澄清FMC上FTD的內嵌集順序

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簡介

本文檔說明內聯集的介面順序不同的原因,即使介面命名約定對所有集都相同。

必要條件

需求

思科建議您瞭解以下主題:

- 安全防火牆威脅防禦(FTD)
- 安全防火牆管理中心(FMC)
- 安全防火牆可擴充作業系統(FXOS)
- REST-API

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- 安全防火牆威脅防禦7.2.5.1版
- 安全防火牆管理器中心版本7.2.5.1
- 安全防火牆可擴充作業系統2.12(1.48)
- 安全防火牆機箱管理員(FCM)

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。

分析

案例示例

在本範例中,具有六(6)個介面的FTD是以內嵌配對設定:

Ethernet1/1 (Inside-A) Ethernet1/2 (Outside-A) Ethernet1/3 (Inside-B) Ethernet1/4 (Outside-B) Ethernet1/5 (Inside-C) Ethernet1/6 (Outside-C)

Firewall Management Ce Devices / Secure Firewall Interface	enter _{Overvie}	w Analysi:	s Policies	Devices	Objects	Integration		Deploy	ৎ 🦨	\$	🛿 admin	↓ altalta cisco	SECURE
FTD Cisco Firepower 4110 Threat Defense Device Routing Interfaces	Inline Sets DHC	p VTEP										Save	Cancel
							Q Search by name					Add Inter	faces 🔻
Interface	Logical Name	Туре	Security Zones	MAC A	Idress (Active/S	itandby)	IP Address	ſ	Path Monito	ring	Virtual Rout	ter	
12 Ethernet1/1	Inside-A	Physical						(Disabled				/
12 Ethernet1/2	Outside-A	Physical						ſ	Disabled				1
SEthernet1/3	Inside-B	Physical						C	Disabled				/
Sethernet1/4	Outside-B	Physical						ſ	Disabled				/
SEthernet1/5	Inside-C	Physical						C	Disabled				/
🕏 Ethernet1/6	Outside-C	Physical						C	Disabled				/
Ethernet1/8	diagnostic	Physical						ſ	Disabled		Global		/
						Displaying 1	-7 of 7 interfaces < < Pa	age 1				of 1 >	ж

FTD介面清單

計畫為每個對配置從Inside到Outside的內聯集,這將導致進行下一個設定:

Inline Set A: Inside-A <-> Outside-A
Inline Set B: Inside-B <-> Outside-B
Inline Set C: Inside-C <-> Outside-C

使用者希望介面的順序按介面邏輯名稱或介面物理名稱的字母順序顯示。不過,此設定會產生不同 的順序,如下圖所示:

Firewall Management Center Devices / Secure Firewall InlineSets	Overview /	Analysis Polici	es Devices	Objects	Integration	Deploy Q 🥂	🔅 ? admin - 🖓 🔅 SECURE
FTD							Save Cancel
Cisco Firepower 4110 Threat Defense							
Device Routing Interfaces Inline S	ets DHCP VI	TEP					
Name	Interface Pairs						
A	Inside-A<->Outside-A						/1
B	Inside-B<->Outside-B						/1
c	Outside-C<->Inside-C	;					/1
						Displaying 1-3 of 3 rov	vs K < Page 1 of 1 > > C

FTD內嵌集

使用者注意到,內聯集C的順序與其他兩個內聯集不同。



注意:請注意,內聯集介面對順序不會導致任何通訊或操作問題,但出於美學考慮,這可 能令人擔憂。

說明

內聯集介面順序不是按名稱分配的,而是按ID分配的,透過REST-API進行驗證。

步驟 1.要驗證這一點,需要訪問FMC REST-API資源管理器。這是透過存取下一個URL語法來達成 :

