لمعتسي ةرادإ ةملك تلكش RA VPN لمعتسي جراد اللامي FTD يلع FMC

تايوتحملا

<u>ةمدقملا</u> <u>قيساسألا تابلطتملا</u> <u>تابلطتملا</u> <u>ةمدختسملا تانوكملا</u> <u>نى وكتلا</u> <u>ويرانيس الوقك بش ال يطيطختا امسراا</u> <u>قعومچملل DN و يساسألI LDAP DN ديدجت</u> <u>LDAP ل SSL ةداەش رذج خسن</u> <u>(يرايتخا) LDAPs مداخ يل ع "يال حمل ا زامجل ا نزخم" يف قتب ثم قددعتم تاداهش دوجو قل اح يف</u> FMC تانىوكت <u>صيخرتاا نم ققحتاا</u> <u>دادعالا ملاع</u> رورملا ةملك قرادال AnyConnect نيوكت ر ش ن ل ا ىئاەنلا بىترتلا <u>AAA نيوكت</u> AnyConnect ن<u>يوكت</u> <u>ققحتاا</u> <u>مدختسمل الااصتال روزمل اقملك قرادا قيلمع نم ققحتل او AnyConnect بالاستال ا</u> <u>امحالصاو ءاطخألا فاشكتسا</u> ءاطخألا حيحصت <u>ةلماعلا رورملا ةملك ةرادا ءاطخا حيحصت تايلمع</u> <u>رورملا ةملك ةرادا ءانثأ اهتفداصم تمت يتلا قعىاشلا ءاطخألاا</u>

ةمدقملا

نيذلا AnyConnect ءالمعل LDAPs مادختساب رورملا ةملك ةرادإ نيوكت دنتسملا اذه فصي ب نولصتي Cisco Firepower Threat Defense (FTD).

ةيساسألا تابلطتملا

تابلطتملا

:ةيلاتلا عيضاوملاب ةيساساً ةفرعم كيدل نوكت نأب Cisco يصوت

• (ةيرەاظلا ةصاخلا دعب نع لوصولا ةكبش) RA VPN قكبش نيوكتب ةيساسا ةفرعم ىلع FMC

- FMC ىلع LDAP مداخ نيوكتب ةيساسأ ةفرعم •
- Active Directory بةيساساً ةفرعم

ةمدختسملا تانوكملا

ةيلاتلا ةيداملا تانوكملاو جماربلا تارادصإ ىلإ دنتسملا اذه يف ةدراولا تامولعملا دنتست

- مداخ Microsoft 2012 R2
- - FMCv 7.3.0 ليغشت
- FTDv 7.3.0 ليغَشَت

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجألاا نم دنتسملا اذه يف ةدراولا تامولعملا ءاشنإ مت. تناك اذإ .(يضارتفا) حوسمم نيوكتب دنتسملا اذه يف ةمدختسُملا ةزهجألا عيمج تأدب رمأ يأل لمتحملا ريثأتلل كمهف نم دكأتف ،ليغشتلا ديق كتكبش.

نيوكتلا

ويرانيسلاو ةكبشلل يطيطختلا مسرلا



رورم ةملك ةرادإ ةيلمع رابتخال ADCS و ADD مادختساب اقبسم Windows مداخ نيوكت مت .هذه نيمدختسملا تاباسح ءاشنإ متي ،اذه نيوكتلا ليلد يف .مدختسملا

:نيمدختسملا تاباسح

- مداخب طابترالاب FTD ل حامسلل ليلد باسحك باسحلا اذه مادختسإ متي :لوؤسملا Active Directory.
- admin: مدختسملا ةيوه راهظإل مدختسي رابتخإ لوؤسم باسح.

ةعومجملل DN و يساسألI LDAP DN ديدحت

1. مداخلا قرادإ تامولعم ةحول لالخ نم Active Directory Users and Computers حتف.

Server Ma	anager • Dashboard		-	(2) Manage Tools View Help Artists Directors Administration Center
I Local Server I Local Server AD CS I AD DS A AD FS E DNS I File and Storage Services NAP	WELCOME TO SERVER MANAGER OUICK START OUICK START OUICK START OUICK START OUICK START OUICK START C Add Add Add Add C rea LEARN MORE ROLES AND SERVER GROUPS	Active Directory Administrative Center Active Directory Module for Windows PowerShell Active Directory Stess and Services Active Directory Users and Computers ACTIVE Directory Users and Computers AD FS Management ADSI faid Certification Authority Component Services Computer Management Defragment and Optimize Drives DNS Event Viewer Group Policy Management Health Registration Authority Internet Information Services (IIS) Manager ISCSI Initiator Local Security Policy		
	Roles: 7 Server groups: 1 Servers total: 1 AD CS 1 Manageability Events Services Performance BPA results	Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability Image ability I	DNS 1 Image ability Image ability Image ability Image ability </th <th>Network Policy Server ODBC Data Sources (32-bit) ODBC Data Sources (34-bit) Performance Monitor Resource Monitor Security Configuration Wizard Services System Information Task Scheduler Windows Firenall with Advanced Security Windows Memory Diagnostic Windows Versel Stell</th>	Network Policy Server ODBC Data Sources (32-bit) ODBC Data Sources (34-bit) Performance Monitor Resource Monitor Security Configuration Wizard Services System Information Task Scheduler Windows Firenall with Advanced Security Windows Memory Diagnostic Windows Versel Stell
	IIS 1 ① Manageability Events Services Performance BPA results	Image ability Image ability Events Events Services Performance BPA results BPA results	All Servers 1 All Servers 1 O Manageability Events Services Performance BPA results	Windows PowerShell (486) Windows PowerShell ISE Windows PowerShell ISE (466) Windows Server Backup Activate Windows to to Action Center to activate Windows.

ةروصلا يف حضوم وه امك ،Advanced Features ةحاتإب مقو ،ىلعألا يف ةحوللا View Option حتفا



AD. تانىئاك تحت ةيفاضإلا صىئاصخلا ضرع كلذ حيتي

•

مث ،razor.local قوف نميألا سواملا رزب رقنا ،razor.local رذجلاب ةصاخلا DN ةكبش ىلع روثعلل ،لاثملا ليبس ىلع تقروصلا هذه يف حضوم وه امك ،Properties رتخأ



تحت Properties، رتخأ Attribute Editor درقال قمالع View، رقن امث ،صئاصخلا تحت View من أصئ المك ، View رقام وه ام قروصلا يف حضوم.

.اقحال FMC يف مقصلو DN خسن نكمي ثيح ةديدج ةذفان حتفي اذهو.

