specify a location for the certificate.	
	O Automatically select the certificate store based on the type of certificate	
	Place all certificates in the following store	
	Certificate store:	
	Trusted Root Certification Authorities Browse	
	Next Can	cel

Étape 5. Cliquez ensuite sur Finish comme indiqué dans l'image.

← 🛿 Ertificate Import Wizard	×
Completing the Certificate Import Wizard	
The certificate will be imported after you click Finish.	
You have specified the following settings:	
Certificate Store Selected by User Trusted Root Certification Authorities	
Content Certificate	
Finish Cancel	

Étape 6. Confirmez l'installation du certificat. Cliquez sur Yes comme indiqué dans l'image.

Security 1	Warning	×
	You are about to install a certificate from a certification authority (CA) claiming to represent: EAP-SelfSignedCertificate Windows cannot validate that the certificate is actually from "EAP-SelfSignedCertificate". You should confirm its origin by contacting "EAP-SelfSignedCertificate". The following number will assist you in this process: Thumbprint (sha1): C10A0000 ACCOMMENDED 200 \$2000 \$2000 \$2000 ACCOMMENDED 200 \$2000	
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?	
	Yes No	

Étape 7. Enfin, cliquez sur OK comme illustré dans l'image.



Configuration du périphérique final - Création du profil WLAN

Étape 1. Cliquez avec le bouton droit sur l'icône Démarrer et sélectionnez Panneau de configuration comme illustré dans l'image.

Programs and Features

Mobility Center

**Power Options** 

Event Viewer

System

Device Manager

Network Connections

Disk Management

Computer Management

**Command Prompt** 

Command Prompt (Admin)

Task Manager

**Control Panel** 

All a second as a second



Étape 3. Sélectionnez Manually connect to a wireless network, puis cliquez sur Next, comme indiqué dans l'image.

		-		х
← 1	Set Up a Connection or Network			
	Choose a connection option			
	Connect to the Internet			
	Set up a broadband or dial-up connection to the Internet.			
	Set up a new network			
	Set up a new router or access point.			
	Manually connect to a wireless network			
	Connect to a model network or create a new wreters prome			
	Set up a dial-up or VPN connection to your workplace.			
	Г	Next	Can	cel

Étape 4. Entrez les informations avec le nom du SSID et le type de sécurité WPA2-Enterprise et cliquez sur Next comme indiqué dans l'image.

			-		×
4	🐓 Manually connect to a v	vireless network			
	Enter information fo	r the wireless network you want to add			
	Network name:	ise-ssid			
	Security type:	WPA2-Enterprise			
	Encryption type:	AES			
	Security Key:	Hide character	6		
	Start this connection	automatically			
	Connect even if the	network is not broadcasting			
	Warning: If you sele	ct this option, your computer's privacy might be at risk.			
		Ne	pet	Can	cel

Étape 5. Sélectionnez Change connection settings afin de personnaliser la configuration du profil WLAN comme indiqué dans l'image.



Étape 6. Accédez à l'onglet Security et cliquez sur Settings comme indiqué dans l'image.

ise-ssid Wireless Ne	twork Properties			Х
Connection Security				
Security type:	WPA2-Enterprise		$\sim$	
Encryption type:	AES		$\sim$	
Choose a network aut	hentication method:			
Microsoft: Protected	EAP (PEAP) 🛛 🗸	Setting	gs	
Remember my cre	edentials for this connec	tion each		
time I'm logged o	n			
Advanced settings				
		ОК	Cance	I

Étape 7. Sélectionnez cette option si le serveur RADIUS est validé ou non.

Si oui, activez Vérifier l'identité du serveur en validant le certificat et, dans Autorités de certification racine de confiance : liste, sélectionnez le certificat auto-signé d'ISE.

Après cela, sélectionnez Configure et disable Automatically use my Windows logon name and password..., puis cliquez sur OK comme indiqué dans les images.