https://FMC IP/api/api-explorer

÷	\rightarrow	С	۵		🔿 🤷 🗠 ht	ps:// 10.88.243.58 :43	010/api/api-explorer/									ជ		⊌	ර ≡
illi CIS	ilii co													Download O	AS 2.0 Spec	Downloa	ad OAS 3.0 Spe	ic i	Logout
	C		CO 3.json	Firewa	all Mar	nageme	nt Cente	er Op	oen A	API S	Spe	cific	atio	on 📶 🗠	53				
	Sp	ecifies	s the RE	ST URLs and m	methods suppor	ed in the Cisco Fir	ewall Management Ce	enter API. R	Refer to the	e version s	pecific R	EST API Q	uick Starl	t Guide for additi	onal informati	on.			
	Cis Ser Cis	co Tec nd ema co Fire	chnical A ail to Cis rewall Ma	ssistance Cente co Technical Ass nagement Cente	ter (TAC) - Website ssistance Center (nter Licensing	TAC)													
	Dor	nains Iobal			~														
	Т	rou	ubles	hoot														>	
	N	letv	work	Мар														>	
	C	Devi	ices															>	

FMC REST-API資源管理器

步驟 2.導航到裝置並展開選單。

Domains Global ~	
Troubleshoot	>
Network Map	>
Devices	~
GET /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{objectId}	
PUT /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{objectId}	
DELETE /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{objectId}	
GET /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords	
POST /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords	
GET /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/fpphysicalinterfaces/{objectId}	
PUT /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/fpphysicalinterfaces/{objectId}	
GET /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/fplogicalinterfaces/{objectId}	
PUT /api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/fplogicalinterfaces/{objectId}	

裝置功能表

步驟 3.導航到GET選項:

/api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets



內嵌集GET選項

步驟 4.按一下Try it Out按鈕。

PUT /api/fmc_com	fig/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets/{objectId}
DELETE /api/fmc_co	nfig/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets/{objectId}
GET /api/fmc_com	fig/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets
Retrieves, deletes, creates,	or modifies the inline set associated with the specified NGIPS device ID and inline set ID. If no inline set ID is specified, retrieves list of all inline sets associated with the specifie
NGIPS device ID.	
Parameters	Try it out
Name	Description
Name containerUUID * required string (soth)	Description The container id under which this specific resource is contained.
Name containerUUID * required string (path)	Description The container id under which this specific resource is contained. bf03d7e0-bdef-11ee-be2a-b0be30d93c81
Name containerUUID * required string (path) domainUUID * required string (cash)	Description The container id under which this specific resource is contained. bf03d7e0-bdef-11ee-be2a-b0be30d93c81 Domain UUID
Name containerUUID * required string (poth) domainUUID * required string (poth)	Description The container id under which this specific resource is contained. bf03d7e0-bdef-11ee-be2a-b0be30d93c81 Domain UUID e276abec-e0f2-11e3-8169-6d9ed49b625f

內嵌集GET Try it Out按鈕

步驟 5.用FTD UUID替換containerUUID欄位(透過FTD命令列中的show version命令顯示),然後按一下

Execute。

Name	Description
containerUUID * required string	The container id under which this specific resource is contained.
(parity)	bf03d7e0-bdef-11ee-be2a-b0be30d93c81
domainUUID * required string (path)	Domain UUID
	e276abec-e0f2-11e3-8169-6d9ed49b625f
Offset integer(\$int32) (query)	Index of first item to return.
	offset - Index of first item to return.
limit integer(\$int32) (query)	Number of items to return.
	limit - Number of items to return.
expanded boolean (query)	If set to true, the GET response displays a list of objects with additional attributes.