طيخلا تجرخ OK in order to تقطقط .قحال تقول اهظفحو ةميقلا خسنا .DC=razor، DC=local رذجلا DN نوكي ،لااثملا اذه يف صئاصخلا تجرخ in order to تيناث OK تقطقطو ةذفان ررحم ةمس.

raz	zor.local Properties ?	x			
General Managed By Ob	oject Security Attribute Editor				
Attributes:	Attributes:				
Attribute	Value	~			
defaultLocalPolicyObj	<not set=""></not>				
description	<not set=""></not>				
desktopProfile	<not set=""></not>	=			
displayName	<not set=""></not>				
displayNamePrintable	<not set=""></not>				
distinguishedName	DC=razor,DC=local				
domainPolicyObject	<not set=""></not>				
domainReplica	<not set=""></not>				
dSASignature	{ V1: Flags = 0x0; LatencySecs = 0; DsaGuid				
dSCorePropagationD	0x0 = ()				
eFSPolicy	<not set=""></not>				
extensionName	<not set=""></not>				
flags	<not set=""></not>				
forceLogoff	(never)	~			
< 111	< III >				
View	Filter				
String Attribute Editor					
Attribute: distinguishedName					
Value:					
DC=razor,DC=local					
Clear	OK Cano	el			

•

•

.ةروصلا هذه يف حضوم وه امك ،OK رقنا مث ،mmc.exe لخدأو Win+R طغضا

🖅 Run	\times
0	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	mmc.exe v
	OK Cancel <u>B</u> rowse

:ةروصلا هذه يف حضوم وه امك ،...File > Add/Remove Snap-in...، ىلإ لقتنا

a	Console1 - [Console Root]	
File Action View Favorites Window Help		_ 8 ×
New Ctrl+N		
Open Ctrl+O		Actions
Save Ctrl+S	There are no items to show in this view.	Console Root
Save As		More Actions
Add/Remove Snap-in Ctrl+M		
1 CDWs download 220 day		
1 C:\Windows\system32\dsa		
3 C:\Windows\system32\certmar		
4 C:\Windows\system32\certsry		
Exit		
Enables you to add snap-ins to or remove them from the snap	o-in console.	,

:ةروصلا هذه يف حضوم وه امك ،Add رقنا مث Certificates رتخا ،ةحاتمانا قيفاضإلا تناودالا تحت

٠

alabie graphins:	Vendor	^	Console Root	Edit Extensions
	Venuor			Cont CArchaonann
Active Directory Do	Microsoft Cor			<u>R</u> emove
Active Directory Site	Microsoft Cor			
Active Directory Use	Microsoft Cor			Maus Lis
ActiveX Control	Microsoft Cor			move Op
AUSI EDIT	Microsoft Cor			Move Down
GAUCHORIZATION Manager	Microsoft Cor		d >	
Certificates	Microsoft Cor			
al Certification Authority	Microsoft Cor			
Component Services	Microsoft Cor			
Computer Managem	Microsoft Cor			
Device Manager	Microsoft Cor			
Disk Management	Microsoft and			Advanced
·		*		Howarden

:ةروصلا هذه يف حضوم وه امك ،Next رقنا مث Computer account رتخأ

Certificates snap-in	×
This snap-in will always manage certificates for: <u>My user account</u> <u>Service account</u> <u>Computer account</u>	
< <u>B</u> ack	Cancel

بقنا ،انه حضوم وه امك Finish.

Select Computer	×
Select the computer you want this snap-in to manage. This snap-in will always manage: Local computer: (the computer this console is running on) Another computer: Another computer: Browse Allow the selected computer to be changed when launching from the command line. This only applies if you save the console.	
< Back Finish Cance	ł

.ةروصلا هذه يف حضوم وه امك ،OK رقنا ،نآلا

Vendor	^		Console Root	Edit Extensions
Microsoft Cor			La Certificates (Local Computer)	Remove
Microsoft Cor				
Microsoft Cor				Mouse Line
Microsoft Cor				nove go
Microsoft Cor		<u>A</u> dd >		Move Down
Microsoft Cor				
Microsoft and	~			Advanced
	Microsoft Cor Microsoft Cor	Microsoft Cor Microsoft Cor	Microsoft Cor Microsoft Cor	Microsoft Cor Microsoft Cor

عي سوتب مق (LDAPs لبق نم ةمدختسملا قداهشلا رادصإ بجي Certificates. لاجملا مسا ىل تةجردم تاداهش ثالث مداخلا اذه ىلع دجوي Windows. مداخلا (FQDN) لماكلاب لهؤملا:

ةطساوبو razor-WIN-E3SKFJQD6J7-CA ىل| قدصم عجرم ةداەش رادص| مت.

•

•

•

supinfo-WIN-FNJVP9QUEH9-CA. ىلإو نم ةرداص قدصم عجرم ةداەش

مت WIN-E3SKFJQD6J7.razor.local razor-WIN-E3SKFJQD6J7-CA.

نيت حل اص ريغ نييلوألاا نيت داهشلاا نإف يل اتل ابو WIN-E3SKFJQD6J7.razor.local وه FQDN وه FQDN نوكي ،اذه نيوك تل اليل ديف ايئاقلت اهرادصإ مت قداهش يه WIN-E3SKFJQD6J7.razor.local اهرادصإ مت يتل اقيوهلا قداهش LDAPs SSL قداهشك مادختسالل ليصافتلا نم ققحتلل قداهشلا يلع اجودزم ارقن رقنا Windows Server. لي مان عجرملا قمدخ قطساوب.

a (Console1 - [Console Root\Certif	icates (Local Computer)\Perso	nal\Certificates]		_ 🗆 X			
🚟 File Action View Favorites Window	File Action View Favorites Window Help							
Console Root	Issued To A	Issued By	Expiration Date	Actions				
⊿ ☐ Certificates (Local Computer)	🛱 razor-WIN-E3SKFJQD6J7-CA	razor-WIN-E3SKFJQD6J7-CA	3/22/2026	Certificates	^			
⊿ Personal	Supinfo-WIN-FNJVP9QUEH9-CA	supinfo-WIN-FNJVP9QUEH9-CA	2/23/2025	More Actions				
Certificates	WIN-E3SKFJQD6J7.razor.local	razor-WIN-E3SKFJQD6J7-CA	4/25/2023	More Actions				
Finisted Root Certification Author Finister Trust								
Intermediate Certification Autho								
Trusted Publishers								
Untrusted Certificates								
Third-Party Root Certification Au								
Trusted People								
Client Authentication Issuers								
Other People								
Remote Desktop								
Certificate Enrollment Requests								
Smart Card Trusted Roots								
Trusted Devices								
▶ Web Hosting								
			>]]				
Personal store contains 3 certificates.								