Protected EAP Properties	×
When connecting:	
Verify the server's identity by validating the certificate	
Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):	
Trusted Root Certification Authorities:	
<ul> <li>Eggin &amp; Cicked Lines and</li> <li>E. 1995 Assessed to relative dec</li> <li>E. 1996 Assessed to relative</li> </ul>	
EAP-SelfSignedCertificate	
End Advanced intercented to the first of the first o	
Notifications before connecting:	
Tell user if the server name or root certificate isn't specified $\qquad \qquad \qquad$	
Select Authentication Method:	
Secured password (EAP-MSCHAP v2)  Configure.	
Enable Fast Reconnect	
Disconnect if server does not present cryptobinding TLV	
Enable Identity Privacy	
OK Cancel	

Une fois de retour à l'onglet Security, sélectionnez Advanced settings, spécifiez authentication mode comme User authentication, et enregistrez les informations d'identification qui ont été configurées sur ISE afin d'authentifier l'utilisateur comme indiqué dans les images.

ise-ssid Wireless Ne	twork Properties			×
Connection Security				
Security type:	WPA2-Enterprise		$\sim$	
Encryption type:	AES		$\sim$	
Choose a network aut	hentication method:			
Microsoft: Protected E	EAP (PEAP) 🛛 🗸	Setting	ps.	
Remember my cre time I'm logged or	dentials for this connect	tion each		
Advanced settings				
		ок	Cano	el

Advanced settings	×
802.1X settings 802.11 settings	
Specify authentication mode:	
User authentication Save credentials	
Delete credentials for all users	
Enable single sign on for this network	
Perform immediately before user logon	
<ul> <li>Perform immediately after user logon</li> </ul>	
Maximum delay (seconds): 10 *	
Allow additional dialogs to be displayed during single sign on	
This network uses separate virtual LANs for machine and user authentication	
OK Cano	el

## Windows Security

## Save credentials

Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).

ahaha	user1		
cisco	••••••		
		OK	Cancel

## Vérifier

Utilisez cette section pour confirmer que votre configuration fonctionne correctement.

Le flux d'authentification peut être vérifié à partir du WLC ou du point de vue d'ISE.

Processus d'authentification sur WLC

Exécutez les commandes suivantes afin de surveiller le processus d'authentification pour un utilisateur spécifique :

> debug client <mac-add-client> > debug dot1x event enable > debug dot1x aaa enable

Exemple d'authentification réussie (certains résultats ont été omis) :

#### <#root>

\*apfMsConnTask\_1: Nov 24 04:30:44.317: e4:b3:18:7c:30:58 Processing assoc-req station:e4:b3:18:7c:30:58 AP:00:c8:8b:26:2c:d0-00 thread:1a5cc288  $\times$ 

\*apfMsConnTask\_1: Nov 24 04:30:44.317: e4:b3:18:7c:30:58 Reassociation received from mobile on BSSID 00 \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 Applying Interface(management) policy on Mobil \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 Applying site-specific Local Bridging override \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 Applying Local Bridging Interface Policy for s \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 RSN Capabilities: 60 \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 Marking Mobile as none4:b3:18:7c:30:58 Received 802.11i 802.1X key management suite, enabling dot1x Authentication 11w Capable \*apfMsConnTask\_1: Nov 24 04:30:44.318: e4:b3:18:7c:30:58 Received RSN IE with 1 PMKIDs from mobile e4:b \*apfMsConnTask\_1: Nov 24 04:30:44.319: Received PMKID: (16) \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 Searching for PMKID in MSCB PMKID cache for mo \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 No valid PMKID found in the MSCB PMKID cache f \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 0.0.0.0 START (0) Initializing policy \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 0.0.0.0 START (0) Change state to AUTHCHECK (2) last state START (0) \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 0.0.0.0 AUTHCHECK (2) Change state to 8021X\_REQD (3) last state AUTHCHECK (2) \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 0.0.0.0 8021X\_REQD (3) Plumbed mobile LWAPP ru \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 apfMsAssoStateInc \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 apfPemAddUser2 (apf\_policy.c:437) Changing sta \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 apfPemAddUser2:session timeout forstation e4:b \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 Stopping deletion of Mobile Station: (callerId \*apfMsConnTask\_1: Nov 24 04:30:44.319: e4:b3:18:7c:30:58 Func: apfPemAddUser2, Ms Timeout = 0, Session \*apfMsConnTask\_1: Nov 24 04:30:44.320: e4:b3:18:7c:30:58 Sending Assoc Response to station on BSSID 00:

