Configurer le mappage de certificat pour l'authentification client sécurisée sur FTD via FMC

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Introduction

Ce document décrit comment configurer Cisco Secure Client avec SSL sur FTD via FMC en utilisant le mappage de certificat pour l'authentification.

Conditions préalables

Exigences

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- Cisco Firepower Management Center (FMC)
- Défense contre les menaces de pare-feu (FTD) virtuelle
- Flux d'authentification VPN

Composants utilisés

- Cisco Firepower Management Center pour VMWare 7.4.1
- Cisco Firewall Threat Defense Virtual 7.4.1
- Cisco Secure Client 5.1.3.62

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

Le mappage de certificat est une méthode utilisée dans les connexions VPN où un certificat client est mappé à un compte d'utilisateur local, ou des attributs dans le certificat sont utilisés à des fins d'autorisation. Il s'agit d'un processus où un certificat numérique est utilisé comme moyen d'identifier un utilisateur ou un périphérique. En utilisant le mappage de certificat, il utilise le protocole SSL pour authentifier les utilisateurs sans qu'ils aient besoin d'entrer des informations d'identification.

Ce document décrit comment authentifier le client sécurisé Cisco en utilisant le nom commun d'un certificat SSL.

Ces certificats contiennent un nom commun qui est utilisé à des fins d'autorisation.

- CA : ftd-ra-ca-common-name
- Certificat du client VPN de l'ingénieur : vpnEngineerClientCN
- Certificat du client VPN du gestionnaire : vpnManagerClientCN
- Certificat du serveur : 192.168.1.200

Diagramme du réseau

Cette image présente la topologie utilisée pour l'exemple de ce document.



Diagramme du réseau

Configurations

Configuration dans FMC

Étape 1. Configurer l'interface FTD

Accédez à Périphériques > Gestion des périphériques, modifiez le périphérique FTD cible, configurez l'interface externe pour FTD dans l'onglet Interfaces.

Pour GigabitEthernet0/0,

- Nom : extérieur
- Zone de sécurité : outsideZone
- Adresse IP : 192.168.1.200/24

Firewall Management Center Devices / Secure Firewall Interfaces	Overview	Analysis	Policies	Devices	Objects	Integration			Deploy	۹	6 ° <	0	admin v	cisco	SECURE
1.1 Carcel Cisco Firepower Threat Defense for VMware Device Routing Interfaces Inline Sets DHCP VTEP															
All Interfaces Virtual Tunnels	All Interfaces Virtual Tunnels Add Interfaces Add Interfaces Add Interfaces														
Interface	Logical Name	Туре	Security	Zones	MAC Add	ress (Active/Standby)	IP Address		F	Path Mo	nitoring	Vir	tual Router		
Management0/0	management	Physical							(Disabled	ł	Glo	bal		९ √:
GigabitEthemet0/0	outside	Physical	outsideZ	one			192.168.1	200/24(Static)	t.	Disabled	ł	Glo	bal		/

Interface FTD

Étape 2. Confirmer la licence Cisco Secure Client

Accédez à Périphériques > Gestion des périphériques, modifiez le périphérique FTD cible, confirmez la licence Cisco Secure Client dans l'onglet Périphérique.

Firewall Management Center Devices / Secure Firewall Device Summary	Overview Analys	sis Policies Devices	Objects Integration		Deploy Q 💕 🌣 🎯	admin ~ deales SECURE
1.5.5.149 Cisco Firepower Threat Defense for VMware		License		0		
Device Routing Interfaces Inline Sets	DHCP VTEP	License Types Performance Tier:	FTDv5 - 100 Mbps	•		
General	14	Essentials:		m		© G
Name: Transfer Packets: Troubleshoot: Mode: Compliance Mode: Performance Profile:	1. June 1.4 Ye Logs CLI Download Routes Non Defaul	Export-Controlled Features: Malware Defense: IPS: Carrier: URL:		: Zone: n: Zone settin; aased Rulei	Cisco Firepower Threat 2 g for s:	Defense for VMware 9A33F35ANSU 024-06-14 07:38:47 UTC (UTC+0:00) 7,4,1 UTC (UTC+0:00)
TLS Crypto Acceleration: Device Configuration: OnBoarding Method: Inspection Engine	Disabler	Secure Client Premier: Secure Client Advantage: Secure Client VPN Only: If a device already has Secure Client VPS Secure Client Premier or Secure Client An has Secure Client Premier or Secure Client have Secure Client VPN Only	V Only they cannot have dvantage. If a device nt Advantage It cannot	gement		710
Inspection Engine: Revert to Snort 2	Snort			Cancel Save dary Addre	ress:	1.11111.49

Licence client sécurisée

Étape 3. Ajouter un pool d'adresses IPv4

Accédez à Object > Object Management > Address Pools > IPv4 Pools, cliquez sur Add IPv4 Pools.

Firewall Managemen	t Center Overview Analysis Policies Devices Objects Integration	Deploy 🔍 💕 🌣 🙆	admin ~ "thethe SECURE
> AAA Server	IPv4 Pools	Add IPv4 Pools Q, Filt	er
> Access List			
✓ Address Pools	IPv4 pool contains list of IPv4 addresses, it is used for management/diagnostic interface with clustering, or for VPN remote access profiles.		
IPv4 Pools			
IPv6 Pools	Name	Value	Override
Application Filters			
AS Path	No records to display		
RED Template			

Ajouter un pool d'adresses IPv4

Entrez les informations nécessaires pour créer un pool d'adresses IPv4 pour le client VPN ingénieur.

- Nom : ftd-vpn-engineering-pool
- Plage d'adresses IPv4 : 172.16.1.100-172.16.1.110
- Masque : 255.255.255.0

Name*	
ftd-vpn-engineer-pool	
Description	
IPv4 Address Range*	
172.16.1.100-172.16.1.110	
Format: ipaddr-ipaddr e.g., 10.72.1.1-10.72.1.150	
Mask*	
255.255.255.0	
Allow Overrides	
Configure device overrides in the address pool object to avoid IP address conflicts in case of object is shared across multiple devices	
▶ Override (0)	
	Cancel Save

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Pool d'adresses IPv4 pour le client VPN Engineer

Entrez les informations nécessaires pour créer un pool d'adresses IPv4 pour le client VPN du manager.