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Windows. مداخب صاخلا FQDN عوضومل ليدبلا مسالا وأ عئاشلا مسالا قباطتي

نسحملا حاتفملا مادختسإ لقح نمض مداخلا ةقداصم ىلع قداەشلا يوتحت.

تحت Details توكياب قصاخلا بيوبتلا قمالع Subject Alternative Name، نوكيWIN-E3SKFJQD6J7.razor.local تحت ادوجوم.

Cer	tificate	×	
General Details Certification Path			
		٦	
Show: <all></all>	~		
Field	Value ^		
🛐 Enhanced Key Usage	Client Authentication (1.3.6.1		
Application Policies	[1]Application Certificate Polic		
🛐 Subject Key Identifier	1b 34 75 f8 c4 3e ef 58 fb 43		
authority Key Identifier	KeyID=cf 83 92 a4 14 00 e7 5		
CRL Distribution Points	[1]CRL Distribution Point: Distr		
Authority Information Access	[1]Authority Info Access: Acc		
🖟 Key Usage	Digital Signature, Key Encipher		
Subject Alternative Name	DNS Name=WIN-E3SKFJQD6J 🗸		
DNS Name=WIN-E3SKFJQD6J7.raz	or.local		
DNS Name=razor.local DNS Name=PAZOP			
DINS Mallie - RAZOR			
Ed	dit Properties Copy to File		
Learn more about certificate details			
	OK		
	UK		

تحت Enhanced Key Usage، Server Authentication درضاح.

📃 Cer	tificate ×				
General Details Certification Path]				
Show: <all></all>	~				
Field Certificate Template Inform	Value Template=LDAPoverSSL(1.3.6 Client Authentication (1.3.6.1				
Application Policies	[1]Application Certificate Polic				
Subject Key Identifier Authority Key Identifier CRL Distribution Points Authority Information Access Key Usage Client Authentication (1.3.6.1.5.5.) Server Authentication (1.3.6.1.5.5.) Smart Card Logon (1.3.6.1.4.1.311 KDC Authentication (1.3.6.1.5.2.3.)	1b 34 75 f8 c4 3e ef 58 fb 43 KeyID=cf 83 92 a4 14 00 e7 5 [1]CRL Distribution Point: Distr [1]Authority Info Access: Acc Digital Signature, Key Encipher ∨ 7.3.2) 7.3.1) 20.2.2) 5)				
Smart Card Logon (1.3.6.1.4.1.311.20.2.2) KDC Authentication (1.3.6.1.5.2.3.5) Edit Properties Copy to File Learn more about certificate details					

عجرملا قداهش يه يتلاو ىلعألا ىوتسملا قداهش رتخأ ،بيوبتلا قمالع Certification Path تحت ،كلذ ديكأت متي امدنع وه امك رذجلا قدصملا عجرملا قداهشل قداهشلا ليصافت حتف ىلإ اذه يدؤي .View Certificate رقنا مث ،رذجلا قدصملا قروصلا يف حضوم:

Certificate	x	Certificate X
General Details Certification Path Certification path Tazor-WIN-E3SKFJQD6J7-CA WIN-E3SKFJQD6J7.razor.local		General Details Certification Path Image: Certificate Information This certificate is intended for the following purpose(s): • All issuance policies • All application policies
View Certificat	e	Issued to: razor-WIN-E3SKFJQD6J7-CA Issued by: razor-WIN-E3SKFJQD6J7-CA
Certificate status: This certificate is OK.	_	Valid from 3/22/2021 to 3/22/2026
Learn more about <u>certification paths</u>		Issuer Statement
	ОК	OK

تحت Details تحتىك الخ حفصتو Copy to File رقنا ،رذجلا قدصملا عجرملا قداهشب قصاخلا بيوبتلا قمالع Details تحت Wizard قيسنتب رذجلا قدصملا عجرملا ردصي يذلا PEM.

فلم قيسنتك Base-64 encoded X.509 رتخأ.

e 🦻	Certificate Export Wizard		
	Completing the Certificate Exp	oort Wizard	
	You have successfully completed the Certificate	Export wizard.	
	You have specified the following settings:		
	File Name	C:\Users\Administrator\Downloads\roo	
	Export Keys	No	
	Include all certificates in the certification path	No	
	File Format	Base64 Encoded X.509 (*.cer)	
	< 111	>	
		Finish Ca	ncel

رخآ صوصن ررحم يأ وأ ةركفم مادختساب زامجلا ىلع ددحملا عقوملا يف ةنزخملا رذجلا قدصملا عجرملا ةداهش حتفا

.قحال تـقول اذه ظفحا .PEM قيسنت ةداهش اذه ضرعي

-----BEGIN CERTIFICATE-----

 CSkTQTRXYryy8dJrWjAF/n6A3VnS/17Uhujlx4CD20BkfQy6p5HpGxdc4GMTTnDzUL46ot6imeBXPHF0IJehh+tZk3bxpoxTDXECAwEAAaNRME8w DAgGGMA8GA1UdEwEB/wQFMAMBAf8wHQYDVR0OBBYEFM+DkqQUAOdY379NnViaMIJAVTZ1MBAGCSsGAQQBgjcVAQQDAgEAMA0C AA4IBAQCiSm5U7U6Y7zXdx+dleJd0QmGgKayAAuYAD+MWNwC4NzFD8Yr7BnO6f/VnF6VGYPXa+Dvs7VLZewMNkp3i+VQpkBCKdhAV6qZu 4sMZffbVrGlRz7twWY36J5G5vhNUhzZ1N2OLw6wtHg2SO8X1vpTS5fAnyCZgSK3VPKfXnn1HLp7UH5/SWN2JbPL15r+wCW84b8nrylbBfn0NEX7l GuDsepY7/u2uWfy/vpTJigeok2DH6HFfOET3sE+7rsIAY+of0kWW5gNwQ4hOwv4Goqj+YQRAXXi2OZyltHR1dfUUbwVENSFQtDnFA7X -----END CERTIFICATE-----

(يرايتخ|) LDAPs مداخ ىلع "يلحملا زاهجلا نزخم" يف ةتبثم ةددعتم تاداهش دوجو ةل اح يف

1. قرلعتي اميف نيوقي مدع كانه نوكي امدنعو LDAPs لـبق نم اهمادختسإ نكمي يتلا قيوهلا تاداهش نم ديدعلا دوجو قلاح يف FTD. علع مت قمزح طاقتلا نم رذجلا قدصملا عجرملا جارختسا نكمملا نم لظي ،LDAP مداخ علا لوصو دجوي ال وأ ،مدختسملاب