\*spamApTask2: Nov 24 04:30:44.323: e4:b3:18:7c:30:58 Successful transmission of LWAPP Add-Mobile to AP
\*spamApTask2: Nov 24 04:30:44.325: e4:b3:18:7c:30:58 Received ADD\_MOBILE ack - Initiating 1x to STA e4:
\*spamApTask2: Nov 24 04:30:44.325: e4:b3:18:7c:30:58

Sent dot1x auth initiate message for mobile e4:b3:18:7c:30:58

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 reauth\_sm state transition 0 ---> 1 for mob \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 EAP-PARAM Debug - eap-params for Wlan-Id :2 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 Disable re-auth, use PMK lifetime. \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 Station e4:b3:18:7c:30:58 setting dot1x rea \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 Station e4:b3:18:7c:30:58 setting dot1x rea \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 Stopping reauth timeout for e4:b3:18:7c:30: \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326: e4:b3:18:7c:30:58 dot1x - moving mobile e4:b3:18:7c:30:58 int \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.326:

e4:b3:18:7c:30:58 Sending EAP-Request/Identity to mobile e4:b3:18:7c:30:58 (EAP Id 1)

```
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 Received EAPOL EAPPKT from mobile e4:b3:18:
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 Received Identity Response (count=1) from m
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 Resetting reauth count 1 to 0 for mobile e4
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 EAP State update from Connecting to Authent
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 dot1x - moving mobile e4:b3:18:7c:30:58 int
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 Entering Backend Auth Response state for mo
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.380: e4:b3:18:7c:30:58 Created Acct-Session-ID (58366cf4/e4:b3:18:
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.386: e4:b3:18:7c:30:58 Processing Access-Challenge for mobile e4:b
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.387: e4:b3:18:7c:30:58 Entering Backend Auth Req state (id=215) fo
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.387: e4:b3:18:7c:30:58 WARNING: updated EAP-Identifier 1 ===> 215
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.387: e4:b3:18:7c:30:58 Sending EAP Request from AAA to mobile e4:b
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.387: e4:b3:18:7c:30:58 Allocating EAP Pkt for retransmission to mo
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.390: e4:b3:18:7c:30:58 Received EAPOL EAPPKT from mobile e4:b3:18:
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.390: e4:b3:18:7c:30:58 Received EAP Response from mobile e4:b3:18:
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.390: e4:b3:18:7c:30:58 Resetting reauth count 0 to 0 for mobile e4
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.390: e4:b3:18:7c:30:58 Entering Backend Auth Response state for mo
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.393: e4:b3:18:7c:30:58 Processing Access-Challenge for mobile e4:b
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.393: e4:b3:18:7c:30:58 Entering Backend Auth Req state (id=216) fo
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.393: e4:b3:18:7c:30:58 Sending EAP Request from AAA to mobile e4:b
```

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.393: e4:b3:18:7c:30:58 Reusing allocated memory for EAP Pkt for r

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530:

e4:b3:18:7c:30:58 Processing Access-Accept for mobile e4:b3:18:7c:30:58

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530: e4:b3:18:7c:30:58 Resetting web IPv4 acl from 255 to 255
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530: e4:b3:18:7c:30:58 Resetting web IPv4 Flex acl from 65535 to 6
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530:

e4:b3:18:7c:30:58 Username entry (user1) created for mobile, length = 253

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530:

e4:b3:18:7c:30:58 Found an interface name: 'vlan2404' corresponds to interface name received: vlan2404

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530: e4:b3:18:7c:30:58 override for default ap group, marking intg \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530: e4:b3:18:7c:30:58 Applying Interface(management) policy on Mo \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.530: e4:b3:18:7c:30:58 Re-applying interface policy for client \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 apfApplyWlanPolicy: Apply WLAN Policy over \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531:

e4:b3:18:7c:30:58 Inserting AAA Override struct for mobile

MAC: e4:b3:18:7c:30:58, source 4 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Applying override policy from source Overri \*Dot1x\_NW\_MsgTask\_0: Nov 24

04:30:44.531: e4:b3:18:7c:30:58 Found an interface name: 'vlan2404' corresponds to interface name receive

