使用ISE作為RADIUS伺服器配置FMC和FTD外部 身份驗證

目錄
<u>必要條件</u>
採用元件
FMC的外部驗證
FTD的外部驗證
網路拓撲
<u>設定</u>
ISE 組態
FMC配置
FTD組態
<u>驗證</u>

簡介

本文檔介紹安全防火牆管理中心和防火牆威脅防禦的外部身份驗證配置示例。

必要條件

需求

建議您瞭解以下主題:

- 透過GUI和/或外殼進行Cisco Secure Firewall Management Center初始配置。
- 在ISE上配置身份驗證和授權策略。
- 基本RADIUS知識。

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- vFMC 7.2.5
- vFTD 7.2.5。
- ISE 3.2。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路運作中,請確保您瞭解任何指令可能造成的影響。

背景資訊

當您為Secure Firewall系統的管理和管理使用者啟用外部身份驗證時,裝置會使用外部身份驗證對 象中指定的輕型目錄訪問協定(LDAP)或RADIUS伺服器驗證使用者憑據。

FMC和FTD裝置可以使用外部驗證物件。您可以在不同的裝置/裝置型別之間共用相同的對象,或建 立單獨的對象。

FMC的外部驗證

您可以為Web介面存取設定多個外部驗證物件。只有一個外部身份驗證對象可用於CLI或外殼訪問。

FTD的外部驗證

對於FTD,您只能啟用一個外部身份驗證對象。

網路拓撲



設定

ISE 組態



注意:有多種方法可以為網路訪問裝置(NAD)(例如FMC)設定ISE身份驗證和授權策略。 本文檔中介紹的示例是一個參考點,在此參考點中,我們建立了兩個配置檔案(一個具有 管理員許可權,另一個為只讀),可以對其進行調整以符合訪問網路的基線。可以在ISE上 定義一個或多個授權策略,並返回RADIUS屬性值到FMC,然後對映到FMC系統策略配置 中定義的本地使用者組。

步驟 1.新增網路裝置。導航到位於左上角的漢堡圖示 >管理>網路資源>網路裝置> +增加。



步驟 2.為網路裝置對象分配名稱並插入FMC IP地址。

選中RADIUS 覈取方塊並定義共用金鑰。

稍後必須使用相同的金鑰來設定FMC。

完成後,按一下Save。

Cisco ISE	Administration - Network Resources							Q	0	53	ø
Network Devices	Network Device Groups	Network Device Profiles	External RADIUS	Servers RA	DIUS Server Sequences	NAC Managers	More \sim				
Network Devices Default Device Device Security Settings	Network Devices List Network Device	> FMC									
	Name	FMC									
	Description										
	IP Address	* IP : 192.168.192.60	/ 32 💮								
	Device Profile	📥 Cisco	× 0								
	Model Name	vFMC	~								
	Software Version	7.2.5	~								
	Network Device C	Group									
	Location	All Locations	~	Set To Default							
	IPSEC	No	~	Set To Default							
	Device Type	All Device Types	~	Set To Default							
	RADIL	JS Authentication Setting	S								
	RADIUS U	JDP Settings									
	Protocol	RADIUS									
	Shared Se	cret		Show							
	Use Se	Second Shared Secret () Second Shared Secret			Show						

步驟 2.1.重複相同步驟以新增FTD。

為網路裝置對象分配名稱並插入FTD IP地址。

選中RADIUS 覈取方塊並定義共用金鑰。

完成後,按一下Save。

■ Cisco ISE	Administration - Network Resources						
Network Devices	Network Device Groups Network Device Profiles External RADIUS Servers RADIUS Server Sequences NAC Managers More \sim						
Network Devices Default Device Device Security Settings	Network Devices List > FTD Network Devices						
	Name FTD Description						
	IP Address v * IP : 192.168.192.83 / 32 🗇						
	Device Profile 🚔 Cisco Y 🕕						
	Model Name vFTD ~						
	Software Version 7.2.5						
	Network Device Group						
	IPSEC No Set To Default						
	Device Type All Device Types V Set To Default						
	RADIUS Authentication Settings						
	RADIUS UDP Settings						
	Protocol RADIUS						
	Shared Secret O						
	Second Shared Show						