內嵌集執行

步驟 6.向下滾動到Response Body並複製故障排除所需的介面ID,在本例中為Inline Set C。

"id": "005056B3-BB52-0ed3-0000-021474837838",

Code	Details
200	Response body { "name": "A", "ad": "A", "id": "05958-8852-0xd3-0000-021474837758", "type: "InlineSet",
	<pre>"self": "https://10.88.243.58:43010/api/fmc_config/v1/domain/e276abec-e0f2-11e3-8169-6d9ed49b625f/devices/devicerecords/bf03d7e0-bdef-11ee-be2a-b0be30d93c81/inlinesets/00505683-8852-0ed3-000 0-022474837758" } }, { "name": "8", "idf": "005055683-8852-0ed3-0000 -0.21474837837", "type": "Tainine5et", "inline5et", "inline5et", "inline5et", "inline5et", "inline5et", "inline5et", "exter": "Nttps://10.88.243.58:43010/api/fmc_config/v1/domain/e276abec-e0f2-11e3-8169-6d9ed49b625f/devices/devicerecords/bf03d7e0-bdef-11ee-be2a-b0be30d93c81/inlinesets/00505683-8852-0ed3-000 0-021474837837", "type": "Tainine5et", "inline5et", "inline5</pre>
	<pre>} } { anae*: "C", "name*: "C", "id": "05055683-8852-0ed3-0000-021474837838", "type: "Taina6st", "inas*: { "sype: "Taina6st", "links: { "stif: "https://10.88.243.58:43010/api/fmc_config/v1/domain/e276abec-e0f2-11e3-8169-6d9ed49b635f/devices/devicerecords/bf03d7e0-bdef-11ee-be2a-b0be30d93c81/inlinesets/00505683-8852-0ed3-000</pre>
	(2) Download

內嵌集GET回應主體

步驟 7. 導航到GET選項:

/api/fmc_config/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets/{objectId}



內嵌集GET物件ID

步驟 8. 按一下Try it Out按鈕。

GET /api/fmc_cor	nfig/v1/domain/{domainUUID}/devices/devicerecords/{containerUUID}/inlinesets/{objectId}
Retrieves, deletes, creates NGIPS device ID.	, or modifies the inline set associated with the specified NGIPS device ID and inline set ID. If no inline set ID is specified, retrieves list of all inline sets associated with the specified
Parameters	Try it out
Name	Description
objectId * required string (path)	Unique identifier of an inline set.
	objectId - Unique identifier of an inline set.
containerUUID * required string (poth)	The container id under which this specific resource is contained.
	containerUUID - The container id under which
domainUUID * required	Domain UUID
(path)	

內嵌集GET物件ID試用

步驟 9.使用步驟6中選取的ID取代objectId欄位,並使用「步驟5」中使用的FTD UUID取代containerUUID。然後,按一下Execute按 鈕。

NGIPS device ID.	s, or monutes ma munu ser associated with the sharman usics nearer in and munu ser in its munu ser in is sharman' tantakes usi of an munu sers associated with mu	e shecilleri
Parameters		Cancel
Name	Description	
<pre>objectId * required string (path)</pre>	Unique identifier of an inline set. 005056B3-BB52-0ed3-0000-021474837838	
<pre>containerUUID * required string (path)</pre>	The container id under which this specific resource is contained. bf03d7e0-bdef-11ee-be2a-b0be30d93c81	
domainUUID * required	Domain UUID	
(para)	e276abec-e0f2-11e3-8169-6d9ed49b625f	
	Execute	
Responses		
Code Description		Links
200		No links

內嵌集GET物件辨識碼執行

步驟 10.驗證REST-API查詢的響應正文。

https:/	//10.88.243.58:43010/api/fmc_config/v1/domain/e276abec-e0f2-11e	3-8169-6d9ed49b625f/devices/devicerecords/bf03d7e0-bdef-llee-be2a-b0be30d93c81/inlinesets/00585683-8852-0ed3-0000-021474837838
Server re	sponse	
ode	Details	
200	Response body	
	<pre>'id' '0000603-0852-0623-0603-0600-021474837638', 'bype' 'linies'', 'linies'', 'syset' 'linies', 'yyses', false, 'pysset', false, 'failopenSortBusy', false, ''supe', 'PhysicalInterface'', ''syset', 'PhysicalInterface'', ''supe', 'PhysicalInterface'', ''supe', 'PhysicalInterface'', ''supe', 'PhysicalInterface'', ''supe', 'PhysicalInterface'', ''supe', 'PhysicalInterface'', ''supe', ''supe',</pre>	:/domain/e276abec-e0f2-11e3-8169-6d9ed49b625f/devices/devicerecords/bf03d7e0-bdef-11ee-be2a-b0be30d93c81/inlinesets/00505683-8852-0ed3-0000-0214
	<pre>"second": { "id": "0005683-8852-0ed3-0000-021474837340", "name": "Ethernet1/5", "type": "PhysicalInterface"]], "tute: 1500, Texponce header</pre>	Commissed