2. مكحتلا ةدحو لثم) LDAP مداخل يلحملا رتويبمكلا تاداهش نزخم يف مداخلا ةقداصمل ةحلاص تاداهش ةدع دوجو ةلاح يف لك ةلازا وه ةلكشملا هذه لثمل لح لضفاً LDAP تالاصتال ةفلتخم ةداهش مادختسا ةظحالم نكمي ،AD DS لاجملاب مداخلا ةقداصمل ةحلاص طقف ةدحاو ةداهش اهيفو يلحملا رتويبمكلا تاداهش نزخم نم ةيرورضلا ريغ تاداهشلا

ىلع Windows Server 2008 LDAP مداخ كيدل نوكي نأو رثكأ وأ نيتداهش دوجو بلطتي يقطنم ببس كانه ناك اذإ ،كلذ عمو تالاصتال (NTDS\Personal قمدخ لاجم تامدخل تاداهشلا نزخم مادختسإ نكمي ،لقألا LDAP.

مكحتلا ةدحول يلحملا رتويبمكلا تاداەش نزخم نم اەيلع LDAP نيكمت مت ةداەش ريدصت ةيفيك تاوطخلا ەذە حضوت مردخ لاجم قمدخ تاداەش نزخم ىل لااجملاب Active Directory (NTDS\Personal).

Add/Remove Snap-in. رقنا مث ،File رتخاو ،Add/Remove Snap-in مداخ ىلع MMC مواخ عل

. Add رقنا مث Certificates رقنا

. Next. رقنا مث Computer account رتخأ Next.

OK، يف Finish، يف Add or Remove Snap-ins، رقنا مث OK، رقنا مث OK، مرقنا مث OK، مرتخأ

سواملا رزب رقنا ،مداخلا ةقداصمل مدختست ةداهش ىلع يوتحي يذلا رتويبمكلاب ةصاخلا تاداهشلا مكحت ةدحو يف قوف نميألا Export.

E	nsole1 - [Console Root\Certificates (Local C	omputer)\Personal\Certificates]	_ D X
🚟 File Action View Favorites Windo	Help		_ 8 ×
🗢 🄿 🖄 📰 🐇 🖬 😹 🖬			
Console Root	Issued To Issued By	Expiration Date	Actions
△ 💭 Certificates (Local Computer)	arazor-WIN-E3SKFJQD6J7-CA razor-WIN-E3SK	JQD6J7-CA 3/22/2026	Certificates
Certificates	supinto-WIN-FNJVP9QUEH9-CA supinto-WIN-FN	JVP9QUEH9-CA 2/23/2025	More Actions
Trusted Root Certification Autho		Open	WIN-E3SKEIOD617 razor local
Enterprise Trust Intermediate Certification Author		All Tasks Op	en 🕨
Trusted Publishers		Cut Re	quest Certificate with New Key
Untrusted Certificates		Copy Re	new Certificate with New Key
Third-Party Root Certification Au		Delete Ma	anage Private Keys
Client Authentication Issuer		Properties Ad	vanced Operations
Client Authentication issuers Other People			· · · · ·
Remote Desktop		Help	port
Certificate Enrollment Requests			
Smart Card Trusted Roots			
Trusted Devices			
Web Hosting			
	III	>	
Export a certificate			

• تداەش ريدصت قيفيك لوح ةلاقملا ەذە ىكا قراشإلىا .قيلاتكا ماسقالا يف pfx قيسنتكاب قداەشلا ريدصت نم pfx قيسنتكاب MMC:

https://www.cisco.com/c/en/us/support/docs/security/web-security-appliance/118339-technote-wsa-00.html.

Add/Remove Snap-in رقنا مث Certificates رقنا مث Add/Remove Snap-in ليغشت Add/Remove Snap-in مل ا ريدصت مامت مامت

Next. رقنا مث Service account رتخأ

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•

Certificates snap-in

х

This snap-in will always manage certificates for:

My user account

Service account

Computer account

.Next رقناو Local Computer رتخأ ،ةشاشلا Select Computer يف

رتخأ مث Active Directory Domain Services رقنا مث

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Certificates	s snap-in 🛛 🗙
Select a service account to manage on the local co	mputer.
Service account:	
Active Directory Certificate Services	^
Active Directory Web Services AD FS Windows Service Application Experience Application Host Helper Service Application Identity Application Information Application Layer Gateway Service Application Management ASP.NET State Service Background Intelligent Transfer Service Background Tasks Infrastructure Service Base Filtering Engine	
	< Back Finish Cancel

.OK رقنا ،ةشاشلا Add/Remove Snap-ins وقنا ،

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ددمت Certificates - Services (Active Directory Domain Services) رقنا مث NTDS\Personal.

Import. رقنا مث ،All Tasks رقناو ،ITDS\Personal نميألا سواملا رزب رقنا

Console1 - [Console Roo	t\Certificates - Service (Active Directory Domain Services) on Local Comput	ter\NTDS\Personal]
🚰 File Action View Favorites Window I	Help	_ & ×
🗢 🔿 🙍 🗊 📋 🧟 📄		
Console Root OI	bject Type	Actions
Certificates (Local Computer)	Certificates	NTDS\Personal
NTOC Descared		More Actions
▷ Sind Certificates		
D I NT All Tasks	 Find Certificates 	
D NI View	Import	
NT New Window from Here	Advanced Operations	
▷ INT New Taskpad View		
▷ 🔤 NT Refresh		
Export List		
Help		
Add a certificate to a store		

رقنا ،بيحرتاا ةشاش Certificate Import Wizard يف

اقربسم ەرىدصتب تمق يذلا صيخرتارا فالم ناڭم ددجو ،Browse رقانا ،داريتسالال فالم ةشاش يف.