步驟 2.3.驗證「Network Devices(網路裝置)」下顯示的兩個裝置。

Administration - Network Resources					Q (Ø	9 Q
evice Groups N	etwork Device Profiles	External RADIUS Server	s RADIUS Server Se	equences NAC Manage	rs More \vee	
	Duplicate	∰ Export ❤ 음 Generati	s PAC 👩 Delete 🗸		Selected 0 Total 2) @
Name FMC FTD	IP/Mask 192.168.192.60/32 192.168.192.83/32	Cisco ()	All Locations	Type II All Device Types All Device Types	Description	
	evice Groups N Network C C Edit + Add Name A FMC FTD	Adm evice Groups Network Device Profiles Network Devices PEdit + Add Duplicate Import Name ^ IP/Mask FMC 192.168.192.60/32 FTD 192.168.192.83/32	Administration - Network Res evice Groups Network Device Profiles External RADIUS Server Network Devices Peter + Add Duplicate Import Depert Composition of Composition Name ~ IP/Mask Profile Name I FMC 192.168.192.60/32 # Cisco ()	Administration - Network Resources evice Groups Network Device Profiles External RADIUS Servers RADIUS Server Set Network Devices Peter + Add Duplicate import Export < Generate PAC Delete < Name Nip/Mask Profile Name Location FMC 192.168.192.60/32 # Cisco All Locations FTD 192.168.192.83/32 # Cisco All Locations	Administration - Network Resources evice Groups Network Device Profiles External RADIUS Servers RADIUS Server Sequences NAC Manage Network Devices Deplicate Import Export <	Administration · Network Resources Q evice Groups Network Device Profiles External RADIUS Servers RADIUS Servers NAC Managers More ~ Selected 0 Total 2 Potit + Add Duplicate Import External RADIUS Content Device Types All Locations

步驟 3. 建立所需的使用者身份組。導航到位於左上角的漢堡圖示



>管理>身份管理>組>使用者身份組>+增加

■ Cisco ISE	Administration · Identity Management		
Identities Groups Ex	ternal Identity Sources Identity Source	e Sequences Settings	
Identity Groups	User Identity Gr	oups	Selected 0 Total 11 🦪 🏟
> 🛅 Endpoint Identity G	roups	🗸 🕁 Import 🔥 Export 🗸	all \sim $~$ IIA
> 🛅 User Identity Group	Name Name	∧ Description	

步驟 4.為每個組指定名稱並單獨儲存。在此範例中,我們將為管理員使用者建立群組,為唯讀使用 者建立另一個群組。首先,為具有管理員許可權的使用者建立組。

≡ C	isco ISE			Administration · Identity Management					
Identitie	es Groups	External Ide	entity Sources	Identity Source Sequences Settings					
Identi	ity Groups		User Identity Grou	ups $>$ FMC and FTD admins					
EQ,			Identity Grou	q					
<	iii	¢							
>	Endpoint Ident	tity Groups	* Name	FMC and FTD admins					
>	🗀 User Identity (Groups	Description	FMC and FTD admins ISE local.					
				Save					

步驟 4.1.為只讀使用者建立第二個組。

≡ Cisc	o ISE	Administration · Identity Management					
Identities	Groups External Ic	lentity Sources	Identity Source Sequences Settings				
Identity G	iroups	User Identity Gro	ups > FMC and FTD ReadOnly				
EQ.		Identity Gro	up				
< 1	e						
> 🖿	Endpoint Identity Groups	* Name	FMC and FTD ReadOnly				
> 🗅	User Identity Groups	Description	FMC and FTD ReadOnly.				
			Save				

步驟 4.2.驗證兩個群組會顯示在[使用者身份群組清單]下。使用過濾器可以輕鬆找到它們。

E Cisco ISE	Administration · Identity Management					0	6	٩
Identities Groups Exte	ernal Identity Source	es Identity Source S	equences	Settings				
Identity Groups	User	Identity Grou	ıps					
< 12	\$				Selected 0 T	otal 2	8	ø
> 🗀 Endpoint Identity Gro	Dups Cedit	$+$ Add 📋 Delete \vee	ي Import الله	1 Export 🗸	Quic	k Filter	~	7
> 🗅 User Identity Groups		Name	^	Description				
		fmc	×					
		FMC and FTD ReadOnly		FMC and FTD ReadOnly				
		Section 2012 FMC and FTD admins		FMC and FTD admins ISE local.				

