Configurar o mapeamento de certificados para autenticação de cliente seguro no FTD via FMC

Contents

Introdução
<u>Pré-requisitos</u>
Requisitos
Componentes Utilizados
Informações de Apoio
Diagrama de Rede
Configurações
Configuração no FMC
Etapa 1. Configurar a interface FTD
Etapa 2. Confirmar licença do Cisco Secure Client
Etapa 3. Adicionar Pool de Endereços IPv4
Etapa 4. Adicionar Política de Grupo
Etapa 5. Adicionar Certificado FTD
Etapa 6. Adicionar Atribuição de Política para Perfil de Conexão do Engenheiro
Passo 7. Configurar Detalhes do Perfil de Conexão do Engenheiro
Etapa 8. Configurar Imagem de Cliente Segura para Perfil de Conexão do Engenheiro
Etapa 9. Configurar acesso e certificado para o perfil de conexão do engenheiro
Etapa 10. Confirmar resumo do perfil de conexão do engenheiro
Etapa 11. Adicionar perfil de conexão para o Manager VPN Client
Etapa 12. Adicionar mapa de certificado
Etapa 13. Associar Mapa de Certificado ao Perfil de Conexão
Confirmar na CLI do FTD
Confirmar no cliente VPN
Etapa 1. Confirmar certificado do cliente
Etapa 2. Confirmar CA
Verificar
Etapa 1. Iniciar conexão VPN
Etapa 2. Confirmar sessões ativas no FMC
Etapa 3. Confirmar sessões VPN na CLI FTD
Troubleshooting
Informações Relacionadas

Introdução

Este documento descreve como configurar o Cisco Secure Client com SSL no FTD via FMC usando o mapeamento de certificado para autenticação.

Pré-requisitos

Requisitos

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Cisco Firepower Management Center (FMC)
- Firewall Threat Defense (FTD) Virtual
- Fluxo de autenticação de VPN

Componentes Utilizados

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

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Informações de Apoio

O mapeamento de certificado é um método usado em conexões VPN em que um certificado de cliente é mapeado para uma conta de usuário local, ou os atributos dentro do certificado são usados para fins de autorização. Esse é um processo em que um certificado digital é usado como meio de identificar um usuário ou dispositivo. Ao usar o mapeamento de certificado, ele aproveita o protocolo SSL para autenticar usuários sem a necessidade de inserir credenciais.

Este documento descreve como autenticar o Cisco Secure Client usando o nome comum de um certificado SSL.

Estes certificados contêm um nome comum, que é utilizado para efeitos de autorização.

- CA: ftd-ra-ca-common-name
- Certificado de cliente VPN do engenheiro: vpnEngineerClientCN
- Certificado de cliente VPN do gerenciador: vpnManagerClientCN
- Certificado do servidor: 192.168.1.200

Diagrama de Rede

Esta imagem mostra a topologia usada para o exemplo deste documento.



Diagrama de Rede

Configurações

Configuração no FMC

Etapa 1. Configurar a interface FTD

Navegue até Dispositivos > Gerenciamento de dispositivos, edite o dispositivo FTD de destino, configure a interface externa para FTD na guia Interfaces.

Para GigabitEthernet0/0,

- Nome: externo
- · Zona de segurança: outsideZone
- Endereço IP: 192.168.1.200/24

Firewall Management Center Devices / Secure Firewall Interfaces	Overview	Analysis	Policies	Devices	Objects	Integration			Dep	ploy Q	6	° 0	admin \sim	cisco S	ECURE
1.12340.49 Cisco Firepower Threat Defense for VMware Device Routing Interfaces Inline Sets DHCP VTEP															
All Interfaces Virtual Tunnels								Q, Set	arch by name			Sync [Device	Add Interfa	aces ¥
Interface	Logical Name	Туре	Security	Zones	MAC Add	ress (Active/Standby)	IP Add	ress		Path M	Monitoring	y Vi	rtual Router		
Management0/0	management	Physical								Disabl	ed	GI	obal		< -:
GigabitEthernet0/0	outside	Physical	outsideZ	one			192.16	8.1.200/24(Static)		Disabl	ed	GI	ledo		/

Interface FTD

Etapa 2. Confirmar licença do Cisco Secure Client

Navegue até Dispositivos > Gerenciamento de dispositivos, edite o dispositivo FTD de destino, confirme a licença do Cisco Secure Client na guia Dispositivo.