- Nom : ftd-vpn-manager-pool
- Plage d'adresses IPv4 : 172.16.1.120-172.16.1.130
- Masque : 255.255.255.0

Name*	
ftd-vpn-manager-pool	
Description	
IPv4 Address Range*	
172.16.1.120-172.16.1.130	
Format: ipaddr-ipaddr e.g., 10.72.1.1-10.72.1.150	
Mask*	
255.255.255.0	
Allow Overrides	
Configure device overrides in the address pool object to avoid IP address conflicts in case of object is shared across multiple devices	
 Override (0) 	
	Cancel Save
Pool d'adresses IPv4 pour le client VPN Manager	

Firewall Manageme Objects / Object Manageme	ent Center	Overview	Analysis	Policies	Devices	Objects	Integration	D	leploy	ર 💕	٥ (admin ~	cisco SECURE
> AAA Server	IPv4 Po	ols						1	Add IPv4	Pools	Q, Fi	ter	
> Access List													
✓ Address Pools	IPv4 pool co	ntains list of IPv	4 addresses, it	is used for ma	anagement/di	agnostic interf	ace with clustering, or for VPN remote access profiles.						
IPv4 Pools													
IPv6 Pools	Name							Value				Override	
Application Filters		lasses and						170.16.1.1	100 170 10	1 110	1		
AS Path	no-vpn-eng	ineer-pool						172.10.1.1	100-172.16	.1.110		0	/
BFD Template	ftd-vpn-man	nager-pool						172.16.1.1	120-172.16	.1.130		0	11
Cipher Suite List													



Étape 4. Ajouter une stratégie de groupe

Accédez à Object > Object Management > VPN > Group Policy, cliquez sur Add Group Policy button.

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Ajouter une stratégie de groupe

Entrez les informations nécessaires pour créer une stratégie de groupe pour le client VPN ingénieur.

- Nom : ftd-vpn-engineering-grp
- Protocoles VPN : SSL

Add Group Policy		0
Name:* ftd-vpn-engineer-grp		
Description:		
General Secure	Client Advanced	
VPN Protocols	VPN Tunnel Protocol:	
IP Address Pools	Specify the VPN tunnel types that user can use. At least one tunneling m must be configured for users to connect over a VPN tunnel.	ode
Banner	SSL SSL	
DNS/WINS	IPsec-IKEv2	
Split Tunneling		

Stratégie de groupe pour le client VPN ingénieur

Entrez les informations nécessaires pour créer une stratégie de groupe pour le client VPN du manager.

- Nom : ftd-vpn-manager-grp
- Protocoles VPN : SSL

Add Group Policy

Name:*	
ftd-vpn-manager-g	rp
Description:	
General Secure	Client Advanced
VPN Protocols	VPN Tunnel Protocol:
IP Address Pools	Specify the VPN tunnel types that user can use. At least one tunneling mode must be configured for users to connect over a VPN tunnel.
Banner	SSL SSL
DNS/WINS	IPsec-IKEv2
Split Tunneling	
ratégie de groupe pour le clie	ent VPN du gestionnaire

Confirmez les nouvelles stratégies de groupe.

Firewall Managemen Objects / Object Managemen	t Center Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	Q	ø	¢G	admin ~	cisco SECURE
> PKI							_					
Policy List	Group Policy						Add G	iroup P	licy	Q, Fil	ter	
Port												
> Prefix List	A Group Policy is a set of a current connection profile	attribute and valu	e pairs, stored	in a group p	olicy object, th	at define the remote access VPN experience. The RADIUS authoriz	ation serv	er assiç	ins the (proup p	olicy or it is o	btained from the
Route Map	current connection prome.											
> Security Intelligence	Name											
Sinkhole	DftGroPolicy											1=
SLA Monitor	omorprotey	_										/ 1
Time Range	ftd-vpn-engineer-grp											/1
Time Zone	ftd-vpn-manager-grp											11
Tunnel Zone		_										

Nouvelles stratégies de groupe

Étape 5. Ajouter un certificat FTD

Accédez à Object > Object Management > PKI > Cert Enrollment, cliquez sur le bouton Add Cert Enrollment.

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Ajouter une inscription de certificat

Entrez les informations nécessaires pour le certificat FTD et importez un fichier PKCS12 depuis l'ordinateur local.

- Nom : ftd-vpn-cert
- Type d'inscription : fichier PKCS12

Add Cert Enrollment

Name* ftd-vpn-cert		
Description		
This certificate is aire Device>Certificate pa	ady enrolled on devices.Remove the e ge to edit/delete this Certificate.	nrolment from
CA Information	Certificate Parameters Key Revo	ocation
Enroliment Type:	PKCS12 File	
PKCS12 File*:	ftdCert.pfx	Browse PKCS12 File
Passphrase*:		·
Validation Usage:	SSL Client SSL Client 🗌 S	SL Server
	Skip Check for CA flag in basic cor	straints of the CA Certificate
		Cancel Save

Détails de l'inscription au certificat

Confirmez la nouvelle inscription de certificat.

Firewall Manageme Objects / Object Manageme	nt Center Overview Analysis Policies Devices Objects Integration Deploy Q	6 0 0	admin ~ disalte SECURE
Cipher Suite List			
> Community List	Cert Enrollment Add Cert Enrollm	ment Q	
DHCP IPv6 Pool	A certificate enrollment object contains the Certification Authority (CA) server information and enrollment parameters that are required for creation Certificate Signing Ref.	equests (CSRs) a	nd obtaining Identity
> Distinguished Name	A definition of the specified Contains of ordinates or relations (Core) of the structure (PKI).	equests (corts) e	na obtaining lacinary
DNS Server Group			
> External Attributes	Name	Туре	Override
File List	ftd-vpn-cert	PKCS12 File	/1
> FlexConfig	·		

Nouvelle inscription de certificat

Accédez à Périphériques > Certificats, cliquez sur le bouton Ajouter.

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Firew Devices	all Manageme / Certificates	ent Center	Overview	Analysis	Policies	Devices	Objects	Integration		Deploy	Q	¢	° 0	admin \sim	dode SECURE
Filter All Certificate	5	*													Add
Name		Domain	Enrollment	t Type	Identity Certifi	icate Expiry		CA Certificate Expiry	Status						
							No certificates	Add Certificates							^

Ajouter un certificat FTD

Entrez les informations nécessaires pour lier la nouvelle inscription de certificat au FTD.