步驟 5. 建立本地使用者並將他們增加到其對應組。導航到



> Administration > Identity Management > Identities > + Add。



步驟 5.1.首先建立具有管理員許可權的使用者。為它指定名稱、密碼和組FMC和FTD管理員。

≡ Cisco ISE	Administration · Identity Management	Q (0) 🖓 🕸
Identities Groups Ex	ternal Identity Sources Identity Source Sequences Settings	
Users Latest Manual Network Scan Res	Network Access Users List > New Network Access User	
	✓ Network Access User	
	* Username firewall_admin	
	Status Zabled V	
	Account Name Alias	
	Email	
	✓ Passwords	
	Password Type: Internal Users V	
	Password Lifetime:	
	With Expiration ①	
	Viewei Expires 🕓	
	Password Re-Enter Password	
	* Login Password	Generate Password (i)
	Enable Password	Generate Password (i)
■ Cisco ISE	Administration · Identity Management	Q (0) 🗐 🕸
Identities Groups Ex	ternal Identity Sources Identity Source Sequences Settings	
Users		
Latest Manual Network Scan Res		
	✓ User Groups	
	:: FMC and FTD admins V (1)	
		Submit Cancel

步驟 5.2.增加具有只讀許可權的使用者。分配名稱、口令和組FMC和FTD ReadOnly。

≡ Cisc	o ISE		Administration • Identity Ma	anagement		Q	0	P	٩
Identities	Groups	External Identity Sources	Identity Source Sequences	Settings					
Users Latest Manual Ne	twork Scan Res	Network Access Users Li	st > New Network Access User						
		✓ Network Acce	ss User						
		* Username	firewall_readuser						
		Status	Enabled ~						
		Account Name Alia	s	D					
		Email							
		✓ Passwords							
		Password Type:	Internal Users V						
		Password Lifetime O With Expiratio Never Expires	n ① ①						
			Password	Re-Enter Password					
		* Login Password	*****	*****	Generate Pas	sword		0	
		Enable Password			Generate Pas	sword		J	
≡ Cisc	o ISE		Administration • Identity Ma	nagement		Q	0	70	٩
Identities	Groups	External Identity Sources	Identity Source Sequences	Settings					
Users									
Latest Manual Ne	twork Scan Res								
		✓ User Groups							
		:: FMC and F							
					Submit		Cance	ł	

步驟 6.為管理員使用者建立授權配置檔案。

導航到



>策略>策略元素>結果>授權>授權配置檔案>+增加。

定義授權配置檔案的名稱,保留Access Type為ACCESS_ACCEPT,並在Advanced Attributes Settings下增加值為Administrator的Radius > Class—[25],然後按一下Submit。

■ Cisco ISE	Policy · Policy Elements			60	0
Dictionaries Conditions	Results				
Authentication ~ Allowed Protocols	Authorization Profiles > FMC and FTD Admins Authorization Profile				
Authorization \sim	* Name FMC and FTD Admins				
Authorization Profiles Downloadable ACLs	Description				
Profiling >	* Access Type ACCESS_ACCEPT ~				
Posture >	Network Device Profile 🗰 Cisco 🗸 🕀				
Client Provisioning	Service Template				

■ Cisco ISE	Policy · Policy Elements	Q	0	P	\$
Dictionaries Conditions	Results				
Authentication >					
Authorization V	✓ Advanced Attributes Settings				
Authorization Profiles	Radius:Class ~ * Administrator ~ - +				
Profiling >					
Posture >					
Client Provisioning	 Attributes Details Access Type = ACCESS_ACCEPT 		1		
	Class = Administrator	h.	-1.1.1		
	Submit		Ca	ncel	

步驟 7.重複上一步為只讀使用者建立授權配置檔案。這次使用值ReadUser而非Administrator建立 RADIUS類。

■ Cisco ISE			Policy · Policy Elements	Q	0	6	0
Dictionaries Cond	ditions	Results					
Authentication Allowed Protocols	v	Authorization Profiles > New A Authorization Profile	uthorization Profile				
Authorization	~	* Name	FMC and FTD ReadUser				
Authorization Profiles Downloadable ACLs		Description					
Profiling	>	* Access Type	ACCESS_ACCEPT ~				
Posture	>	Network Device Profile	tisco ∨⊕				
an .a		Service Template	n				

≡ Cisco IS	SE	Policy · Policy Elements	Q	0	P	ø
Dictionaries	Conditions	Results				
Authentication	>					
Authorization	~	✓ Advanced Attributes Settings				
Authorization Profile	es					
Downloadable ACLs	S	Radius:Class V ReadUser V +				
Profiling	>					
Posture	>					
Client Provisioning	>	 Attributes Details Access Type = ACCESS_ACCEPT 				
		Class = ReadUser	11.			
		Submit]	Car	ncel	