Firewall Management Center Devices / Secure Firewall Device Summary	Overview Analys	sis Policies Devices	Objects Integration		Deploy	९ 🗳 🌣 🛛	admin ~ dua	SECURE
1.249 Cisco Firepower Threat Defense for VMware		License		0				
Device Routing Interfaces Inline	Sets DHCP VTEP	License Types Performance Tier:	FTDv5 - 100 Mbps	•				
General	11	Essentials:		m			0	G
Name: Transfer Packets:	1. 	Export-Controlled Features:		1	Cis	sco Firepower Threat D	efense for VMwar 9A33F35ANS	re SU
Troubleshoot:	Logs CLI Download	Malware Defense:				202	24-06-14 07:38:4	\$7
Mode:	Route	IPS:		Zon	10:		UTC (UTC+0:00	0)
Compliance Mode:	None	Carrier:		n:			7.4,	.1
Performance Profile:	Defaul	URL:		Zon	ne setting for		UTC (UTC+0:00	0)
TLS Crypto Acceleration:	Disable	Secure Client Premier:		70.54	ico Ruica.			
		Secure Client Advantage:						
Device Configuration:	Import Export Download	Secure Client VPN Only:						
OnBoarding Method:	Registration Ke	If a device already has Secure Client VPI Secure Client Premier or Secure Client A	N Only they cannot have dvantage. If a device					
Inspection Engine		has Secure Client Premier or Secure Clie have Secure Client VPN Only	int Advantage It cannot	ge	ement		/=	
Inspection Engine:	Snort			Cancel Save	Host Address:		1.1550.4	49
Revert to Snort 2				dar	ry Address:			

Licença de cliente seguro

Etapa 3. Adicionar Pool de Endereços IPv4

Navegue atéObject > Object Management > Address Pools > IPv4 Pools, clique no botão 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			

Adicionar Pool de Endereços IPv4

Insira as informações necessárias para criar um pool de endereços IPv4 para o cliente VPN do engenheiro.

- Nome: ftd-vpn-engineering-pool
- Intervalo de endereços IPv4: 172.16.1.100-172.16.1.110
- Máscara: 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

Pool de Endereços IPv4 para o VPN Client do Engenheiro

Insira as informações necessárias para criar um pool de endereços IPv4 para o cliente VPN do gerenciador.

- Nome: ftd-vpn-manager-pool
- Intervalo de endereços IPv4: 172.16.1.120-172.16.1.130
- Máscara: 255.255.255.0

3

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.Q	
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 de Endereços IPv4 para o Cliente VPN do Gerenciador	
Confirme os novos pools de endereços IPv4.	
Firewall Management Center Objects / Objects / Objects / Integration	Deploy Q 🧬 🌣 🚱 admin 🗸 🕬 SECURE

Objects / Object Manager	ment						
> AAA Server	Î	IPv4 Pools		Add IPv4 Pools	Q, Filter		
> 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		And uses an electric second		170 10 1 100 170 10 1 110			
AS Path		na-vpn-engineer-pool		172.16.1.100-172.16.1.110		0	/ u
BFD Template		ftd-vpn-manager-pool		172.16.1.120-172.16.1.130		0	11
Cipher Suite List							



Etapa 4. Adicionar Política de Grupo

Navegue atéObject > Object Management > VPN > Group Policy, clique em Add Group Policy.

0

Firewall Management Objects / Object Management	Center Overview	Analysis Policies	Devices Object	Integration	Deploy Q	🚱 🌣 🞯 adm	in ~ diala SECURE
> PKI A	Group Policy				Add Group Pol	Q Filter	
> Prefix List Route Map	A Group Policy is a set of att current connection profile.	ribute and value pairs, sto	red in a group policy object	t, that define the remote access VPN exp	erience.The RADIUS authorization server assign	is the group policy or it	is obtained from the
Security Intelligence Sinkhole	Name						
SLA Monitor	DfltGrpPolicy						Zī
Time Range Time Zone							
Tunnel Zone URL							
Variable Set							
V VPN							
Certificate Map Custom Attribute							
Group Policy							

Adicionar Política de Grupo

Insira as informações necessárias para criar uma política de grupo para o cliente VPN do engenheiro.