內嵌集GET物件ID回應主體

Interface Ethernet1/6被增加為內聯集的第一個元件, Ethernet1/5被增加為第二個元件。這是因為為Ethernet1/6分配的介面ID的字母順序 低於Ethernet1/5。這將驗證FMC為內聯集上的介面分配採用的邏輯。

因應措施

介面ID由FXOS在邏輯裝置建立時分配,因此,需要在FXOS級別刪除介面,然後按所需順序讀取介面,以便再次分配ID。



警告:下一個解決方法僅適用於FPR4100和FPR9300系列,其他任何安全防火牆硬體都需要重新映像。此外,此解決方法 會中斷流量,因此強烈建議使用FMC、FTD和FXOS備份以及計畫維護窗口。

步驟 1.登入FMC並刪除下一個路徑上有問題的內嵌集:

Devices > Device Management > Edit the desired FTD > Inline Sets.

FEP Conception review Routing Interface Interface name Interface Interface Interface A Interface Interface Interface B Interface Interface Interface C Outside Outside Interface C Outside Outside Interface Displaying 1-3 of 3 rows [C < Page 1] of 1 > 0 C C Displaying 1-3 of 3 rows [C < Page 1] of 1 > 0 C	F	irewall Management C avices / Secure Firewall InlineSet	enter ^{ts}	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	۹	🖍 🕹	⑦ admin ▼ ^{albedic} SECURE
Device Routing Interfaces DHCP VTEP A Interface Pairs A Inside-Ac->Outside-A B Inside-Bc->Outside-B C Outside-C Outside-C Displaying 1-3 of 3 rows	FTD	nnouar 4110 Thrast Dalansa											Save Cancel
A Interface Pairs A Inside-A<>Outside-A B Inside-B C Outside-C<	Device	Routing Interfaces	Inline Sets	DHCP	VTEP								
Name Interface Pairs A Inside-A<->Outside-A B Inside-B C Outside-C													Add Inline Set
A Inside-A<->Outside-A ✓ T B Inside-B ✓ T C Outside-C<->Inside-C ✓ T Displaying 1-3 of 3 rows. < < Page 1	Name		Inte	rface Pairs									
B Inside-B ✓ i C Outside-C ✓ i ✓ i ✓ i Displaying 1-3 of 3 rows. K < Page 1 of 1 >> X C	Α		Insid	de-A<->Outsid	ie-A								/1
C Outside-C<->Inside-C Displaying 1-3 of 3 rows < < Page 1 of 1 >> C	в		Insid	de-B<->Outsid	le-B								/1
Displaying 1-3 of 3 rows < < Page 1 of 1 > > ℃	с		Outs	side-C<->Insid	de-C								∕∎
Displaying 1-3 of 3 rows < < Page 1 of 1 > > C													
Displaying 1-3 of 3 rows < < Page 1 of 1 > > ℃													
Displaying 1-3 of 3 rows < < Page 1 of 1 > > C													
Displaying 1-3 of 3 rows < < Page 1 of 1 > > C													
										Displaying 1-	-3 of 3	rows K	< Page 1 of 1 > > C

內嵌集刪除

步驟 2.儲存變更並進行部署。

Firewall Management Center Devices / Secure Firewall InlineSets	Overview Analysis Po	Policies Devices Objects Integration	Deptoy Q 🦧 🌣 🎯 admin 🕶 🖓 secure
FTD Cisco Firepower 4110 Threat Defense Device Routing Interfaces Inline Sets	DHCP VTEP		You have unsaved change: Save Cancel
Name	terface Pairs		
A In:	side-A<->Outside-A		/1
B	side-B<->Outside-B		/1
			Displaying 1-2 of 2 rows K < Page 1 of 1 > > C