步驟 8.建立與FMC IP地址匹配的策略集。這是為了防止其他裝置向使用者授予訪問許可權。

導航到位於左上角的 >策略>策略集>



步驟 8.1.新行位於策略集的頂部。

為新策略命名,並為匹配FMC IP地址的RADIUS NAS-IP-Address 屬性增加一個頂級條件。

將第二個條件與OR結合以包括FTD的IP位址。

按一下Use以保留更改並退出編輯器。

Conditions Studio										0
Library		Editor								
Search by Name				Radius-NAS-IF	-Address					°×
	t 💎		۰	Equals v	192 168 192	60				
🗄 📄 5G	0									•
Catalyst_Switch_Local_Web_Authentication	0			Radius-NAS-IF	-Address					
🗄 📋 Source FMC	0		Ť	Equals 🗸	192.168.192.	83			=	
Switch_Local_Web_Authentication	0		+			NEW AN	D OR			
E Switch_Web_Authentication	0		Cot to "lo	noti				Destruction		
# 📑 Wired_802.1X	0		Set to is	not				Duplicate	544	
: [] Wired_MAB	0									
Wireless_802.1X	0									
: [] Wireless_Access	0									
										_

步驟 8.2.完成後按一下Save。

=	Cisco I	SE				Policy · Policy Sets					Q Ø	P	\$
Polic	y Sets						Reset	Rese	t Policyset Hi	tcounts		Save	
۲	Status	Policy Set Name	Description	Cond	litions		Allowed Protocols	/ Serve	Sequence	Hits	Actions	View	v
	Q Search												
	0	FMC and FTD Access	Management Access	OR	٥	Radius-NAS-IP-Address EQUALS 192.168.192.60	Default Network /	Access	∞ ~+	0	<ô}	,	
					9	Radius-NAS-IP-Address EQUALS 192.168.192.83					-		
	0	Default	Default policy set				Default Network A	Access	\propto +	0	<u>ينې</u>	>	

Reset Save



提示:在本練習中,我們允許預設網路訪問協定清單。您可以建立一個新清單,並根據需 要縮小其範圍。

步驟 9.透過按一下位於行末尾的



圖示來檢視新的策略集。

展開Authorization Policy選單並推送



圖示以增加新規則,以允許對具有管理員許可權的使用者進行訪問。

給它一個名字。

設定條件以匹配Dictionary Identity Group(其屬性名稱為Equals User Identity Groups: FMC and FTD admins)(在步驟4中建立的組名),然後按一下Use。

Conditions Studio

Library	Editor				
Search by Name		IdentityGroup-Name	e		\otimes
		Equals 🗸	User Identity Groups:FMC and FTD ×		
ii 🔋 5G 🕕	4		admins ~		
BYOD_is_Registered		Set to 'Is not'		Duplicate	Save
Catalyst_Switch_Local_Web_Authentication			NEW AND OR		
E Compliance_Unknown_Devices					
Compliant_Devices					
EAP-MSCHAPv2					
EAP-TLS					
E FMC and FTD Admin					

Close





圖示增加第二條規則,以允許訪問具有只讀許可權的使用者。

給它一個名字。

設定條件以匹配屬性Name Equals User Identity Groups: FMC和FTD ReadOnly(在步驟4中建立的組名)的詞典身份組,然後按一下Use。

Conditions Studio							
Library		Editor					
Search by Name			IdentityGroup-Nam	e			۲
	9 E 🔶		Equals 🗸	User Identity Groups:FMC and FTD = ReadOnly			
🗄 🖻 5G				~			
BYOD_is_Registered			Set to 'Is not'		C	Duplicate Sav	vo
Catalyst_Switch_Local_Web_Authentication				NEW AND OR			
Compliance_Unknown_Devices							
					Close	Use	