- Nome: ftd-vpn-engineering-grp
- Protocolos VPN: SSL

Add Group Policy	0	
Name:* ftd-vpn-engineer-gr	P	
Description:		
Constal Speure	Client Advanced	
General Secure	Glient Advanced	
VPN Protocols IP Address Pools	VPN Tunnel Protocol: Specify the VPN tunnel types that user can use. At least one tunneling mode	
Banner	SSL	
DNS/WINS	IPsec-IKEv2	
Split Tunneling		

Política de Grupo para o VPN Client do Engenheiro

Insira as informações necessárias para criar uma política de grupo para o cliente VPN do gerenciador.

- Nome: ftd-vpn-manager-grp
- Protocolos VPN: SSL

Add Group Policy

Name:* ftd-vpn-manager-g	np g
Description:	
General Secure	Client Advanced
VPN Protocols	VPN Tunnel Protocol:
IP Address Pools	must be configured for users to connect over a VPN tunnel.
Banner	SSL SSL
DNS/WINS	IPsec-IKEv2
Split Tunneling	
olítica de Grupo para o Client	e VPN do Gerente

Confirme as novas diretivas de grupo.

Firewall Manageme Objects / Object Manageme	nt Center o	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	۹	¢	¢ 0	admin \sim	cisco SECURE
> РКІ													
Policy List	Group Poli	icy						Add G	roup Po	licy	Q Filte	r	
Port													
> Prefix List	A Group Policy is current connection	a set of attri	bute and value	e pairs, stored	in a group po	blicy object, th	at define the remote access VPN experience. The RADIUS authoriza	ition serve	er assig	ns the g	roup po	licy or it is ob	tained from the
Route Map	current connectio	an prome.											
> Security Intelligence	Name												
Sinkhole	DftGroPolicy												12
SLA Monitor	Unitariar unity												· · ·
Time Range	ftd-vpn-engineer	-grp											/1
Time Zone	ftd-vpn-manager	r-grp											11
Tunnel Zone													

Novas políticas de grupo

Etapa 5. Adicionar Certificado FTD

Navegue atéObject > Object Management > PKI > Cert Enrollment, clique no botão Add Cert Enrollment.

0



Adicionar Registro de Certificado

Insira as informações necessárias para o certificado FTD e importe um arquivo PKCS12 do computador local.

- Nome: ftd-vpn-cert
- Tipo de inscrição: PKCS12 File

Add Cert Enrollment

Name* ftd-vpn-cert
Description
This certificate is already enrolled on devices.Remove the enrolment from
Device>Certificate page to edit/delete this Certificate.
CA Information Certificate Parameters Key Revocation
Enrollment Type: PKCS12 File 🔻
PKCS12 File*: ftdCert.pfx Browse PKCS12 File
Passphrase*:
Validation Usage: 🗹 IPsec Client 🗹 SSL Client 🗌 SSL Server
Skip Check for CA flag in basic constraints of the CA Certificate
Cancel Save
Detalhes da Inscrição de Certificado

Confirme a inscrição do novo certificado.

Firewall Manageme	nt Center Overview	Analysis Po	licies Devices	Objects	Integration		Deploy	Q 🚱	° 0	admin \sim	cisco SECURE
Cipher Suite List	0.15										
> Community List	Cert Enrollment	Add Cert Enrollment									
DHCP IPv6 Pool	A certificate enrollment obje	act contains the Certi	fication Authority (CA)	server informs	tion and enrollment parameters that an	re required for creating Certi	ificate Signing	Request	e (CSRe) a	nd obtaining	Identity
> Distinguished Name	Certificates from the specifi	ed CA. These activiti	es occur in your Privat	e Key Infrastru	cture (PKI).	re required for creating octa	moure organing	Trequest	3 (0013) 6	na ootaining	lacing
DNS Server Group											
> External Attributes	Name							Туре		Override	
File List	ftd-vpn-cert							PKCS	12 File		11
> FlexConfig											

Nova inscrição de certificado

Navegue até Dispositivos > Certificados, clique no botão Adicionar.

0

Firewall Managemer	nt Center o	verview	Analysis	Policies	Devices	Objects	Integration		Deploy	Q	¢	¢ 0	admin \vee	cisco SECURE
Filter All Certificates	•													Add
Name	Domain	Enrollment Ty	rpe	Identity Certific	ate Expiry		CA Certificate Expiry	Status						
						No certificates	Add Certificates							^

Adicionar Certificado FTD

Insira as informações necessárias para associar o novo registro de certificado ao FTD.