- Périphérique : 1.x.x.49
- Inscription au certificat : ftd-vpn-cert

Add New Certificate

Add a new certificate to the device using cert enrollment object which is used to generate CA and identify certificate.

Device*:		
1.1541.0.49	*)
Cert Enrollment*:		
ftd-vpn-cert	Ŧ] -

Cert Enrollment Details:

Name:	ftd-vpn-cert
Enrollment Type:	PKCS12 file
Enrollment URL:	N/A



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Lier le certificat au FTD

Confirmez l'état de la liaison de certificat.

G	Firewall Manageme Devices / Certificates	ent Center	Overview	Analysis	Policies	Devices	Objects	Integration		Deploy	Q	¢	° 0	adr	nin ~	diada SEC	URE
Fi	lter All Certificates	•														Add	Í
	Name	Domain	Enrollment T	ype	Identity Certifica	te Expiry		CA Certificate Expiry	Status								1
	∨ cma 1,5,3,4,9,49																^
	ftd-vpn-cert	Global	PKCS12 file		Jun 16, 2025			Jun 16, 2029	CA ID					-	± ₽ C	Ŵ	L

État de la liaison de certificat

Étape 6. Ajouter une affectation de stratégie pour le profil de connexion de l'ingénieur

Accédez à Périphériques > VPN > Accès à distance, cliquez sur le bouton Ajouter.

Firewall Management Center Overview Analysis P Devices / VPN / Remote Access	Policies Devices Objects Integration		Deploy Q	6 0	admin \checkmark	cisco SECURE
						Add
Name	Status	Last Modified				
	No configuration available Add a new configura	tion				

Ajouter un VPN d'accès à distance

Saisissez les informations nécessaires et cliquez surBouton Suivant.

- Nom : ftd-vpn-engineering
- Protocoles VPN : SSL
- Périphériques ciblés : 1.x.x.49

Firewall Management Center Overview Analysis Policies Devices Objects Integration	Deploy Q 🚱 🌣 🕢 admin 🗸 🔥 secure
Remote Access VPN Policy Wizard Policy Assignment ② Connection Profile ③ Secure Client ④ Access & Certificate ⑤ Summa	ary
Targeted Devices and Protocols This wizard will guide you through the required minimal steps to configure the Remote Access VPN policy with a new user-defined connection profile. Name:* Ifd-vpn-engineer Description: VPN Protocols: VPN Protocols: Image: Ipsec-IKEv2 Targeted Devices: Available Devices Q. Search 1.100000000000000000000000000000000000	Before You Start Before you start, ensure the following configuration elements to be in place to complete Remote Access VPN Policy. Authentication Server Configure LOCAL or Realm or RADIUS Server Group or SSO to authenticate VPN clients. Secure Client Package Make sure you have Secure Client package for VPN Client downloaded or you have the relevant Clico credentials to download it during the wizard. Device Interface Interfaces should be already configured on targeted devices so that they can be used as a security zone or interface group to enable VPN access.
4	Cancel Back Next

Affectation de stratégie

Étape 7. Configurer les détails du profil de connexion de l'ingénieur

Saisissez les informations nécessaires et cliquez surBouton Suivant.

- · Méthode d'authentification : certificat client uniquement
- · Nom d'utilisateur du certificat : champ spécifique au mappage
- Champ principal : CN (nom commun)
- Champ secondaire : OU (Unité organisationnelle)
- Pools d'adresses IPv4 : ftd-vpn-engineering-pool
- Stratégie de groupe : ftd-vpn-engineering-grp

Firewall Management Center Devices / VPN / Setup Wizard	Analysis Policies Devices Objects Integration	Deploy	۹	¢ 🗘	admin ~	esco SECURE
Remote Access VPN Policy Wizard						
Policy Assignment 2 Connection Profile	3 Secure Client 4 Access & Certificate 5 Summary					
	Connection Profile:					
	Connection Profiles specify the tunnel group policies for a VPN connection. These policies pertain to creating the tunnel itself, how AAA is accomplished and how addresses are assigned. They also include user attributes, which are defined in group policies.					
	This name is configured as a connection alias, it can be used to connect to the VPN gateway					
	Authentication, Authorization & Accounting (AAA):					
	Specify the method of authentication (AAA, certificates or both), and the AAA servers that will be used for VPN connections.					
	Authentication Method: Client Certificate Only					
	Username From Certificate: Map specific field Use entire DN (Distinguished Name) as username					
	Primary Field: CN (Common Name)					
	Secondary Field: OU (Organisational Unit)					
	Authorization Server: (Realm or RADIUS) +					
	Accounting Server: (PADIUS) +					
	Client Address Assignment:					
	Client IP address can be assigned from AAA server, DHCP server and IP address pools. When multiple options are selected. IP address assignment is tried in the order of AAA server. DHCP server and IP address pool					
	Use AAA Server (Realm or RADIUS only)					
	Use DHCP Servers					
	Use IP Address Pools					
	IPv4 Address Pools: ftd-vpn-engineer-pool					
	IPv6 Address Pools:					
	Group Policy:					
	A group policy is a collection of user-oriented session attributes which are assigned to client when a VPN connection is established. Select or create a Group Policy object.					
	Group Policy:* ftd-vpn-engineer-grp +					
	Edit Group Policy					

Détails du profil de connexion

Étape 8. Configurer l'image client sécurisée pour le profil de connexion de l'ingénieur

Sélectionnez le fichier image client sécurisé et cliquez surBouton Suivant.

Firewall Management Center Ov Devices / VPN / Setup Wizard	view Analysis Policies Devices Objects Integration	Deploy	۹	6	> 0	admin ~	cisco SECURE
Remote Access VPN Policy Wizar							
1 Policy Assignment 2 Connection Profile	3 Secure Client Access & Certificate S Summary						
	Remote User Secure Client Internet Outside Upp Inside Corporate Resources						
	AAA						
	Secure Client Image						
	The VPN gateway can automatically download the latest Secure Client package to the client device when the VPN connection is initiated. Minimize connection setup time by choosing the appropriate OS for the selected package						
	Connection is intereed, minimize connection setup and by choosing the appropriate Go for the selected percage.						
	bowindad secure crient packages norm cisco sontware bowindad center.						
	Show Re-order buttons +						
	Secure Client File Object Name Secure Client Package Name Operating System						
	cisco-secure-client-win-5.1.3.6 cisco-secure-client-win-5.1.3.62-webdeplo Windows						
4							•
				[Cance	l Back	Next

Étape 9. Configurer l'accès et le certificat pour le profil de connexion d'ingénieur

Sélectionnez une valeur pour les éléments Groupe d'interfaces/Zone de sécurité et Inscription de certificat, cliquez sur Next.