內嵌集刪除部署

步驟 3.登入裝置FCM並導航到邏輯裝置並編輯所需的邏輯裝置。

c	Verview	Interfaces	Logical Devices	Security Engine	Platform Setti	ngs					System Tools	Help admin
Lo	gical Devic	e List			(1 Native i	nstance) 0% (0 of 22) Cores A	wailable				C Refresh (Add •
	FTD-1			Standalone	Status:ok							
	Applicat	ion	Version	Resource	Profile	Management IP	Gateway	Manag	ement Port	Status		
	FTD		7.2.5.1.29			10.88.171.89	10.88.171.1	Etherne	t1/8	Online	~	¢
		Interface Name				Туре	,	Attributes				
		Ethernet1/1				data		Cluster Operational Statu	us : not-applicable			
		Ethernet1/2				data		FIREPOWER-MGMT-IP	: 10.88.171.89			
		Ethernet1/3				data		HA-ROLE	: nttps:// : standalone			
		Ethernet1/4				data		UUID	: bf03d7e0-bdef-11ee-	be2a-b0be30d93c81		
		Ethernet1/5				data						
		Ethernet1/6				data						

步驟 4.移除屬於有問題內嵌集的兩個介面(在本範例中為Ethernet1/5和Ethernet1/6),然後儲存變更。

Ove	rview Interfaces	Logical Devices Sec	urity Engine	Platform Settings					System Tools	Help admin
Editi Stan	ng - FTD-1 dalone Cisco Secu	re Firewall Threat Defense	e 7.2.5.1.29						Save	Cancel
Data	Ports	•								
Ethe	rnet1/1									
Ethe	rnet1/2									
Ethe	rnet1/3									
Ethe	rnet1/4 rnet1/5	1		Ethernet1/6			-			
Ethe	rnet1/6			Ethernet1/4			-			
Ethe	rnet1/7			Ethernet1/5	<u> </u>		- 2			
				Ethernet1/2			FTD - 7.2.5.208 Ethernet1/8			
				Ethernet1/3			Cick to configure			
Decor	rators	•		Ethernet1/1			-			
A	pplication	Version	Resource Pro	ofile Managemer	t IP	Gateway	Management Port	Status		
e F	TD	7.2.5.1.29		10.88.171.89		10.88.171.1	Ethernet1/8	online		
	Interface Name			Туре						
	Ethernet1/1			data						
	Ethernet1/2			data						
	Ethernet1/3			data						

內嵌集介面移除

步驟 5.在FMC上,導航到裝置>裝置管理,編輯所需的FTD,然後導航到介面頁籤,點選同步裝置按鈕,儲存更改並進行部署。

Firewall Management Ce Devices / Secure Firewall Interface	enter S	w Analysis	Policies	Devices	Objects	Integration		Deploy	۹	🤌 🌣	🕐 admin	• Industria	SECURE
FTD Cisco Firepower 4110 Threat Defense Device Routing Interfaces	Inline Sets DHC	P VTEP									d change:	Save	Cancel
Interface configuration has changed on	device. Click to know I						Q Search by name			Sync	Device	Add Inte	rfaces 🔻
Interface	Logical Name	Туре	Security Zones	MAC Ad	Idress (Active/S	tandby)	IP Address		Path M	onitoring	Virtual Rout	er	
the Ethernet1/1	Inside-A	Physical							Disable	đ			1
to Ethernet1/2	Outside-A	Physical							Disable	đ			/
to Ethernet1/3	Inside-B	Physical							Disable	d			/
thernet1/4	Outside-B	Physical							Disable	đ			/
Sthernet1/5	Inside-C	Physical							Disable	d	Global		
😑 🕏 Ethernet1/6	Outside-C	Physical							Disable	đ	Global		
Ethernet1/8	diagnostic	Physical							Disable	d	Global		1
						Displaying	1-7 of 7 interfaces < < Pa	age 1				or 1 >	