- Dispositivo: 1.x.x.49
- Registro de certificado: 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*:	Ŧ	
Cert Enrollment*: ftd-vpn-cert	*	+

Cert Enrollment Details:

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



Vincular certificado ao FTD

Confirme o status da associação de certificado.

Ę	Firewall Manageme Devices / Certificates	nt Center	Overview	Analysis	Policies	Devices	Objects	Integration		Deploy	Q	¢	¢ 0	ad	nin ~	diada SEC	URE
Filt	er All Certificates	¥														Add	ľ
	Name	Domain	Enrollment Ty	уре	Identity Certificat	e Expiry		CA Certificate Expiry	Status								Т
ſ	√ 🚥 1.5.3 J.J.49														-		^
	ftd-vpn-cert	Global	PKCS12 file		Jun 16, 2025			Jun 16, 2029	CA D						± ₽ C	Ì	

Status da Associação de Certificado

Etapa 6. Adicionar Atribuição de Política para Perfil de Conexão do Engenheiro

Navegue até Dispositivos > VPN > Acesso remoto e clique no botão Adicionar.

Firewall Management Center Devices / VPN / Remote Access	Analysis Polic	icies Devices Objects Integration		Deploy (९ 🕼 🌣 🙆	admin \sim	essee SECURE
							Add
Name	s	Status	Last Modified				
		No configuration available Add a new configuration	juration				

Adicionar VPN de acesso remoto

Insira as informações necessárias e clique no botão Avançar.

- Nome: ftd-vpn-engineering
- Protocolos VPN: SSL
- Dispositivos de destino: 1.x.x.49

Firewall Management Center Overview Analysis Policies Devices Objects Integration	Deploy Q 💕 🌣 🔕 admin V 🖏
Permote Access VPN Policy Wizard Policy Assignment • Connection Profile • Secure Client • Access & Certificate • Summa	iry
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:* Image: I	 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 Maks ure you have Secure Client package for VPN Client downloaded or you have the relevant Cisco cardentials to download th 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.
	Cancel Back Next

Atribuição de política

Passo 7. Configurar Detalhes do Perfil de Conexão do Engenheiro

Insira as informações necessárias e clique no botão Avançar.

- Método de Autenticação: Somente Certificado do Cliente
- · Nome de usuário do certificado: Mapear campo específico
- · Campo Primário: CN (Nome Comum)
- · Campo Secundário: OU (Unidade Organizacional)
- Pools de Endereços IPv4: ftd-vpn-engineering-pool
- Política de Grupo: ftd-vpn-engineering-grp

Firewall Management Center Devices / VPN / Setup Wizard	Analysis Policies Devices Objects Integration	Deploy	۹	6	> 0	admin \sim	esco SECURE
Remote Access VPN Policy Wizard							
Policy Assignment Onnection 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.						
	Connection Promie Name," Itd-vpn-engineer						
	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 Map specific field Use entire DN (Distinguished Name) as username Certificate:						
	Primary Field: CN (Common Name)						
	Secondary Field: OU (Organisational Unit)						
	Authorization Server: (Realm or RADIUS) +						
	Accounting Server: (RADRUS) +						
	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						
	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			_	_		
					Cancel	Back	Next

Detalhes do Perfil de Conexão

Etapa 8. Configurar Imagem de Cliente Segura para Perfil de Conexão do Engenheiro

Selecione secure client image file e clique no botão Next.

Firewall Management Center Devices / VPN / Setup Wizard	view Analysis Policies Devices Objects Integration		Deploy Q	6 🌣	admin \checkmark	cisco SECURE
Remote Access VPN Policy Wizar						
1 Policy Assignment 2 Connection Profile	3 Secure Client 4 Access & Certificate	5 Summary				
	Remote User Secure Client Internet Outs	de VPN Inside Corporate Device Resources				
	Secure Client Image	AAA				
	The VPN gateway can automatically download the latest Secure Client p	ackage to the client device when the VPN				
	Download Secure Client packages from Cisco Software Download Center,	priate 05 foi ule selecteu package.				
		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-v	windows 👻				
<						
				Cancel	Back	Next

Etapa 9. Configurar acesso e certificado para o perfil de conexão do engenheiro

Selecione o valor para os itens Grupo de interface/Zona de segurança e Registro de certificado, clique no botão Avançar.