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Applying Interface(vlan2404) policy on Mobi \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Re-applying interface policy for client \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Setting re-auth timeout to 0 seconds, got f \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Station e4:b3:18:7c:30:58 setting dot1x rea \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Stopping reauth timeout for e4:b3:18:7c:30: \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Creating a PKC PMKID Cache entry for statio \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Resetting MSCB PMK Cache Entry 0 for statio \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Adding BSSID 00:c8:8b:26:2c:d1 to PMKID cac \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: New PMKID: (16) \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: [0000] cc 3a 3d 26 80 17 8b f1 2d c5 cd fd a0 8a c4 39 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 unsetting PmkIdValidatedByAp \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Updating AAA Overrides from local for stati \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Adding Audit session ID payload in Mobility \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 0 PMK-update groupcast messages sent \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 PMK sent to mobility group \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Disabling re-auth since PMK lifetime can ta \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.531: e4:b3:18:7c:30:58 Sending EAP-Success to mobile e4:b3:18:7c:3 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 Freeing AAACB from Dot1xCB as AAA auth is d \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 key Desc Version FT - 0 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 Found an cache entry for BSSID 00:c8:8b:26: \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: Including PMKID in M1 (16) \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: [0000] cc 3a 3d 26 80 17 8b f1 2d c5 cd fd a0 8a c4 39 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: M1 - Key Data: (22) \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: [0000] dd 14 00 0f ac 04 cc 3a 3d 26 80 17 8b f1 2d c5 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: [0016] cd fd a0 8a c4 39 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532:

e4:b3:18:7c:30:58 Starting key exchange to mobile e4:b3:18:7c:30:58, data packets will be dropped
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532:
e4:b3:18:7c:30:58 Sending EAPOL-Key Message to mobile e4:b3:18:7c:30:58

state INITPMK (message 1), replay counter 00.00.00.00.00.00.00

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 Reusing allocated memory for EAP Pkt for r \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 Entering Backend Auth Success state (id=223 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 Received Auth Success while in Authenticati \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.532: e4:b3:18:7c:30:58 dot1x - moving mobile e4:b3:18:7c:30:58 int \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.547: e4:b3:18:7c:30:58 Received EAPOL-Key from mobile e4:b3:18:7c: \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.547: e4:b3:18:7c:30:58 Ignoring invalid EAPOL version (1) in EAPOL \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.547: e4:b3:18:7c:30:58 key Desc Version FT - 0 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.547:

e4:b3:18:7c:30:58 Received EAPOL-key in PTK\_START state (message 2) from mobile

e4:b3:18:7c:30:58

```
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Successfully computed PTK from PMK!!!
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Received valid MIC in EAPOL Key Message M2!
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Not Flex client. Do not distribute PMK Key
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Stopping retransmission timer for mobile e4
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Sending EAPOL-Key Message to mobile e4:b3:1
state PTKINITNEGOTIATING (message 3), replay counter 00.00.00.00.00.00.00
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.548: e4:b3:18:7c:30:58 Reusing allocated memory for EAP Pkt for r
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Ignoring invalid EAPOL-Key from mobile e4:b3:18:7c:
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Reusing allocated memory for EAP Pkt for r
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Reusing allocated memory for EAP Pkt for r
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Reusing invalid EAPOL-Key from mobile e4:b3:18:7c:
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Key Desc Version FT - 0
*Dotlx_NW_MsgTask_0: Nov 24 04:30:44.555:
```

e4:b3:18:7c:30:58 Received EAPOL-key in PTKINITNEGOTIATING state (message 4)

from mobile e4:b3:18:7c:30:58

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Stopping retransmission timer for mobile e4 \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Freeing EAP Retransmit Bufer for mobile e4: \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 apfMs1xStateInc \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 apfMsPeapSimReqCntInc \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 apfMsPeapSimReqSuccessCntInc \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 apfMsPeapSimReqSuccessCntInc \*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 apfMsPeapSimReqSuccessCntInc

e4:b3:18:7c:30:58 0.0.0.0 8021X\_REQD (3) Change state to L2AUTHCOMPLETE (4) last state 8021X\_REQD (3)

```
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Mobility query, PEM State: L2AUTHCOMPLETE
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.555: e4:b3:18:7c:30:58 Building Mobile Announce :
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                              Building Client Payload:
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                                Client Ip: 0.0.0.0
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                                Client Vlan Ip: 172.16.0.134, Vlan mask
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                                Client Vap Security: 16384
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                                Virtual Ip: 10.10.10.10
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                                ssid: ise-ssid
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58
                                                              Building VlanIpPayload.
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 Not Using WMM Compliance code qosCap 00
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 L2AUTHCOMPLETE (4) Plumbed mobile L
*Dot1x_NW_MsgTask_0: Nov 24 04:30:44.556:
```

e4:b3:18:7c:30:58 0.0.0.0 L2AUTHCOMPLETE (4) Change state to DHCP\_REQD (7) last state L2AUTHCOMPLETE (4)