- · Groupe d'interfaces/Zone de sécurité : outsideZone
- Inscription au certificat : ftd-vpn-cert

Firewall Management Center Devices / VPN / Setup Wizard	Analysis Policies Devices Objects Integration	Deploy Q 🚱 🌣 🕢 admin 🗸 🕬 SECURE
Remote Access VPN Policy Wizard		
Policy Assignment 2 Connection Profile	3 Secure Client 3 Access & Certificate 5 Summary	
	Network Interface for Incoming VPN Access	
	Select or create an Interface Group or a Security Zone that contains the network interfaces users will access for VPN connections. Interface group/Security Zone:* outsideZone + Control Contr	
	All the devices must have interfaces as part of the Interface Group/Security Zone selected.	
	Device Certificates	
	Device certificate (also called identity certificate) identifies the VPN gateway to the remote access clients. Select a certificate which is used to authenticate the VPN gateway.	
	Certificate Enrollment:* ftd-vpn-cert +	
	Access Control for VPN Traffic	
	All decrypted traffic in the VPN tunnel is subjected to the Access Control Policy by default. Select this option to bypass decrypted traffic from the Access Control Policy.	
	Bypass Access Control policy for decrypted traffic (sysopt permit-vpn) This ontion humsees the Access Control Policy inspection, but VDN filter ACL and	
` <u> </u>		Cancel Back Next

Détails de l'accès et du certificat

Étape 10. Confirmer le résumé du profil de connexion de l'ingénieur

Confirmez les informations entrées pour la stratégie VPN d'accès à distance et cliquez sur Finish button.



Étape 11. Ajouter un profil de connexion pour le client VPN Manager

Accédez à Périphériques > VPN > Accès à distance > Profil de connexion, cliquez sur + bouton.

Firewall Management Center Devices / VPN / Edit Connection Profile Overview	Analysis Policies Devices Objects Integration	Deploy Q 💕 🔅 🕖	admin ~ dode SECURE
ftd-vpn-engineer			Save Cancel
Enter Description			
		Local Realm: None	Policy Assignments (1) Dynamic Access Policy: None
Connection Profile Access Interfaces Advanced			
			_
			+
Name	AAA	Group Policy	
DefaultWEBVPNGroup	Authentication: None Authorization: None Accounting: None	DfltGrpPolicy	/1
ftd-vpn-engineer	Authentication: Client Certificate Only Authorization: None Accounting: None	■ ftd-vpn-engineer-grp	/1

Ajouter un profil de connexion pour le client VPN Manager

Entrez les informations nécessaires pour le profil de connexion et cliquez sur le bouton Save.

- Nom : ftd-vpn-manager
- Stratégie de groupe : ftd-vpn-manager-grp
- Pools d'adresses IPv4 : ftd-vpn-manager-pool

Add Connection Profile

Connection Profile:*	ftd-vpn-manager	
Group Policy:*	ftd-vpn-manager-grp	• +
Client Address Assignment	AAA Aliases	-

IP Address for the remote clients can be assigned from local IP Address pools/DHCP Servers/AAA. Servers. Configure the 'Client Address Assignment Policy' in the Advanced tab to define the assignment criteria.

Address Pools:

Name	IP Address Range	
ftd-vpn-manager-pool	172.16.1.120-172.16.1.130	ftd-vpn-manager-pool

DHCP Servers: + Name DHCP Server IP Address Understand Cancel Save

Détails du profil de connexion pour le client VPN Manager

Confirmez les nouveaux profils de connexion ajoutés.

Firewall Management Center Devices / VPN / Edit Connection Profile Overview	Analysis Policies Device	es Objects Integrat	on	Deploy Q 💕 🌣 🍘	admin ~ distant SECURE		
d-vpn-engineer You have unsaved changes Save Cancel							
Enter Description			La	ocal Realm: None	Policy Assignments (1) Dynamic Access Policy: None		
Connection Profile Access Interfaces Advanced							
					+		
Name	AAA		Group Policy				
DefaultWEBVPNGroup	Authentication: None Authorization: None Accounting: None		DftGrpPolicy	_	/1		
ftd-vpn-engineer	Authentication: Client Certificate O Authorization: None Accounting: None	nly	📑 ftd-vpn-engineer-grp		/1		
ftd-vpn-manager	Authentication: Client Certificate Or Authorization: None Accounting: None	nly	📑 ftd-vpn-manager-grp		/1		

Confirmer les profils de connexion ajoutés

+

Étape 12. Ajouter un mappage de certificat

Accédez à Objets > Gestion des objets > VPN > Carte de certificat, cliquez sur le bouton Ajouter une carte de certificat.

Firewall Managemen	t Center Overview	Analysis Policies	Devices Objects	Integration	Deploy Q	🖗 🌣 🔞 🛛 admin 🗸	cisco SECURE
> РКІ							
Policy List	Certificate Map				Add Certificate Map	<u>م</u>	
Port	Cartificate Man Object is use	d to provide an appointion	between a reaching contines	a and a Domete Access VDN connection profile If a received o	artificate matches the m	les contained in the contif	ieste man the
> Prefix List	connection is associated wit	h the specified connection p	profile.	e and a Remote Access VPR connection prometin a received o	erundate matories the ru	nes contained in the certai	icave map, une
Route Map							
Security Intelligence	Name					Value	
Sinkhole				No records to display			
SLA Monitor				No records to display			
Time Range							
Time Zone							
Tunnel Zone							
URL							
Variable Set							
VLAN Tag							
V VPN							
Certificate Map							
Custom Attribute							

Ajouter un mappage de certificat

Entrez les informations nécessaires pour le mappage de certificat du client VPN ingénieur et cliquez sur le bouton Save.