移除後內嵌集FTD同步

步驟 6.再次編輯邏輯裝置,再次新增第一個介面(Ethernet1/5),然後儲存變更。

Standalone Gisco Secure Firewall Ihreat Defense 7.2.5.1.29 Sore Cocc Dispersitivity Image: Comparison of Compari	0	verview Interfaces	Logical Devices Secur	ity Engine Platform Set	ttings					System Tools	Help admin
Data Ports Ethernest/1 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/4 Ethernest/4 Ethernest/4 Ethernest/2 Ethernest/4 Ethernest/4 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/2 Ethernest/1 FTD: 72:0 72:0 72:0 72:0 72:0 72:0 73:0 10:08:172.10? 10:08:172.12?	Ed St	diting - FTD-1 tandalone Cisco Secu	re Firewall Threat Defense	7.2.5.1.29						Save	Cancel
Ethernet1/1 Ethernet1/2 Ethernet1/3 Ethernet1/4 Ethernet1/6 Ethernet1/2 Ethernet1/7 Ethernet1/2 Ethernet1/7 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/2 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3 Ethernet1/3	Da	ata Ports									
Ethernet1/2 Ethernet1/3 Ethernet1/3 Ethernet1/2 Ethernet1/7 Ethernet1/2 Ethernet1/7 Ethernet1/2 Ethernet1/3 Ethernet1/3 Ethernet1/1 Ethernet1/3 Ethernet1/3 Ethernet1/3	E	themet1/1									
Ethernet1/3 Ethernet1/6 Ethernet1/6 Ethernet1/7	E	thernet1/2									
Ethemet1/3 Ethemet1/2 Image: second	E	thernet1/3									
Ethemet1/3 Ethemet1/4 Ethemet1/4 Ethemet1/2 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Cick to configure Type Itherface Name PTD 7.2.5.1.29 10.88.171.19 10.88.171.11 Ethemet1/8 online	E	themet1/4									
Ethemet1/7 Ethemet1/7 Ethemet1/2 Ethemet1/2 Ethemet1/2 Ethemet1/2 Ethemet1/1	E	themet1/5			Ethernet1/4			_			
Ethemet1/7 Ethemet1/2	E	themet1/6				(internet)					
PEthemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/3 Ethemet1/1 Ethemet1/2 Ethemet1/1 Ethemet1/2 <	E	thernet1/7			Ethernet1/2						
Application Version Resource Profile Management IP Gateway Management Port Status PTD 7,2,5,1,29 10.88,171.19 10.88,171.11 Ethernet1/8 online Type Ethernet1/1					Ethernet1/3			FTD - 7.2.5.208 Ethernet1/8 Click to configure			
Application Version Resource Profile Management IP Gateway Management Port Status FTD 7.2.5.1.29 10.88.171.09 10.88.171.1 Ethernet1/8 online Interface Name Type Interface Name data	De	ecorators			Ethernet1/1			_			
Application Version Resource Profile Management IP Gateway Management Port Status Image: Transmetric Status 7.2.5.1.29 10.88.171.09 10.88.171.1 Ethernet1/8 online Image: Transmetric Status Type data data data data											
Application Version Resource Profile Management IP Gateway Management Port Status Th 7.2.5.1.29 10.88.171.09 10.88.171.1 Ethernet1/8 online Interface Name Type Imberting Import data											
Application Version Resource Profile Management IP Gateway Management Port Staus Th 7.2.5.1.29 10.88.171.09 10.88.171.1 Ethernet1/8 online Interface Name Type 34 54 54 54											
Application Version Resource Profile Management IP Gateway Management Port Status Image: Transmission of the product of the produc											
FTD 7.2.5.1.29 10.88.171.89 10.88.171.1 Ethernet1/8 online Interface Name Type Image: Comparison of the state of		Application	Version	Resource Profile	Managemen	IP	Gateway	Management Port	Status		
Interface Name Type B Ethernet1/1 data	•	FTD	7.2.5.1.29		10.88.171.89		10.88.171.1	Ethernet1/8	online		
Ethernet1/1 data		Interface Name			Туре						
		Ethernet1/1			data						
Ethernet1/2 data		Ethernet1/2			data						
Ethernet/3 data		Ethernet1/3			data						

```
內聯集第一個介面增加
```