- · Grupo de interface/Zona de segurança: outsideZone
- · Inscrição de certificado: ftd-vpn-cert

Firewall Management Center Overview	Analysis Policies Devices Objects Integration	Deploy Q 💕 🌣 🕢 admin 🗸 store SECURE
Remote Access VPN Policy Wizard 1 Policy Assignment 2 Connection Profile	3) Secure Client — (3) Access & Certificate — (5) Summary	
	AAA 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 + C Enable DTLS on member Interfaces 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:* ttd-vpn-cert Access Control for VPN Traffic	
٢	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.	Cancel Back Next

Detalhes de acesso e certificado

Etapa 10. Confirmar resumo do perfil de conexão do engenheiro

Confirme as informações inseridas para a política de VPN de acesso remoto e clique no botão Finish.



Etapa 11. Adicionar perfil de conexão para o Manager VPN Client

Navegue até Devices > VPN > Remote Access > Connection Profile, clique no botão +.

Firewall Management Center Overview Devices / VPN / Edit Connection Profile Overview	Analysis Policies Devices Objects Integration	Deploy Q 💕 🔅	admin ~ dudu 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	Authenization: None Authorization: None Accounting: None	DfltGrpPolicy	/1
ftd-vpn-engineer	Authentication: Client Certificate Only Authorization: None Accounting: None	E ftd-vpn-engineer-grp	/1

Adicionar perfil de conexão para o Manager VPN Client

Insira as informações necessárias para o perfil de conexão e clique no botão Save.

- Nome: ftd-vpn-manager
- Política de Grupo: ftd-vpn-manager-grp
- Pools de Endereços 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 Image: Cancel Save Save

Detalhes do perfil de conexão para o Manager VPN Client

Confirme os novos perfis de conexão adicionados.

Firewall Management Center Devices / VPN / Edit Connection Profile	Analysis Policies Devices	Objects Integration		Deploy Q 🚱 🌣 🞯 admin ~	cisco SECURE
ftd-vpn-engineer				You have unsaved changes	Save Cancel
Enter Description Connection Profile Access Interfaces Advanced			Lo	Political Realm: None Dynamic A	cv Assignments (1) ccess Policy: None
					+
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
ftd-vpn-manager	Authentication: Client Certificate Only Authorization: None Accounting: None		R ftd-vpn-manager-grp		/1

Confirmar perfis de conexão adicionados

+

Etapa 12. Adicionar mapa de certificado

Navegue até Objetos > Gerenciamento de objetos > VPN > Mapa de certificados, clique no botão Adicionar mapa de certificados.

Firewall Management Objects / Object Management	Center Overview	Analysis	Policies	Devices	Objects	Integration	Deploy C	¢	¢ 0	admin \lor	enco SECURE
> РКІ	o								1.		
Policy List	Certificate Map						Add Certificate	Мар	۹		
Port	Certificate Man Object is use	d to provide an	association h	etween a re	ceived certificat	e and a Remote Access VPN connection profile If a received c	ertificate matches t	se rules	contained i	n the certific	ate man the
> Prefix List	connection is associated with	the specified of	connection pre	ofile.		e una a remote recesa en recomectori prometi a recorrea e		ie raies	Conteniou i	in the certain	are map, are
Route Map											
Security Intelligence	Name							v	alue		
Sinkhole						No records to display					
SLA Monitor						No records to display					
Time Range											
Time Zone											
Tunnel Zone											
URL											
Variable Set											
VLAN Tag											
~ VPN											
Certificate Map											
Custom Attribute											

Adicionar mapa de certificado

Insira as informações necessárias para o mapa do certificado do cliente VPN do engenheiro e clique no botão Save.

- Nome do mapa: cert-map-engineering
- Regra de Mapeamento: CN (Nome Comum) Igual a vpnEngineerClientCN

Map Name*:
cert-map-engineer

Mapping Rule

Add Rule

Configure the certificate matching rule

#	Field	Component	Operator	Value	
1	Subject	CN (Common Name)	Equals	vpnEngineerClie	11

Cancel	Save	

Mapa do certificado para o cliente do engenheiro

Insira as informações necessárias para o mapa de certificado do cliente VPN do gerenciador e clique no botão Save.

- Nome do mapa: cert-map-manager
- Regra de Mapeamento: CN (Nome Comum) Igual a vpnManagerClientCN

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

	Cancel	Save
Mana da Cartificada para Cliante da Goranciador		

Mapa de Certificado para Cliente do Gerenciador

Confirme os novos mapas de certificados adicionados.