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يف لـقنتلاب مق مث فـلملا عونك (pfx،*.p12*) ةيصخشلا تامولعملا لدابت ديدحت نم دكأت ،ةحوتفـملا ةشاشلا ىلع ةداەشلا كلت ىلع رقنا مث .اقبسم اەريدصتب تمق يتلا ةداەشلا ناكم ديدحتل تافلملا ماظن.

a	Oper	1			x
€ 🕘 ▼ ↑ 📑 ► Libr	aries 🕨 Documents		v ♂ Search Do	ocuments	P
Organize 👻 New folder					
🔆 Favorites	Name	Date modified	Туре	Size	
Desktop	🦻 ldapcert	4/25/2022 12:01	Personal Informati	5 KB	
Downloads Recent places					
演 Libraries					
Documents					
J Music					
Pictures					
Videos 🗧					
👰 Computer					
🙀 Network					
File nar	me: Idapcert		✓ Personal	Information Exchar	nge 🗸
			Оре	n Canc	el

Next. رقنا مث Open رقنا

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.فلملل اهطبضب تمق يتلاا رورملا ةملك قوف Next رقنا مث ،ةشاشلا ىلع رورملا ةملك لخدأ

.Next رقنا مث NTDS\Personal :تاداەشلا نزخم أرقاو تاداەشلا لك عضو ديدحت نم دكأت ،تاداەشلا نزخم ةحفص يف

€	🛃 Certifi	cate Import Wizard
	Certificate	Store
	Certific	cate stores are system areas where certificates are kept.
	Window the cer	ws can automatically select a certificate store, or you can specify a location for rtificate.
	\bigcirc	Automatically select the certificate store based on the type of certificate
	\odot	Place all certificates in the following store
		Certificate store:
		NTDS\Personal Browse
		shout cartificate stores
	Learn more	about <u>ceruncate stores</u>
		Next Cancel

x

يف Certificate Import Wizard رقنا ،لامكإلا ةشاش Finish يف الماي المكالية من المكالية المكالية الماي الماي يف. تاداهشلا نزخم تحت اهداريتسإ مت ةداهشلا نأ رهظي OK.رقنا.

Console1 - [Console Root\Certific	ates - Service (Active Directory	/ Domain Services) on Local C	Computer\NTDS\P	ersonal\Certificates] 🗕 🗖 🗙
藩 File Action View Favorites Window	v Help			_ 8 ×
🗢 🔿 🗖 🐻 🔏 🖬 🗶 🖬 🛃				
Console Root	Issued To	Issued By	Expiration Date	Actions
Certificates (Local Computer)	razor-WIN-E3SKFJQD6J7-CA	razor-WIN-E3SKFJQD6J7-CA	3/22/2026	Certificates •
⊿ → Certificates - Service (Active Directory D ⊿ ─ NTDS\Personal	WIN-E3SKFJQD6J7.razor.local	razor-WIN-E3SKFJQD6J7-CA	4/25/2023	More Actions
Certificates				WIN-E3SKFJQD6J7.razor.local
ATDS\Enterprise Trust ATDS\Enterprise Trust ATDS\Intermediate Certification Aur ATDS\Intrusted Publishers ATDS\Untrusted Certificates ATDS\Untrusted Certificates ATDS\Trusted People ATDS\Client Authentication Issuers				More Actions
	<		>]]
NTDS\Personal store contains 2 certificates.				

FMC تانيوكت

صيخرتلا نم ققحتلا

ى الع حلاص VPN وأ Apex وأ Plus صيخرت قيبطت بجيو ،يكذلا صيخرتلا مداخ عم FTD ليجست بجي ،AnyConnect نيوكت رشنل طقف زاهجلا.

دادعإلا ملاع

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ةروصلا هذه يف حضوم وه امك ،Add Realm قوف رقنا مث ،Realms ىلإ لقتنا.

Overview Ar	nalysis Policies	Devices Objects	AMP Intelligence											Deploy Sy	stem Help 🔻	admin v
						Co	onfiguration	Users	Domains	Integration	Updates	Licenses v	Logging •	Health •	¹ Monitoring •	Tools •
	3									2						
Cloud Servi	rices Realms	Identity Sources	High Availability	eStreamer	Host Input Client	Smart So	oftware Man	nger On-P	rem							
		,	,													
Realms	Realm Sequence	es Sync Results	1													4
														Compa	are Realms Ad	d Realm
Name +	Descripti	ion	Туре	Do	main	AD Pr	rimary Domain	1		Base DN				State		

داريتساب مق ،كلذ لبق LDAPs. ل Microsoft مداخ نم اهعيمجت مت يتلا تامولعملا ىلع ءانب قضورعملا لوقحلا ألما مداخ ىلع LDAP مرداخ ىلع عجرملا قداهش علع تعقو يتلا رذجلا قدصملا عجرملا قداهش Trusted CAs > Add مداخ ىلع Directory Server Configuration لفسأ كلذ ىلإ راشي ثيح ،لفسأ CK.

Firepower Manag Objects / Object Manage	ement Center Overview Analy	sis Policies Devices Objects AMP Intelligence		Deploy Q 🚱 🔅 (admin 🔹
AAA Server Access List Address Pools Application Elitere	Trusted CAs Trusted certificate authority (CA) object	represents a CA public key certificate belonging to a trusted CA. You can use e	xternal CA objects in	Add Trusted CA Q. Filter SSL policy, realm configurations and ISE/ISE-PIC connection	on.
AS Path Cipher Suite List Community List	Name ISRG-Root-X1 Izence.com			Value CN=ISRG Root X1, ORG=Internet Security Research G CN=Izenoe.com, ORG=IZENPE S.A., C=ES	11
DNS Server Group External Attributes Eile List	LDAPS-ROOT-CERT Microsec-e-Szigno-Root-CA-2009	Edit Trusted Certificate Authority	0	CN=razor-WIN-E3SKFJQD6J7-CA CN=Microsec e-Szigno Root CA 2009, ORG=Microse	11
FlexConfig Geolocation Interface	NetLock-Arany-Class-Gold-FAtanAosAtv OISTE-WISeKey-Global-Root-GA-CA	Name: LDAPS-ROOT-CERT		CN=NetLock Arany (Class Gold) FA tanA2sÅtvÅjny, CN=OISTE WISeKey Global Root GA CA, ORG=WISeK	/1
Key Chain Network V PKI	OISTE-WISeKey-Global-Root-GB-CA OISTE-WISeKey-Global-Root-GC-CA	Subject: Common Name: razor-WIN-E3SKFJQD6J7-CA Organization:		CN=OISTE WISeKey Global Root GB CA, ORG=WISeK CN=OISTE WISeKey Global Root GC CA, ORG=WISeK	/1
Cert Enrollment External Cert Groups External Certs	QuoVadis-Root-CA-1-G3 QuoVadis-Root-CA-2	Organization Unit: Issuer: Common Name: razor-WIN-E3SKFJQD6J7-CA		CN=QuoVadis Root CA 1 G3, ORG=QuoVadis Limited, CN=QuoVadis Root CA 2, ORG=QuoVadis Limited, C=	/1
Internal CA Groups Internal CAs Internal Cert Groups	QuoVadis-Root-CA-3 QuoVadis-Root-CA-3-G3	Organization: Organization Unit: Not Valid Before:		CN=QuoVadis Root CA 3, ORG=QuoVadis Limited, C= CN=QuoVadis Root CA 3 G3, ORG=QuoVadis Limited,	11
Internal Certs Trusted CA Groups Trusted CAs	QuoVadis-Root-Certification-Authority Secure-Global-CA	Mar 22 14:33:15 2021 GMT Not Valid After: Mar 22 14:43:15 2026 GMT		CN=QueVadis Root Certification Authority, ORG=QueV CN=Secure Global CA, ORG=SecureTrust Corporation	11
Policy List Port	SecureTrust-CA	Install Certificate Cance	el Save	CN*SecureTrust CA, ORG*SecureTrust Corporation, Displaying 81 - 100 of 125 rows < < Page 5	/ ⊒ 017 > > C