- Nom de la carte : cert-map-engineering
- Règle de mappage : CN (nom commun) équivaut à vpnEngineerClientCN

lap Name*:	
cert-map-engin	ngineer
cert-map-engin	ngineer

Mapping Rule

Add Rule

Configure the certificate matching rule

#	Field	Component	Operator	Value	
1	Subject	CN (Common Name)	Equals	vpnEngineerClie	/ 1

Cancel	Save

Mappage de certificat pour le client ingénieur

Entrez les informations nécessaires pour le mappage de certificat du client VPN du gestionnaire et cliquez sur le bouton Save.

- Nom de la carte : cert-map-manager
- Règle de mappage : CN (Common Name) équivaut à vpnManagerClientCN

0

Map Name*:	
cert-map-manager	
Mapping Bule	-
Configure the certificate r	matching rule

#	Field	Component	Operator	Value	
1	Subject	CN (Common Name)	Equals	vpnManagerClie	/ 1

	Cancel	Save
A company de contificat pour la client Manager		

Mappage de certificat pour le client Manager

Confirmez les nouveaux mappages de certificats ajoutés.

Firewall Manageme Objects / Object Manageme	t Center Overview Analysis Policies Devices Objects Integration Deploy Q 💰	admin 🗸 👘 SECURE
> PKI	Cartificate Map	0
Port	Certificate Map	
> Prefix List	Certificate Map Object is used to provide an association between a received certificate and a Remote Access VPN connection profile. If a received certificate matches the rule connection is associated with the specified connection profile.	es contained in the certificate map, the
Route Map		
> Security Intelligence	Name	Value
Sinkhole	cert-map-engineer	1 Criteria
SLA Monitor		
Time Range	cert-map-manager	1 Criteria

Nouveaux mappages de certificats

Étape 13. Lier le mappage de certificat au profil de connexion

Accédez à Devices > VPN > Remote Access, edit ftd-vpn-engineering. Ensuite, accédez à Advanced > Certificate Maps, cliquez sur Add Mapping button.

0



Lier une carte de certificat

Liaison du mappage de certificat au profil de connexion pour le client VPN ingénieur.

- Nom du mappage de certificat : cert-map-engineering
- Connexion Profile: ftd-vpn-engineer

Add Connection Profile to Certificate Map

Choose a Certificate Map and associate Connection Profiles to selected Certficate Map.



Mappage de certificat de liaison pour le client VPN ingénieur

Liaison du mappage de certificat au profil de connexion pour le client VPN du gestionnaire.

- Nom du mappage de certificat : cert-map-manager
- Profil de connexion : ftd-vpn-manager

Choose a Certificate Map and associate Connection Profiles to selected Certficate Map.



Confirmez le paramètre de liaison de certificat.

Firewall Managemen	nt Center Overview	Analysis Polie	cies Devices	Objects Integration	Deploy Q 💰	admin V cisco SECURE	
ftd-vpn-engineer	ftd-vpn-engineer You have unsaved changes Save Cancel						
Enter Description							
						Policy Assignments (1)	
					Local Realm: None	Dynamic Access Policy: None	
Connection Profile Access Inte	erfaces Advanced						
Secure Client Images Secure Client Customization GUI Text and Messages Icons and Images Scripts Binaries Custom Installer Transforms	General Settings for C The device processes the poli Use group URL if group Use the configured rule: Certificate to Connect Cilent request is checked agai be chosen.	Connection Profile cies in the order listed by URL and Certificate M s to match a certificate cion Profile Mappli inst each Certificate Map	Mapping elow until it finds a ma ap match different C to a Connection Pro ng n, associated Connecti	itch ronnection Profiles offie ion Profile will be used when rules are	e matched. If none of the Certificate Map is m	atched, default connection profile will Add Mapping	
Localized Installer Transforms	Certificate Map			Connection Profile			
Address Assignment Policy	cert-map-engineer			ftd-vpn-engineer		13	
Certificate Maps	out may ongrees			nu tpri originosi			
Group Policies	cert-map-manager			ftd-vpn-manager		/1	

Confirmer la liaison de certificat

Confirmer dans FTD CLI

Confirmez les paramètres de connexion VPN dans l'interface de ligne de commande du FTD après le déploiement à partir du FMC.

interface GigabitEthernet0/0 nameif outside security-level 0 ip address 192.168.1.200 255.255.255.0 // Defines a pool of addresses ip local pool ftd-vpn-engineer-pool 172.16.1.100-172.16.1.110 mask 255.255.255.0 ip local pool ftd-vpn-manager-pool 172.16.1.120-172.16.1.130 mask 255.255.255.0 // Defines Trustpoint for Server Certificate crypto ca trustpoint ftd-vpn-cert keypair ftd-vpn-cert crl configure // Server Certificate Chain crypto ca certificate chain ftd-vpn-cert certificate 22413df584b6726c 3082037c 30820264 a0030201 02020822 413df584 b6726c30 0d06092a 864886f7 quit certificate ca 5242a02e0db6f7fd 3082036c 30820254 a0030201 02020852 42a02e0d b6f7fd30 0d06092a 864886f7 quit // Defines Certificate Map for Engineer VPN Clients crypto ca certificate map cert-map-engineer 10 subject-name attr cn eq vpnEngineerClientCN // Defines Certificate Map for Manager VPN Clients crypto ca certificate map cert-map-manager 10 subject-name attr cn eq vpnManagerClientCN // Configures the FTD to allow Cisco Secure Client connections and the valid Cisco Secure Client images webvpn enable outside http-headers hsts-server enable max-age 31536000 include-sub-domains no preload hsts-client enable x-content-type-options x-xss-protection content-security-policy anyconnect image disk0:/csm/cisco-secure-client-win-5.1.3.62-webdeploy-k9.pkg 1 regex "Windows" anyconnect enable tunnel-group-list enable cache disable certificate-group-map cert-map-engineer 10 ftd-vpn-engineer certificate-group-map cert-map-manager 10 ftd-vpn-manager error-recovery disable // Configures the group-policy to allow SSL connections from manager VPN clients group-policy ftd-vpn-manager-grp internal group-policy ftd-vpn-manager-grp attributes banner none wins-server none