\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) pemAdvanceState2 6677
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) Adding Fast Path rule
type = Airespace AP - Learn IP address
on AP 00:c8:8b:26:2c:d0, slot 0, interface = 1, QOS = 0
IPv4 ACL ID = 255, IPv
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) Fast Path rule (contd
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) Fast Path rule (contd
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) Fast Path rule (contd
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) Successfully plumbed
\*Dot1x\_NW\_MsgTask\_0: Nov 24 04:30:44.556: e4:b3:18:7c:30:58 Successfully Plumbed PTK session Keysfor mo
\*spamApTask2: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP\_REQD (7) mobility role update require
\*apfReceiveTask: Nov 2

```
Peer = 0.0.0.0, Old Anchor = 0.0.0.0, New Anchor = 172.16.0.3
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) State Update from Mobility
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) pemAdvanceState2 6315, Adv
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Replacing Fast Path rule
IPv4 ACL ID = 255,
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...)
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...)
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...)
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Fast Path rule (contd...)
*apfReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 0.0.0.0 DHCP_REQD (7) Successfully plumbed mobi
*pemReceiveTask: Nov 24 04:30:44.557: e4:b3:18:7c:30:58 Sent an XID frame
*dtlArpTask: Nov 24 04:30:47.932: e4:b3:18:7c:30:58 Static IP client associated to interface vlan2404 w
*dtlArpTask: Nov 24 04:30:47.933: e4:b3:18:7c:30:58 apfMsRunStateInc
*dtlArpTask: Nov 24 04:30:47.933:
e4:b3:18:7c:30:58 172.16.0.151 DHCP_REQD (7) Change state to RUN (20)
last state DHCP_REQD (7)
```

Pour lire facilement les sorties du client de débogage, utilisez l'outil d'analyse de débogage sans fil :

Outil d'analyse pour le débogage de réseaux sans fil

Processus d'authentification sur ISE

Accédez à Operations > RADIUS > Live Logs afin de voir quelle stratégie d'authentification, stratégie d'autorisation et profil d'autorisation a été attribué à l'utilisateur.

Pour plus d'informations, cliquez sur Details afin de voir un processus d'authentification plus détaillé comme montré dans l'image.

ditalia cisco	Identi	ty Service	s Engine	Home	♦ Context	: Visibility	→ Operations	Policy	• Administrati	tion 💦 🕨	Work Centers		License	
▼RA	DIUS	TC-NAC Li	ve Logs	+ TACACS	Reports +	Troubleshoot	▶ Adaptive	e Network Control						
Live	Logs	Live Sessio	ons											
		Misconfigured Supplicants			ants I	Misconfigured Network Devices 🛛		RADIUS Drops 🖲		9	Client Stopped Responding		ng Repea	
										Refresh	Never	Show	Latest 20 records	
OR	C Refresh ●Reset Repeat Counts													
	Time	Sta	Details	lde	Endpoint I	D End	point 🖌	Authentication	Policy	Autho	orization Polic	y Authori	zation Profiles	
	No 🕦 🗖		user1 08:74:02:		13:45 Apple-Device		Default >> Rule ⊓ame >> Default		Default	Default >> NameAuthZrule		cessVLAN2404		

## Dépannage

Il n'y a actuellement aucune information spécifique disponible pour dépanner cette configuration.

#### À propos de cette traduction

Cisco a traduit ce document en traduction automatisée vérifiée par une personne dans le cadre d'un service mondial permettant à nos utilisateurs d'obtenir le contenu d'assistance dans leur propre langue.

Il convient cependant de noter que même la meilleure traduction automatisée ne sera pas aussi précise que celle fournie par un traducteur professionnel.