Add New Realm

Name*	Description
LDAP-Server	
Туре	
LDAP	
Directory Username*	Directory Password*
Administrator@razor.local	
E.g. user@domain.com	
Base DN*	Group DN*
DC=razor,DC=local	DC=razor,DC=local
E.g. ou=group,dc=cisco,dc=com	E.g. ou=group,dc=cisco,dc=com
Directory Server Configuration	
Hostname/IP Address* WIN-E3SKFJQD6J7.razor.local	Port* 636
Encryption	CA Certificate*
LDAPS V	LDAPS-ROOT-CERT V +
Interface used to connect to Directory server (i) Resolve via route lookup Choose an interface Default: Management/Diagnostic Interface Test	~

0 ×

وأ) ججانلا لاصتالا نإف ،(dmz) وأ جراخلا وأ لخادلا يف لاحلا وه امك) FTD ىلع اهنيوكت مت يتلا هيجوتلل قلباقلا نم اهؤدب متي AnyConnect LDAP ققداصم تابلط نأل ارظن AnyConnect ققداصمل ةجيتنلا سفن نمضي ال (لشافلا .هيجوتلل قلباقلا FTD تاهجاو ىدح

Add Directory	@ ×
Hostname/IP Address* WIN-E3SKFJQD6J7.razor.loc	Port* 636
Encryption	CA Certificate*
LDAPS	LDAPS-ROOT-CERT V +
 Interface used to connect to Dire Resolve via route lookup Choose an interface 	ctory server i
Test I Test connection s	succeeded
	Cancel OK

ديدجلا قاطنلا نيكمتب مق.

Overview Analysis Policies Devices Objects	AMP Intelligence					<u></u>	Deploy System	Help 🔻 admin 🔻
			Configuration Users	Domains	Integration Updates	Licenses • Logging •	Health • Me	onitoring • Tools •
Cloud Services Realms Identity Sources	High Availability eStreamer	Host Input Client Sr	mart Software Manager On-F	rem				
Realms Realm Sequences Sync Results								
							Comment De	alara di da Da alar
							Compare He	Add Realm
Name + Description	Туре	Domain	AD Primary Domain		Base DN		State	
AC-Local	LOCAL	Global					Enabled	🛨 🥕 🖬 🗑
LDAP	AD	Global	cisco01.com		OU=Users,OU=CISCO,I	DC=cisco01,DC=com	Enabled	±∕% ¥
LDAP-Server	AD	Global	razor.local		DC=razor,DC=local		Enabled	±∕¶∎

رورملا ةملك ةرادإل AnyConnect نيوكت

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مدختسي ،انه AnyConnect. ل ايلوأ ادادعإ ناك اذإ ،ديدج فيرعت فلم ءاشناب مق وأ دوجوملا لاصتالا فيرعت فلم رتخأ موت فيصوت AnyConnect-AD' ممسا دوجوم ليصوت فيصوت.

Overview Analysis Policies Devices Objects AMP Inte	lligence		🗛 Deploy System Help 🕶 admin 🕶
Device Management Device Upgrade NAT VPN > Remote Acc	ess QoS Platform Settings FlexConfig	Certificates	
AnyConnect Enter Description			Save Cancel
			Policy Assignments (1)
		Local Realm: asa	Dynamic Access Policy: Hostscan
Connection Profile Access Interfaces Advanced			
			0
Name	AAA	Group Policy	
DefaultWEBVPNGroup	Authentication: None Authorization: None Accounting: None	DftCrpPolicy	/ 8
AnyConnect	Authentication: Radius (RADIUS) Authorization: Radius (RADIUS) Accounting: Wone	DfttGrpPolicy	/ 0
AnyConnect-AD	Authentication: LOCAL Authorization: None Accounting: None	💽 AnyConnect-Group	/ 9

تادادعإ لفسأ ،ةقباسلا تاوطخلا يف ەنيوكت مت يذلا ديدجلا LDAP مداخ نييعتو لاصتالا فيرعت فلم ريرحتب مق AAA رقنا ،ءاەتنالا درجمب .لاصتالا فيرعت فلمب ةصاخلا AAA رقنا ،ءاەتنالا درجمب .لاصتال فيرعت فلمب ةصاخلا

AnyConnect Enter Description Edit Connection Profile Edit Connection Profile Dynamic Access Policy: Host Dynamic Access Policy: Host Connection Profile Connection Profile Advanced Connection Profile: AnyConnect-AD Group Policy: Local Realm: None Dynamic Access Policy: Host Dynamic Access Policy: Host Name Local Realm: None Local Realm: None Dynamic Access Policy: Host	t <u>s (1)</u> scan
Edit Connection Profile Edit Connection Profile Instrument Local Realm: None Dynamic Access Policy: Host Connection Profile Access Interfaces Advanced Connection Profile:* AnyConnect-AD Connection Profile:* Connection Pro	scan
Connection Profile:* AnyConnect-AD Group Policy:* AnyConnect-Group + Name Kit Group Policy +	
Name Edit Group Policy	+
Client Address Assignment AAA Allases	
Authentication Authentication AAA Only	
AnyConnect-AD Authentication Server: LDAP-Server (AD)	
Use secondary authentication server	
Configure LDAP Attribute Map Accounting Accounting Server: Advanced Settings Strip Realm from username	
Cancel Save	

لا تحت ةرادإ ةملك تنكم AAA > Advanced Settings.