dns-server none dhcp-network-scope none vpn-simultaneous-logins 3 vpn-idle-timeout 30 vpn-idle-timeout alert-interval 1 vpn-session-timeout none vpn-session-timeout alert-interval 1 vpn-filter none vpn-tunnel-protocol ikev2 ssl-client split-tunnel-policy tunnelall ipv6-split-tunnel-policy tunnelall split-tunnel-network-list none default-domain none split-dns none split-tunnel-all-dns disable client-bypass-protocol disable vlan none address-pools none webvpn anyconnect ssl dtls enable anyconnect mtu 1406 anyconnect firewall-rule client-interface public none anyconnect firewall-rule client-interface private none anyconnect ssl keepalive 20 anyconnect ssl rekey time none anyconnect ssl rekey method none anyconnect dpd-interval client 30 anyconnect dpd-interval gateway 30 anyconnect ssl compression none anyconnect dtls compression none anyconnect modules value none anyconnect ask none default anyconnect anyconnect ssl df-bit-ignore disable // Configures the group-policy to allow SSL connections from engineer VPN clients group-policy ftd-vpn-engineer-grp internal group-policy ftd-vpn-engineer-grp attributes banner none wins-server none dns-server none dhcp-network-scope none vpn-simultaneous-logins 3 vpn-idle-timeout 30 vpn-idle-timeout alert-interval 1 vpn-session-timeout none vpn-session-timeout alert-interval 1 vpn-filter none vpn-tunnel-protocol ssl-client split-tunnel-policy tunnelall ipv6-split-tunnel-policy tunnelall split-tunnel-network-list none default-domain none split-dns none split-tunnel-all-dns disable client-bypass-protocol disable vlan none address-pools none webvpn anyconnect ssl dtls enable anyconnect mtu 1406 anyconnect firewall-rule client-interface public none anyconnect firewall-rule client-interface private none

```
anyconnect ssl keepalive 20
anyconnect ssl rekey time none
anyconnect ssl rekey method none
anyconnect dpd-interval client 30
anyconnect dpd-interval gateway 30
anyconnect ssl compression none
anyconnect dtls compression none
anyconnect modules value none
anyconnect ask none default anyconnect
anyconnect ssl df-bit-ignore disable
// Configures the tunnel-group to use the certificate authentication for engineer VPN clients
tunnel-group ftd-vpn-engineer type remote-access
tunnel-group ftd-vpn-engineer general-attributes
address-pool ftd-vpn-engineer-pool
default-group-policy ftd-vpn-engineer-grp
tunnel-group ftd-vpn-engineer webvpn-attributes
authentication certificate
group-alias ftd-vpn-engineer enable
// Configures the tunnel-group to use the certificate authentication for manager VPN clients
tunnel-group ftd-vpn-manager type remote-access
tunnel-group ftd-vpn-manager general-attributes
address-pool ftd-vpn-manager-pool
default-group-policy ftd-vpn-manager-grp
tunnel-group ftd-vpn-manager webvpn-attributes
```

Confirmer dans le client VPN

authentication certificate

Étape 1. Confirmer le certificat client

Dans Engineer VPN Client, accédez à Certificates - Current User > Personal > Certificates, vérifiez le certificat client utilisé pour l'authentification.

	Console1 - [Console Root\Certificates - Current User\Personal\Certificates]		-	σ	>	ζ
ł.	Eile Action View Favorites Window Help				- 8	×
	◆ ◆ 2 📷 🛍 @ 🕞 🛛 📷					
1	Console Root freued Te Console Root	Expiration Date Intended Purposes	Friendly Name	Action	15	_
	Q Certificates - Current User Series - Current User Serie	6/18/2025 Client Authentication	vpnEngineerClix	Certifi	cates	•
	Certificates	1		N	fore	۲
•	V 🔤 Trusted Koot Certification Authorities					

Confirmer le certificat du client VPN de l'ingénieur

Double-cliquez sur le certificat client, accédez à Détails, vérifiez les détails de Objet.

Objet : CN = vpnEngineerClientCN

Certificate	×
General Details Certification	Path
Show: <al></al>	\sim
Field Valid to Subject Public key parameters Rey Usage Enhanced Key Usage	Value Wednesday, June 18, 2025 5: vpnEngineerClientCN, vpnEngi RSA (2048 Bits) 05 00 Digital Signature, Key Encipher Client Authentication (1.3.6.1
Netscape Comment	xca certificate
CN = vpnEngineerClientCN O = Cisco L = Tokyo S = Tokyo C = JP	
	Edit Properties Copy to File
	OK

Détails du certificat du client ingénieur

Dans le client VPN du gestionnaire, accédez à Certificates - Current User > Personal > Certificates, vérifiez le certificat client utilisé pour l'authentification.



Confirmer le certificat pour le client VPN Manager

Double-cliquez sur le certificat client, accédez à Détails, vérifiez les détails de Objet.

• Objet : CN = vpnManagerClientCN

💼 Certificate

General	Details	Certification Pat	h	
Show:	<al></al>		\sim	
Field			Value	^
(C)		_	Thursday, June 19, 2025 9:41	
SU SU	bject		vpnManagerClientCN, vpnMan	
1211 PUR	anc ney		RSA (2048 Bits)	
E Put	blic key p	arameters	05 00	
Ke	y Usage		Digital Signature, Key Encipher	
(Eni	hanced Ki	ey Usage	Client Authentication (1.3.6.1	
Ne	tscape Co	omment	xca certificate	
The Party	mhorint	aloorithm	cha1	¥
CN = vi C = Cis L = Tok S = Tok C = JP	pnManag ico iyo iyo iyo	erClientCN		I
		E	dit Properties Copy to File	
			0	ĸ

х

Détails du certificat client du manager

Étape 2. Confirmer CA

Dans le client VPN ingénieur et le client VPN gestionnaire, accédez à Certificats - Utilisateur actuel > Autorités de certification racine de confiance > Certificats, vérifiez l'autorité de certification utilisée pour l'authentification.