步驟 11.分別為每個規則設定授權配置檔案並點選Save。

≡ 0	Cisco IS	SE				Policy - Polic	cy S	iets					Q (0 5	8 👳
Policy	Sets→	FMC and FTD Access	5							Reset	Reset Policy	vset Hitcounts		Sa	ve
s	tatus P	olicy Set Name	Descrip	otion	Conditio	ns					Allowed Prot	ocols / Server	Seque	nce	Hits
0	Search														
	0	FMC and FTD Access	Mana	gement Access	OR	Radius·NAS·IP·Address Radius·NAS·IP·Address	EQUA	NLS 192.168.192.60			Default Net	work Access	∞ ∖	<u>+</u>	0
> Au	thenticatio	n Policy (1)													
> Au	thorization	Policy - Local Exceptions													
> Au	thorization	Policy - Global Exceptions	5												
∼ Au	thorization	Policy (3)													
								Results							
۲	Status	Rule Name	Cor	ditions				Profiles		Security (Broups		Hits	Act	ions
	Q Searct	1													
	۲	FMC and FTD read user access	А	IdentityGroup-Name E ReadOnly	EQUALS U	ser Identity Groups:FMC and FTD	•	FMC and FTD ReadUser \times	+	Select f	rom list	~+	۰	{ĝ	\$
	۲	FMC and FTD admin user access	я	IdentityGroup-Name I admins	EQUALS U	ser Identity Groups:FMC and FTD	•	FMC and FTD Admins \times	<u>+</u>	Select f	rom list	~+	۰	{ô	2
	0	Default						DenyAccess ×	+	Select f	rom list	~+	۰	{ĝ	2

FMC配置

步驟 1.在System > Users > External Authentication > + Add External Authentication Object下建立

外部身份驗證對象。

Firewall Mana System / Users / Ex	gement Center	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	Q	0	≎	🕜 adm	nin • dia	SECURE
Users User Roles	External Authentication	Single Sig	n-On (SSO)											
										Save	•	Cancel	Save	and Apply
Default User Role: None	Shell Aut	hentication	Disabled							Н	+ Add	External	Authentica	ition Object
Name											N	fethod	Enabled	
				No d	ata to Represe	nt								

步驟 2.選擇RADIUS作為「Authentication Method」。

在External Authentication Object下,為新對象指定Name。

接下來,在主伺服器設定中插入ISE IP地址和您在ISE配置的第2步中使用的同一RADIUS金鑰。

Firewall Management Cer System / Users / Create External Aut	nter Overview A	Analysis Policies	Devices	Objects	Integration	Deploy	Q	0	¢	🕜 admin 🔻	cisco SECURE
Users User Roles External Author	entication Single Sign-On (SSO)										
External Authentication Obje	ct										
Authentication Method	RADIUS •										
Name *	ISE_Radius										
Description											
Primary Server											
Host Name/IP Address *	192.168.192.90			ex. IP	or hostname						
Port *	1812										
RADIUS Secret Key *	•••••										
Backup Server (Optional)											
Host Name/IP Address				ex. IP	or hostname						
Port	1812										
RADIUS Secret Key]									
RADIUS-Specific Parameters	5										
Timeout (Seconds)	30	1									

步驟 3.插入在ISE配置的步驟6和步驟7分別為firewall_admin和firewall_readuser配置的RADIUS類屬 性值。

RADIUS-Specific Parameters	
Timeout (Seconds)	30
Retries	3
Access Admin	
Administrator	Class=Administrator
Discovery Admin	
External Database User	
Intrusion Admin	
Maintenance User	
Network Admin	
Security Analyst	
Security Analyst (Read Only)	Class=ReadUser
Security Approver	
Threat Intelligence Director (TID) User	
Default User Role	Access Admin Administrator Discovery Admin
	External Database User

To specify the default user role if user is not found in any group



注意:FTD和FMC的逾時範圍不同,因此如果您共用物件並變更預設值30秒,請確定 FTD裝置的逾時範圍不要超過較小的範圍(1-300秒)。如果將超時設定為較高的值,則威 脅防禦RADIUS配置不起作用。

步驟 4.用能夠獲得CLI訪問許可權的使用者名稱填充CLI訪問過濾器下的管理員CLI訪問使用者清單 。

完成後,按一下Save。

CLI Access Filter

(For Firewall Management Center (all versions) a for more information)	and Firewall Threat Defense (6.2.3 and 6.3), (define users for CLI access. For Firewall Threat Defense 6.4 and later, we recommend defining users on the RADIUS server. Click here
Administrator CLI Access User List	firewall_admin	ex. user1, user2, user3 (lowercase letters only).
Define Custom RADIUS At	tributes	
Additional Test Parameters		
User Name		
Password		
*Required Field		
		Cancel Test Save

步驟 5.啟用新物件。將其設定為FMC的Shell身份驗證方法,然後按一下「儲存並應用」。

Fir _{Sys}	rewall Mana stem / Users / Ex	gement Center ternal Authentication	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	Q	0	≎	🕜 adm	nin • da	secure
Users	User Roles	External Authentication	Single Sig	n-On (SSO)											
											Save	•	Cancel	Save	and Apply
Default User	r Role: None	Shell Aut	hentication 2	Enabled (ISE_I	Radius)	•]				-	⊢ Ado	I External	3 Authentica	ation Object
Name												1	dethod	Enabled	
1. ISE_R	adius											F	RADIUS		/1