Overview Analysis Policies Devices Objects AMP Intellige Device Management Device Upgrade NAT VPN • Remote Access	nCe QoS Platform Settings FlexConfig Certificates	n Deploy System Help + admin +
AnyConnect		Save Cancel
		Policy Assignments (1) Local Realm: asa Dynamic Access Policy: <u>Hostscan</u>
Connection Profile Access Interfaces Advanced	Edit Connection Profile ? ×	
	Connection Profile:* AnyConnect-AD Group Policy:* AnyConnect-Group	0
Name P	East Group Poicy	19
January Marting J	Client Address Assignment AAA Aliases	~ 0
AnyConnect #	LDAP-Server (AD) Fallback to LOCAL Authentication	/ 9
AnyCannect-AD	Use secondary authentication Authorization	<i>2</i> 8
sjobs	Authorization Server: Use same authentication server Configure LDAP Attribute Map Configure LDAP Attribute Map	/ 8
	Accounting Accounting Server: Advanced Settings Advanced Settings Strip Realm from username Strip Group from username Finable Password Management Advanced Settings Advanced Settings Save Cancel	

نيمي ىلعألاا ىلع رزلاا Deployتقطقط ،ليكشتلا لك عم متي نإ ام.

Overview Analysis Policies Devices C	Dbjects AMP Intelligence	👫 Deploy System Help 🕶 admin 🕶

:ةروصلا هذه يف حضوم وه امك ،Deploy قوف رقنا مث اهيلع قبطملا FTD نيوكتل ةرواجملا رايتخالا ةناخ قوف رقنا

Overview Analysis Policies Devices Objects AM	1P Intelligence					🎨 Deploy System Help 🕶 admin 🕶
						Deployment Deployment History
Search using device name, user name, type, group	or status					1 device selected Deploy time: Estimate
Device	Modified by	Inspect Interruption	Type Gro	up Last Deploy Time	Preview	Status
> Ø 10.197.224.190_FTD1	admin		FTD	May 30, 2022 7:34 AM	₿.	Pending

يئاەنلا بيترتلا

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.ججانلا رشنلا دعب FTD ب ةصاخلا (CLI) رماوألا رطس ةمجاو يف رمظي يذلا نيوكتلا وه اذه

AAA نيوكت

<#root>

> show running-config aaa-server

aaa-server LDAP-Server protocol ldap

<----- aaa-server group configured for LDAPs

```
max-failed-attempts 4
```

realm-id 8

aaa-server LDAP-Server host WIN-E3SKFJQD6J7.razor.local

<----- LDAPs Server to which the queries are sent

ldap-base-dn DC=razor,DC=local ldap-group-base-dn DC=razor,DC=local ldap-scope subtree ldap-naming-attribute sAMAccountName ldap-login-password ***** ldap-login-dn *****@razor.local ldap-over-ssl enable server-type microsoft

AnyConnect نيوكت

<#root>

> show running-config webvpn

webvpn

enable Outside

anyconnect image disk0:/csm/anyconnect-win-4.10.01075-webdeploy-k9.pkg 1 regex "Windows"

anyconnect profiles FTD-Client-Prof disk0:/csm/ftd.xml

anyconnect enable

tunnel-group-list enable

cache

no disable

error-recovery disable

> show running-config tunnel-group

tunnel-group AnyConnect-AD type remote-access
tunnel-group AnyConnect-AD general-attributes

address-pool Pool-1

```
default-group-policy AnyConnect-Group
```

password-management password-expire-in-days 1

<----- Password-management

tunnel-group AnyConnect-AD webvpn-attributes

group-alias Dev enable

> show running-config group-policy AnyConnect-Group

group-policy

AnyConnect-Group

internal

<----- Group-Policy configuration that is mapped once the user is authenticated</pre>

group-policy AnyConnect-Group attributes

vpn-simultaneous-logins 3

vpn-idle-timeout 35791394

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 tunnelspecified

split-tunnel-network-list value Remote-Access-Allow

default-domain none

split-dns none

split-tunnel-all-dns disable

client-bypass-protocol disable

vlan none

address-pools none

<----- Protocol

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 profiles value FTD-Client-Prof type user anyconnect ask none default anyconnect

anyconnect ssl df-bit-ignore disable

> show running-config ssl

ssl trust-point ID-New-Cert Outside

<----- FTD ID-cert trustpoint name mapped to the outside interface on which AnyConnect Connections

ققحتلا

مدختسملا لاصتال رورملا ةملك ةرادا ةيلمع نم قوّحتلاو AnyConnect ب لاصتالا

ةملك نأل ارظن يلوألا لوخدلا ليجست دنع رورملا ةملك رييغت ديدحت درجمب .ينعملا لاصتالا فيرعت فلمب لاصتا ءدب .1 .رورملا ةملك رييغتب مدختسملا ةبلاطم متت ،اهتيحالص ءاهتنا دنع Microsoft Server ةطساوب اهضفر مت ةقباسلا رورملا

Gisco AnyConnect FTD-Hostname X X	
Group: Dev V Username: admin Password: [Cisco Any Connect Secure Mobility Client
OK Cancel	

Cisco AnyConnect FTD-Hostname New Password: Verify Password: Password change required, you must enter a new password with a minimum length of 7 to continue.	X Cisco AnyConnect Secure Mobility Client — X	
Continue Cancel	VPRI: Contacting FTD-Hostname. FTD-Hostname Continue	

جاجنب لاصتالا ءاشنإ متي ،لوخدلا ليجستل ةديدجلا رورملا ةملكل مدختسملا لاخدا درجمب.

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🚳 Cisco AnyC	onnect Secure Mobility Client		-		×
	VPN: Connected to FTD-Hostname. FTD-Hostname	~		Disconnec	t
00:02:43					IPv4
\$ (i)					dialo cisco

:CLI ل (CLI) رماوألا رطس ةهجاو ىلع مدختسملا لاصتا نم ققحتلا

<#root>

FTD_2# sh vpn-sessiondb anyconnect

```
Session Type: AnyConnect
Username
           : admin
             Index : 7
<----- Username, IP address assigned information of the client
Assigned IP : 10.1.x.x
           Public IP : 10.106.xx.xx
Protocol
           :
AnyConnect-Parent SSL-Tunnel DTLS-Tunnel
License
           : AnyConnect Premium
          : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES-GCM-256 DTLS-Tunnel: (1)AES-GCM-256
Encryption
Hashing
           : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA384 DTLS-Tunnel: (1)SHA384
Bytes Tx
           : 16316
                                   Bytes Rx : 2109
Group Policy : AnyConnect-Group Tunnel Group : AnyConnect-AD
Login Time : 13:22:24 UTC Mon Apr 25 2022
Duration
          : 0h:00m:51s
Inactivity : 0h:00m:00s
                                   VLAN : none
VLAN Mapping : N/A
Audt Sess ID : 0ac5e0fa000070006266a090
Security Grp : none
                                   Tunnel Zone : 0
```

اهحالصإو ءاطخألا فاشكتسا

ءاطخألا حيحصت

. debug Idap 255 اهجالصإو رورملا ةملك ةرادإ ءاطخأ فاشكتسال يصيخشت CLI يف اذه ءاطخألاا حيحصت ليغشت نكمي.