• Émis par : ftd-ra-ca-common-name

🜇 Console1 - [Console Root\Certificates - Current User\Trusted Root Certification Authorities\Certificates]								
Eile Action View Favorites Window	Help					- 8 ×		
🗢 🔿 🙍 📷 🔏 🗞 🔀 🔂 🚺	1							
Console Root	Issued To	Issued By	Expiration Date	Intended Purposes	Friendly Nan ^	Actions		
Certificates - Current User	2 127.0.0.1	127.0.0.1	5/17/2027	Server Authenticati	duo-endpoir	Certificates 🔺		
Personal Personal	AAA Certificate Services	AAA Certificate Services	12/31/2028	Client Authenticati	Sectigo (AA/	More >		
Trusted Root Certification Authorities	Baltimore CyberTrust Root	Baltimore CyberTrust Root	5/12/2025	Client Authenticati	DigiCert Balt			
Certificates	Class 3 Public Primary Cer	Class 3 Public Primary Cer	8/1/2028	Client Authenticati	VeriSign Clas	ftd-ra-ca 🔺		
- councies	COMODO RSA Certificati	COMODO RSA Certificati	1/18/2038	Client Authenticati	Sectigo (forr	More >		
Intermediate Certification Authorities	Copyright (c) 1997 Micros	Copyright (c) 1997 Micros	12/30/1999	Time Stamping	Microsoft Til			
> Active Directory User Object	DESKTOP-VCKHRG1	DESKTOP-VCKHRG1	10/30/2022	Server Authenticati	www.infraey			
> Trusted Publishers	DigiCert Assured ID Root	DigiCert Assured ID Root	11/9/2031	<all></all>	<none></none>			
> 🛄 Untrusted Certificates	DigiCert Assured ID Root	DigiCert Assured ID Root	11/9/2031	Client Authenticati	DigiCert			
> 🧾 Third-Party Root Certification Authoriti	DigiCert Global Root CA	DigiCert Global Root CA	11/9/2031	Client Authenticati	DigiCert			
> iii Trusted People	DigiCert Global Root G2	DigiCert Global Root G2	1/15/2038	Client Authenticati	DigiCert Glol			
> Client Authentication Issuers	DigiCert High Assurance	DigiCert High Assurance	11/9/2031	<all></all>	<none></none>			
> Smart Card Trusted Roots	DigiCert High Assurance	DigiCert High Assurance	11/9/2031	Client Authenticati	DigiCert			
> 🐼 Certificates (Local Computer)	DigiCert Trusted Root G4	DigiCert Trusted Root G4	1/15/2038	Client Authenticati	DigiCert Tru:			
	CONT DUILOUND	DCT 0	9/30/2021	Client Authenticati	DST Root CA			
	🔤 ftd-ra-ca-common-name	ftd-ra-ca-common-name	/16/2029	<all></all>	<none></none>			
	cgroiobalaigh	orooanigit	3/18/2029	Client Authenticati	GlobalSign R			

Confirmer CA

Vérifier

Étape 1. Initiation de la connexion VPN

Dans Engineer VPN Client, initiez la connexion Cisco Secure Client. Pas besoin d'entrer le nom d'utilisateur et le mot de passe, le VPN s'est connecté avec succès.

S Cisco Secure Client					×
	AnyConnect VPN: Connected to 192, 168, 1, 200,			*	
Ŀø	192.168.1.200	~		Disconnect	
00:01:00				В	P∨4
\$ ①					-1 1-2 1- CISCO

Établir une connexion VPN à partir du client Engineer

Dans le client VPN du manager, lancez la connexion Cisco Secure Client. Pas besoin d'entrer le

nom d'utilisateur et le mot de passe, le VPN s'est connecté avec succès.

🕲 Cisco Secu		\times		
	AnyConnect VPN: Connected to 192.168.1.200. 192.168.1.200	~	Disconnect	
00:00:38			I	∿4
\$ ①				alada cisco

Initiation de la connexion VPN à partir du client Manager

Étape 2. Confirmer les sessions actives dans FMC

Accédez à Analysis > Users > Active Sessions, vérifiez l'authentification VPN pour la session active.

Firewall Management Center Overview Analysis Policies Devices Objects Integration Deploy Q 🍪 🌣 🕢 admin 🗸 the Sestions							SECURE			
Switch to legacy UI										
T 5	T Select X Refresh Log Out									
Showing all 2 sessions ±										
0	Login Time	Realm\Username	Last Seen	Authentication Type	<u>Current IP</u>	Realm	<u>Username</u> ↓	First Name	Last Nar	
	2024-06-19 11:01:19	Discovered Identities\vpnManagerClientCN	2024-06-19 11:01:19	VPN Authentication	172.16.1.120	Discovered Identities	vpnManagerClientCN			
	2024-06-19 11:00:35	Discovered Identities\vpnEngineerClientCN	2024-06-19 11:00:35	VPN Authentication	172.16.1.101	Discovered Identities	vpnEngineerClientCN			

Confirmer la session active

Étape 3. Confirmer les sessions VPN dans FTD CLI

Exécutezshow vpn-sessiondb detail anyconnect la commande dans l'interface de ligne de commande FTD (Lina) pour confirmer les sessions VPN de l'ingénieur et du gestionnaire.

ftd702# show vpn-sessiondb detail anyconnect

Session Type: AnyConnect Detailed

Username : vpnEngineerClientCN Index : 13 Assigned IP : 172.16.1.101 Public IP : 192.168.1.11 Protocol : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel License : AnyConnect Premium Encryption : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES-GCM-128 DTLS-Tunnel: (1)AES-GCM-256 Hashing : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA256 DTLS-Tunnel: (1)SHA384 Bytes Tx : 14782 Bytes Rx : 12714 Pkts Tx : 2 Pkts Rx : 32 Pkts Tx Drop : 0 Pkts Rx Drop : 0 Group Policy : ftd-vpn-engineer-grp Tunnel Group : ftd-vpn-engineer Login Time : 02:00:35 UTC Wed Jun 19 2024 Duration : 0h:00m:55s Inactivity : 0h:00m:00s VLAN Mapping : N/A VLAN : none Audt Sess ID : cb0071820000d00066723bc3 Security Grp : none Tunnel Zone : 0

AnyConnect-Parent Tunnels: 1 SSL-Tunnel Tunnels: 1 DTLS-Tunnel Tunnels: 1

AnyConnect-Parent: Tunnel ID : 13.1 Public IP : 192.168.1.11 Encryption : none Hashing : none TCP Src Port : 50225 TCP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes Client OS : win Client OS Ver: 10.0.15063 Client Type : AnyConnect Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx : 7391 Bytes Rx : 0 Pkts Tx : 1 Pkts Rx : 0 Pkts Tx Drop : 0 Pkts Rx Drop : 0