Firewall Managemen	t Center Overview Analysis Policies Devices Objects Integration Deploy Q 💰	admin 🗸	cisco SECURE
> ркі			
Policy List	Certificate Map Add Certificate Map	Q	
Port			
> 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 certific	ate map, the
Route Map			
> Security Intelligence	Name	Value	
Sinkhole	ant-man-sealasar	1 Oritoria	4.7
SLA Monitor	Cert-map-engineer	i Griteria	/*
Time Range	cert-map-manager	1 Criteria	11
· · · · · · · · · · · · · · · · · · ·			

Novos Mapas de Certificados

Etapa 13. Associar Mapa de Certificado ao Perfil de Conexão

Navegue até Devices > VPN > Remote Access, edite ftd-vpn-engineering. Em seguida, navegue até Avançado > Mapas de certificados, clique no botão Adicionar mapeamento.

0



Associar Mapa de Certificado

Associando mapa de certificado ao perfil de conexão do cliente VPN do engenheiro.

- · Nome do mapa do certificado: cert-map-engineering
- · Conexão Profile: ftd-vpn-engineer

Add Connection Profile to Certificate Map

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



Mapa do certificado de vinculação para o cliente VPN do engenheiro

Associando mapa de certificado ao perfil de conexão do cliente VPN do gerenciador.

- · Nome do mapa do certificado: cert-map-manager
- · Perfil de conexão: ftd-vpn-manager

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



Confirme a configuração da associação de certificado.

Firewall Managemen Devices / VPN / Edit Advance	t Center Overview Analysis Policies Device	es Objects Integration	Deploy Q 🧬 🌣 🕢 admin 🗸 👘 SECURE				
ftd-vpn-engineer			You have unsaved changes Save Cancel				
Enter Description							
			Policy Assignments (1)				
			Local Realm: None Dynamic Access Policy: None				
Connection Profile Access Inter	faces Advanced						
Secure Client Images	General Settings for Connection Profile Mapping		î.				
✓ Secure Client Customization	The device processes the policies in the order listed below until it finds	a match					
GUI Text and Messages	Use group URL if group URL and Certificate Map match differe	Int Connection Profiles					
Icons and Images	Use the configured rules to match a certificate to a Connection Profile						
Scripts	Certificate to Connection Profile Mapping Client request is checked against each Certificate Map, associated Con	nection Profile will be used when rules are matched. If none	of the Certificate Map is matched, default connection profile will				
Binaries	be chosen.						
Custom Installer Transforms			Add Mapping				
Localized Installer Transform:	Certificate Map	Connection Profile					
Address Assignment Policy							
Certificate Maps	cert-map-engineer	ftd-vpn-engineer	/=				
Group Policies	cert-map-manager	ftd-vpn-manager	/i				

Confirmar Associação de Certificado

Confirmar na CLI do FTD

Confirme as configurações de conexão VPN na CLI do FTD após a implantação do FMC.

```
// Defines IP of interface
interface GigabitEthernet0/0
```