ةلماعلا رورملا ةملك ةرادإ ءاطخأ حيحصت تايلمع

<#root>

- [24] Session Start
- [24] New request Session, context 0x0000148f3c271830, reqType = Authentication
- [24] Fiber started

[24] Creating LDAP context with uri=ldaps://10.106.71.234:636

[24] Connect to LDAP server: ldaps://10.106.71.234:636, status = Successful

[24] supportedLDAPVersion: value = 3

- [24] supportedLDAPVersion: value = 2
- [24] Binding as *****@razor.local
- [24] Performing Simple authentication for *****@razor.local to 10.106.71.234
- [24] LDAP Search:

Base DN = [DC=razor,DC=local]

- Filter = [sAMAccountName=admin]
- Scope = [SUBTREE]
- [24] User DN = [CN=admin,CN=Users,DC=razor,DC=local]
- [24] Talking to Active Directory server 10.106.71.234

[24] Reading password policy for admin, dn:CN=admin,CN=Users,DC=razor,DC=local

[24] Read bad password count 3

[24] Binding as admin

[24] Performing Simple authentication for admin to 10.106.71.234

[24] Simple authentication for admin returned code (49) Invalid credentials

[24] Message (admin): 80090308: LdapErr: DSID-0C0903C5, comment: AcceptSecurityContext error, data 773,

[24] Checking password policy

[24] New password is required for admin

[24] Fiber exit Tx=622 bytes Rx=2771 bytes, status=-1

[24] Session End

[25] Session Start

[25] New request Session, context 0x0000148f3c271830, reqType = Modify Password

[25] Fiber started

[25] Creating LDAP context with uri=ldaps://10.106.71.234:636

[25] Connect to LDAP server: ldaps://10.106.71.234:636, status = Successful

[25] supportedLDAPVersion: value = 3

[25] supportedLDAPVersion: value = 2

[25] Binding as *****@razor.local

- [25] Performing Simple authentication for *****@razor.local to 10.106.71.234
- [25] LDAP Search:

Base DN = [DC=razor,DC=local]

Filter = [sAMAccountName=admin]

Scope = [SUBTREE]

- [25] User DN = [CN=admin,CN=Users,DC=razor,DC=local]
- [25] Talking to Active Directory server 10.106.71.234

[25] Reading password policy for admin, dn:CN=admin,CN=Users,DC=razor,DC=local

[25] Read bad password count 3

[25] Change Password for admin successfully converted old password to unicode

[25] Change Password for admin successfully converted new password to unicode

[25] Password for admin successfully changed

- [25] Retrieved User Attributes:
- [25] objectClass: value = top
- [25] objectClass: value = person
- [25] objectClass: value = organizationalPerson
- [25] objectClass: value = user
- [25] cn: value = admin
- [25] givenName: value = admin
- [25] distinguishedName: value = CN=admin,CN=Users,DC=razor,DC=local
- [25] instanceType: value = 4
- [25] whenCreated: value = 20201029053516.0Z
- [25] whenChanged: value = 20220426032127.0Z
- [25] displayName: value = admin
- [25] uSNCreated: value = 16710
- [25] uSNChanged: value = 98431
- [25] name: value = admin
- [25] objectGUID: value = ..0.].LH....9.4
- [25] userAccountControl: value = 512
- [25] badPwdCount: value = 3
- [25] codePage: value = 0
- [25] countryCode: value = 0
- [25] badPasswordTime: value = 132610388348662803

- [25] lastLogoff: value = 0
- [25] lastLogon: value = 132484577284881837
- [25] pwdLastSet: value = 0
- [25] primaryGroupID: value = 513
- [25] objectSid: value =7Z|....RQ...
- [25] accountExpires: value = 9223372036854775807
- [25] logonCount: value = 0
- [25] sAMAccountName: value = admin
- [25] sAMAccountType: value = 805306368
- [25] userPrincipalName: value = *****@razor.local
- [25] objectCategory: value = CN=Person,CN=Schema,CN=Configuration,DC=razor,DC=local
- [25] dSCorePropagationData: value = 20220425125800.0Z
- [25] dSCorePropagationData: value = 20201029053516.0Z
- [25] dSCorePropagationData: value = 16010101000000.0Z
- [25] lastLogonTimestamp: value = 132953506361126701
- [25] msDS-SupportedEncryptionTypes: value = 0
- [25] uid: value = *****@razor.local
- [25] Fiber exit Tx=714 bytes Rx=2683 bytes, status=1
- [25] Session End

رورملا ةملك ةرادإ ءانثأ اهتفداصم تمت يتلا ةعئاشلا ءاطخألا

مدختسملا ميف موقي يذلا تقولا لالخ Microsoft Server قطساوب منييعت مت يذلا رورملا قملك جمنب ءافولا متي مل اذإ ،قداع ،يلاتلابو ."رورملا قملك جمن تابلطتمب رورملا قملك يفت ال" أطخلاب لاصتالا ءامنا متي ،قديدجلا رورملا قملك ريفوتب ملات Microsoft Server قملك قرباطت نم دكأت مت يذلا جمنلا عم قديدجلا رورملا قملك قرباطت نم دكأت (لمراد المعالي ا

Sisco AnyConne	ect I FTD-Hostname X		
Cannot com password p complexity,	inglet password change because the password does not meet the olicy requirements. Check the minimum password length, password , and password history requirements.		
Group:	Dev 🗸	🕙 Cisco AnyConnect Secure Mobility Client — 🗆 🗙	
Username:	admin		
Password:		Cannot complete password change because the password does not meet the password policy requirements. Check	
	OK Cancel	FTD-Hostname v Connect	
		O este	
		Cisco AnyConnect X	
		Cannot complete password change because the password does not meet the password policy requirements. Check the minimum password length, password complexity, and password history requirements.	
		ОК	

ةمجرتاا مذه لوح

تمجرت Cisco تايان تايانق تال نم قعومجم مادختساب دنتسمل اذه Cisco تمجرت ملاعل العامي عيمج يف نيم دختسمل لمعد يوتحم ميدقت لقيرشبل و امك ققيقد نوكت نل قيل قمجرت لضفاً نأ قظعالم يجرُي .قصاخل امهتغلب Cisco ياخت .فرتحم مجرتم اممدقي يتل القيفارت عال قمجرت اعم ل احل اوه يل إ أم اد عوجرل اب يصوُتو تامجرت الاذة ققد نع اهتي لوئسم Systems الما يا إ أم الا عنه يل الان الانتيام الال الانتيال الانت الما