SSL-Tunnel: Tunnel ID : 13.2 Assigned IP : 172.16.1.101 Public IP : 192.168.1.11 Encryption : AES-GCM-128 Hashing : SHA256 Ciphersuite : TLS_AES_128_GCM_SHA256 Encapsulation: TLSv1.3 TCP Src Port : 50232 TCP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes Client OS : Windows Client Type : SSL VPN Client Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx : 7391 Bytes Rx : 1775 Pkts Tx : 1 Pkts Rx : 2 Pkts Tx Drop : 0 Pkts Rx Drop : 0

DTLS-Tunnel: Tunnel ID : 13.3 Assigned IP : 172.16.1.101 Public IP : 192.168.1.11 Encryption : AES-GCM-256 Hashing : SHA384 Ciphersuite : ECDHE-ECDSA-AES256-GCM-SHA384 Encapsulation: DTLSv1.2 UDP Src Port : 50825 UDP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes Client OS : Windows Client Type : DTLS VPN Client Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx : 0 Bytes Rx : 10939 Pkts Tx : 0 Pkts Rx : 30 Pkts Tx Drop : 0 Pkts Rx Drop : 0 Username : vpnManagerClientCN Index : 14 Assigned IP: 172.16.1.120 Public IP: 192.168.1.21 Protocol : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel License : AnyConnect Premium Encryption : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES-GCM-128 DTLS-Tunnel: (1)AES-GCM-256 Hashing : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA256 DTLS-Tunnel: (1)SHA384 Bytes Tx : 14782 Bytes Rx : 13521 Pkts Tx: 2 Pkts Rx: 57 Pkts Tx Drop: 0 Pkts Rx Drop: 0 Group Policy : ftd-vpn-manager-grp Tunnel Group : ftd-vpn-manager Login Time : 02:01:19 UTC Wed Jun 19 2024 Duration: 0h:00m:11s Inactivity : 0h:00m:00s VLAN Mapping : N/A VLAN : none Audt Sess ID : cb0071820000e00066723bef Security Grp: none Tunnel Zone: 0 AnyConnect-Parent Tunnels: 1 SSL-Tunnel Tunnels: 1 DTLS-Tunnel Tunnels: 1 AnyConnect-Parent: Tunnel ID: 14.1 Public IP : 192.168.1.21 Encryption : none Hashing : none TCP Src Port : 49809 TCP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes Client OS : win Client OS Ver: 10.0.15063 Client Type : AnyConnect Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx: 7391 Bytes Rx: 0 Pkts Tx: 1 Pkts Rx: 0 Pkts Tx Drop: 0 Pkts Rx Drop: 0 SSL-Tunnel: Tunnel ID: 14.2 Assigned IP: 172.16.1.120 Public IP: 192.168.1.21 Encryption : AES-GCM-128 Hashing : SHA256 Ciphersuite : TLS_AES_128_GCM_SHA256 Encapsulation: TLSv1.3 TCP Src Port : 49816 TCP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes Client OS : Windows Client Type : SSL VPN Client Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx: 7391 Bytes Rx: 3848 Pkts Tx: 1 Pkts Rx: 25 Pkts Tx Drop: 0 Pkts Rx Drop: 0 DTLS-Tunnel: Tunnel ID: 14.3

Assigned IP : 172.16.1.120 Public IP : 192.168.1.21 Encryption : AES-GCM-256 Hashing : SHA384 Ciphersuite : ECDHE-ECDSA-AES256-GCM-SHA384 Encapsulation: DTLSv1.2 UDP Src Port : 65501 UDP Dst Port : 443 Auth Mode : Certificate Idle Time Out: 30 Minutes Idle TO Left : 30 Minutes Client OS : Windows Client Type : DTLS VPN Client Client Ver : Cisco AnyConnect VPN Agent for Windows 5.1.3.62 Bytes Tx : 0 Bytes Rx : 9673 Pkts Tx : 0 Pkts Rx : 32 Pkts Tx Drop : 0 Pkts Rx Drop : 0

Dépannage

Vous pouvez vous attendre à trouver des informations sur l'authentification VPN dans le syslog de débogage du moteur Lina et dans le fichier DART sur le PC Windows.

Ceci est un exemple de journaux de débogage dans le moteur Lina pendant la connexion VPN du client ingénieur.

<#root>

Jun 19 2024 02:00:35: %FTD-7-717029: Identified client certificate within certificate chain. serial number: 7AF1C78ADCC8F941, subject name: CN=vpr Jun 19 2024 02:00:35: %FTD-6-717022:

Certificate was successfully validated

. serial number: 7AF1C78ADCC8F941, subject name:

CN=vpnEngineerClientCN

,OU=vpnEngineerClientOU,O=Cisco,L=Tokyo,ST=Tokyo,C=JP. Jun 19 2024 02:00:35: %FTD-7-717038: Tunnel group match found.

Tunnel Group: ftd-vpn-engineer

, Peer certificate: serial number: 7AF1C78ADCC8F941, subject name: CN=vpnEngineerClientCN,OU=vpnEnginee Jun 19 2024 02:00:35: %FTD-6-113009: AAA retrieved default group policy (ftd-vpn-engineer-grp) for user Jun 19 2024 02:00:46: %FTD-6-725002: Device completed SSL handshake with client outside:192.168.1.11/50

Ceci est un exemple de journaux de débogage dans le moteur Lina pendant la connexion VPN du client manager.

<#root>

Jun 19 2024 02:01:19: %FTD-7-717029: Identified client certificate within certificate chain. serial number: 1AD1B5EAE28C6D3C, subject name: CN=vp Jun 19 2024 02:01:19: %FTD-6-717022:

Certificate was successfully validated

. serial number: 1AD1B5EAE28C6D3C, subject name:

CN=vpnManagerClientCN

,OU=vpnManagerClientOU,O=Cisco,L=Tokyo,ST=Tokyo,C=JP. Jun 19 2024 02:01:19: %FTD-7-717038: Tunnel group match found.

Tunnel Group: ftd-vpn-manager

, Peer certificate: serial number: 1AD1B5EAE28C6D3C, subject name: CN=vpnManagerClientCN,OU=vpnManagerC Jun 19 2024 02:01:19: %FTD-6-113009: AAA retrieved default group policy (ftd-vpn-manager-grp) for user

Jun 19 2024 02:01:25: %FTD-6-725002: Device completed SSL handshake with client outside:192.168.1.21/65

Informations connexes

Configurer l'authentification basée sur certificat Anyconnect pour l'accès mobile

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