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
authentication certificate
```

Confirmar no cliente VPN

Etapa 1. Confirmar certificado do cliente

No cliente VPN do engenheiro, navegue paraCertificates - Current User > Personal > Certificates, verifique o certificado do cliente usado para autenticação.



Confirmar certificado para cliente VPN do engenheiro

Clique duas vezes no certificado do cliente, navegue paraDetails, verifique os detalhes deSubject.

Assunto: CN = vpnEngineerClientCN

Certificate	×
General Details Certification	Path
Show: <al></al>	\sim
Field Subject Public key parameters Key Usage Enhanced Key Usage Netscape Comment	Value Wednesday, June 18, 2025 5: VpnEngineerClientCN, vpnEngi RSA (2048 Bits) 05 00 Digital Signature, Key Encipher Client Authentication (1.3.6.1 xca certificate
Thumborint algorithm	cha1 V
CN = vpnEngineerClientCN O = Cisco L = Tokyo S = Tokyo C = JP	
	Edit Properties Copy to File
	OK

Detalhes do certificado de cliente do engenheiro

No cliente VPN do gerenciador, navegue paraCertificates - Current User > Personal > Certificates, verifique o certificado do cliente usado para autenticação.



Confirmar Certificado para Cliente VPN do Manager

Clique duas vezes no certificado do cliente, navegue paraDetails, verifique os detalhes deSubject.

• Assunto: CN = vpnManagerClientCN

💼 Certificate

General	Details	Certification Pat	h	
Show:	<al></al>		\sim	
Field			Value	^
(C)		_	Thursday, June 19, 2025 9:41	
Su	bject		vpnManagerClientCN, vpnMan	
Call Prop	JUC KEY		RSA (2048 Bits)	
- E Put	blic key p	arameters	05 00	
Ke	y Usage		Digital Signature, Key Encipher	
Eni Eni	hanced Ki	ey Usage	Client Authentication (1.3.6.1	
- Ne	tscape Co	omment	xca certificate	
C The	mborint	alcorithm	sha1	¥
O = Cis L = Tok S = Tok C = JP	ico tyo tyo	erclientun		I
		E	dit Properties Copy to File.	
			C	ж

х

Detalhes do Certificado de Cliente do Gerenciador

Etapa 2. Confirmar CA

No cliente VPN do engenheiro e no cliente VPN do gerente, navegue paraCertificates - Current User > Trusted Root Certification Authorities > Certificates, verifique a CA usada para autenticação.

• Emitido por: ftd-ra-ca-common-name

🚡 Console1 - [Console Root\Certificates - Current User\Trusted Root Certification Authorities\Certificates]								
Eile Action View Favorites Window	Help					- 6	9 ×	
🗢 🔿 🙍 📷 🔏 🗞 🗶 🗟 🛃								
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		
V Personal	AAA Certificate Services	AAA Certificate Services	12/31/2028	Client Authenticati	Sectigo (AA/	More		
v 🧮 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	-	
Certainer	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	2 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			
> 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:			
	CONTRACTOR NO.	DOT DULL CALVO	9/30/2021	Client Authenticati	DST Root CA			
	🙀 ftd-ra-ca-common-name	ftd-ra-ca-common-name	/16/2029	<all></all>	<none></none>			
		orooanign	3/18/2029	Client Authenticati	GlobalSign R			

Confirmar CA

Verificar

Etapa 1. Iniciar conexão VPN

No cliente VPN do engenheiro, inicie a conexão do Cisco Secure Client. Não há necessidade de inserir o nome de usuário e a senha, a VPN se conectou com êxito.

S Cisco Secure Client					\times
	AnyConnect VPN: Connected to 192.168.1.200.				
	192.168.1.200	~		Disconnect	
00:01:00				IP	∿4
\$ ①					-=[1-=]1- CISCO

Iniciar conexão VPN do cliente do engenheiro

No cliente VPN do gerenciador, inicie a conexão do Cisco Secure Client. Não há necessidade de

inserir o nome de usuário e a senha, a VPN se conectou com êxito.

Cisco Secur	 2		\times		
	AnyConnect VPN: Connected to 192.168.1.200. 192.168.1.200	~		Disconnect	
00:00:38				IP	V4
\$ ①			<u> </u>		-ih-ih- cisco

Iniciar conexão VPN a partir do cliente gerenciador

Etapa 2. Confirmar sessões ativas no FMC

Navegue até Analysis > Users > Ative Sessions, verifique a sessão ativa quanto à autenticação de VPN.

Firewall Management Center Overview Analysis Policies Devices Objects Integration Deploy Q						v q 🗳 🌣 Ø	admin ~ da	SECURE		
Switch to legacy UI										
▼ 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			

Confirmar sessão ativa

Etapa 3. Confirmar sessões VPN na CLI FTD

Execute show vpn-sessiondb detail anyconnect o comando na CLI do FTD (Lina) para confirmar as sessões de VPN do engenheiro e do gerente.

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

Troubleshooting

Você pode esperar encontrar informações sobre a autenticação VPN no syslog de depuração do mecanismo Lina e no arquivo DART no PC com Windows.

Este é um exemplo de logs de depuração no mecanismo Lina durante a conexão VPN do cliente do engenheiro.

<#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

Este é um exemplo de logs de depuração no mecanismo Lina durante a conexão VPN do cliente gerenciador.

<#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

Informações Relacionadas

Configurar Autenticação Baseada em Certificado do Anyconnect para Acesso Móvel

Sobre esta tradução

A Cisco traduziu este documento com a ajuda de tecnologias de tradução automática e humana para oferecer conteúdo de suporte aos seus usuários no seu próprio idioma, independentemente da localização.

Observe que mesmo a melhor tradução automática não será tão precisa quanto as realizadas por um tradutor profissional.

A Cisco Systems, Inc. não se responsabiliza pela precisão destas traduções e recomenda que o documento original em inglês (link fornecido) seja sempre consultado.