FTD組態

步驟 1.在FMC GUI中,導航至裝置>平台設定。編輯您目前的原則,或建立新的原則(如果您沒有 將任何原則指派給您需要存取的FTD)。啟用External Authentication下的RADIUS伺服器,然後按 一下Save。

Firewall Management Center Overview Analysis Policies			Devices	Objects	Integration		Deploy Q	🗢 🌣 \varTheta admin 🕶	este SECURE					
Enter Description							You h	we unsaved change	e Cancel Assignments (1)					
ARP Inspection								Manage External Authentication Server						
Banner	Name D			Description			Method	Server:Port	Encryption	Enabled				
DNS							DADAUE	100 100 100 00 1010						
External Authentication	ISE_Redive							HONE BUTS	192.100.192.90(1012	10				
Fragment Settings														
HTTP Access														
ICMP Access														

步驟 2.確定您需要存取的FTD列在「Policy Assignments as a Selected Device」下。

Firewall Managemer	nt Cente Editor	Overview	Analysis	Policies	Devices	Objects	Integration		Deploy	۹	•	🕜 adm	in ▼ isco SECUR	E
FTD Policy													Save Cance	
Enter Description														
												- E	Policy Assignments	1
										Manag	e Externa	Authentica	tion Server	С
	Name	Policy Assignm	onte								~		Server:Port	
	105 0	Folicy Assignme	ento								e		100 100 100 00 101	-
	ISE_R	Targeted Devices											192.168.192.90.181	2
Fragment Settings			_											
HTTP Access		Select devices to wi	hich you want	to apply this pr	olicy.									
ICMP Access		Available Devices				Selected Device	15							
SSH Access		Q. Search by name	or value			vFTD_192.	168.192.83	Ŵ						
		vFTD_192.168.1	192.83											
SNMP														
	*Applical													
UCAPL/CC Compliance									Cano	el	OK			

步驟 3.部署變更。

licies	Devices	Objects	Integration	Deploy Q 🥝 🌣 🕜 admin 🔻 🖞
			۹	Advanced Deploy Deploy All
			-#* vFTD_192.168.192.83	Ready for Deployment
otion				C

驗證

- 測試您的新部署是否工作正常。
- 在FMC GUI中,導航到RADIUS伺服器設定,然後向下滾動到Additional Test Parameters部分。
- 輸入ISE使用者的使用者名稱和密碼,然後點選測試。

Define Custom RADIUS Attributes										
Additional Test Paramet	ters									
User Name	firewall_admin									
Password	••••••									
*Required Field										
		Cancel Test	Save							

• 成功的測試在瀏覽器窗口的頂部顯示綠色的Success Test Complete 消息。

G	Fin Cre	ewall Manager eate External Aut	ment Center	r bject O	verview	Analysis	Policies	Devices	Objects	Integration	Deploy	Q	0	¢	🛿 admin 🕶
	Users	User Roles	External A	uthentication	Single	Sign-On (SSO))								
					•	Success Test Compl	ete.		×						
	Exterr	nal Authenti	cation Ob	oject											
		Authenticati	ion Method	RADIUS		•									
			Name *	ISE_Radius											

• 有關詳細資訊,可以展開測試輸出下的Details。

Define Custom RADIUS Attributes

Additional	Test Param	eters			
	User Name	firewall_admin			
	Password	••••••			
Test Outpu	ıt				
	Show Details	*			
	User Test	check_auth_radius: szUser: firewall_admin RADIUS config file: /var/tmp/4VQqxxhXof/ra radiusauth - response: [User-Name=firewall radiusauth - response: [Class=Administrator radiusauth - response: [Class=CACS:cOa8C "firewall_admin" RADIUS Authentication OK check_is_radius_member attrib match founc role_bee2eb18-e129-11df-a04a-42c66f0a	diusclient_0.conf _admin)5a_CNaQKf8ZB2sOTPFOSbmj8V6n727Es2627TeUj2XUdA:ISE-LVILLAFR/479011358/67 1: [Class=Administrator] - [Class=Administrator] ******** 3b36:		
*Required Field					
				Cancel 1	Test

關於此翻譯

思科已使用電腦和人工技術翻譯本文件,讓全世界的使用者能夠以自己的語言理解支援內容。請注 意,即使是最佳機器翻譯,也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準 確度概不負責,並建議一律查看原始英文文件(提供連結)。