步驟 7.點選 Sync Device 按鈕,儲存更改,然後再次部署。

Firewall Management Center Devices / Secure Firewall Interfaces	Overview Analysi	s Policies	Devices	Objects Inte	egration		Deploy	۹.	🥐 🌣	🕜 admin	▼ altalia cisco	SECURE
FTD Cisco Firepower 4110 Threat Defense Device Routing Interfaces Inline Sets	DHCP VTEP									d change	Save	Cancel
Interface configuration has changed on device. Click to						Q Search by name			Sync	Device	Add Inter	faces 🔻
Interface Logical Nam	ае Туре	Security Zones	MAC Ad	dress (Active/Standt	by) IP Add	dress		Path Mo	nitoring	Virtual Rout	er	
Ethernet1/1 Inside-A	Physical							Disabled	1			1
Ethernet1/2 Outside-A	Physical							Disabled	1			/
& Ethernet1/3 Inside-B	Physical							Disablee	1			/
Ethernet1/4 Outside-B	Physical							Disabled	1			1
Ethernet1/5 Inside-C	Physical							Disabled	1	Global		/
😑 🕏 Ethernet1/6 Outside-C	Physical							Disabled	1	Global		
Ethernet1/8 diagnostic	Physical							Disabled	1	Global		1
				Di	nolavina 1-7 ef 2	interfaces // / B	1					N C

第一個介面新增後的FTD同步

步驟 8.再次編輯邏輯裝置,再次新增第一個介面(Ethernet1/6),然後儲存變更。

	System Tools Help admin
Editing - FTD-1 Standalone Cisco Secure Firewall Threat Defense 7.2.5.1.29	Save Cancel
Data Ports	
Ethernet1/1	
Ethernet1/2	
Ethernet1/3	
Ethernet1/4	
Ethernet1/4 Ethernet1/4	
Ethernet1/6	
Ethernet1/7 Ethernet1/5	
Ethernet1/2 FTD - 7.2.5.208	
Ethernet1/3	
Decorators Ethernet1/1	
Application Version Resource Profile Management IP Gateway Management Port Status	
P FTD 7.2.5.1.29 10.88.171.69 10.88.171.1 Ethemet1/8 online	
Interface Name Type	
Ethernet1/1 data	
Ethernet1/2 data	
Ethernet1/3 data	

步驟 9. 透過按一下Sync Device 按鈕,儲存更改,然後進行部署,重複步驟5。

Firewall Management Center Devices / Secure Firewall Interfaces	Overview Ana	lysis Policies	Devices	Objects	Integration		Deploy Q	🖉 🔅	🕜 admin -	cisco SI	ECURE
FTD Cisco Firepower 4110 Threat Defense Device Routing Interfaces Inline Set	s DHCP VTEP								ed change	Save	Cancel
Interface configuration has changed on device. Clic	k to know more.					Q Search by name		Sync	Device	Add Interfa	ces 🔻
Interface Logical N	ame Type	Security Zones	MAC Ad	ddress (Active/S	Standby)	IP Address	Path	Monitoring	Virtual Route	r	
the Ethernet 1/1 Inside-A	Physical						Disat	led			/
& Ethernet1/2 Outside-A	Physical						Disat	led		,	/
thernet1/3 Inside-B	Physical						Disat	led		,	/
the Ethernet1/4 Outside-B	Physical						Disat	led		,	/
thernet1/5 Inside-C	Physical						Disat	led	Global	,	/
🗢 🏂 Ethernet1/6	Physical						Disat	led			
Ethernet1/8 diagnostic	Physical						Disat	led	Global	,	/
					Displaying 1	-7 of 7 interfaces I < Pa	nge 1			of 1 > >	C

第二次介面增加後的FTD同步

步驟 10.使用與之前相同的引數配置介面,然後再次增加內聯集。

內嵌集第二個介面新增

Firewall Management Ce Devices / Secure Firewall InlineSets	enter Overview Analys	s Policies De	Devices Objects	Integration	Deptoy Q 🦧 🌣 🕜 admin 🕇 🕬 SECURE
FTD					You have unsaved changes Save Cancel
Device Routing Interfaces	Inline Sets DHCP VTEP				
Name	Interface Pairs				
A	Inside-A<->Outside-A				/1
в	Inside-B<->Outside-B				/1
c	Inside-C<->Outside-C				/1
					Displaying 1-3 of 3 rows $ \langle \langle Page 1 \rangle$ of 1 $\rangle > C$

內嵌集配置

這一次,內聯集介面順序按預期方式顯示。儲存變更並最後部署一次。



注意:本文檔的「案例示例」部分將重複執行,以驗證介面ID現在的順序是否正確。

相關資訊

• <u>思科技術支援與下載</u>

關於此翻譯

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