使用Firepower迁移工具从ASA配置文件配置FTD

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简介

本文档介绍自适应安全设备(ASA)到Firepower威胁防御(FTD)在FPR4145上迁移的示例。

先决条件

要求

Cisco 建议您了解以下主题:

- ASA的基本知识
- Firepower管理中心(FMC)和FTD知识

使用的组件

本文档中的信息基于以下软件和硬件版本:

- ASA 9.12(2) 版
- FTD版本6.7.0
- FMC版本6.7.0
- Firepower迁移工具版本2.5.0

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景信息

以.cfg或.txt格式导出ASA配置文件。FMC应部署为在其下注册的FTD。

配置

1.如图所示,从<u>software.cisco.com下</u>载Firepower迁移工具。

CISCO Products & Services	Support	How to Buy	Training & Events	Partners	Employees		Carel D'Sou	~ ଉ ଡ୍ଟି ୭ ୦ ୭
Software Down		eration Firewalls (NGFV	i) / Firepower NGPW Vi	itual / Firepowe	r Migration Tool (F	MT)- 2.5.0		
(Q. Search Expand All Collapse All Latest Release 2.5.0		Firepower Release 2.5.0	er NGFW V	'irtual		Related Links Open Source Release Notes for 3 Install and Upgrade	and Documentation 2.5.0 e Guides	n
All Release	č	File Information				Release Date	Size	
25.0 2.4.1 2.4.0		The extractor will configurations with Migration Tool. FMT-CP-Config-Ext Advisories C	be used to extract c nich will be used as a tractor_v2.5-6263.exe	heckpoint devi n input to Firep	ce-specific sower	15-Nov-2021	9.83 MB	±₩∎
2.3.5		Firepower Migration	ion Tool 2.5 for Mac n_Tool_v2.5-6263.com	mand		15-Nov-2021	34.05 MB	±∀∎
		Firepower Migrati Firepower_Migratio Advisories 😭	ion Tool 2.5 for Wind n_Tool_v2.5-6263.exe	ows		15-Nov-2021	34.73 MB	±₩∎

2.查看并验证"Firepower迁移工具的指<u>南和限制"</u>一节中的要求。

3.如果计划迁移大型配置文件,请配置睡眠设置,以便系统在迁移推送期间不进入睡眠状态。

3.1.对于Windows,导航至"控制面板"中的"电源选项"。单击**当前电源计**划旁边的更改计划设置。更 改**将计算机置于睡眠状**态**为"不**"。单**击"保存更改**"。

3.2.对于MAC,导航至**系统首选项>节能**。勾选旁边的框,防止计算机在显示关闭时自动睡眠,并将 滑块后的"关闭显示**"拖**动到"从不"。

注意:此警告,当MAC用户尝试打开下载的文件时,会弹出对话框。请忽略此警告,然后执 行步骤4 A。



4. A.对于MAC — 使用终端并运行这些命令。

CAROLDSO-M-WGYT:~ caroldso\$ cd Downloads/ CAROLDSO-M-WGYT:Downloads caroldso\$ chmod 750 Firepower_Migration_Tool_v2.5-6263 .command CAROLDSO-M-WGYT:Downloads caroldso\$./Firepower_Migration_Tool_v2.5-6263.command [75653] PyInstaller Bootloader 3.x [75653] LOADER: executable is /Users/caroldso/Downloads/Firepower_Migration_Tool _v2.5-6263.command [75653] LOADER: homepath is /Users/caroldso/Downloads [75653] LOADER: homepath is /Users/caroldso/Downloads [75653] LOADER: mEIPASS2 is NULL [75653] LOADER: archivename is /Users/caroldso/Downloads/Firepower_Migration_Too 1_v2.5-6263.command [75653] LOADER: archivename is /Users/caroldso/Downloads/Firepower_Migration_Too 1_v2.5-6263.command [75653] LOADER: Cookie found at offset 0x219AE08 [75653] LOADER: Extracting binaries [75653] LOADER: Extracting binaries 127.0.0.1 - - [23/Nov/2021 14:49:47] "GET /inline.318b50c57b4eba3d437b.bundle.js HTTP/1.1" 200 -127.0.0.1 - - [23/Nov/2021 14:49:47] "GET /cui-font.880241c0aa87aa899c6a.woff2 H TTP/1.1" 200 -2021-11-23 14:49:47,999 [INFO | cco_login] > "EULA check for an user" 127.0.0.1 - - [23/Nov/2021 14:49:48] "GET /assets/cisco.svg HTTP/1.1" 200 -2021-11-23 14:49:48,013 [DEBUG | common] > "session table records count:1" 127.0.0.1 - [23/Nov/2021 14:49:48] "GET /api/eula_check HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /api/eula_check HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/icons/login.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/images/1.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/images/3.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/images/2.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/images/2.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /assets/images/2.png HTTP/1.1" 200 -127.0.0.1 - [23/Nov/2021 14:49:48] "GET /favicon.ico HTTP/1.1" 200 -

4. B.对于Windows — 双击Firepower迁移工具,在Google Chrome浏览器中启动它。

5.接受许可证,如图所示。

 ← → C △ ○ localhost:8888/#/eula ↓↓↓↓↓ Firepower Migration Tool 	
END USER LICENSE AGREEMENT	
This is an agreement between You and Cisco Systems, Inc. or its affiliates ("Cisco") and governs your Use of Cisco Software. "You" and "Your" means the individual or legal entity licensing the Software under this EULA. "Use" or "Using" means to download, install, activate, access or otherwise use the Software. "Software" means the Cisco computer programs and any Upgrades made available to You by an Approved Source and licensed to You by Cisco. "Documentation" is the Cisco user or technical manuals, training materials, specifications or other documentation applicable to the Software and made available to You by an Approved Source. "Approved Source" means (i) Cisco or (ii) the Cisco authorized reseller, distributor or systems integrator from whom you acquired the Software. "Entitlement" means the license detail; including license metric, duration, and quantity provided in a product ID (PID) published on Cisco's price list, claim certificate or right to use notification. "Upgrades" means all updates, upgrades, bug fixes, error corrections, enhancements and other modifications to the Software and backup copies thereof. This agreement, any supplemental license terms and any specic product terms at www.cisco.com/go/softwareterms (collectively, the "EULA") govern Your Use of the Software.	
1. Acceptance of Terms. By Using the Software, You agree to be bound by the terms of the EULA. If you are entering into this EULA on behalf of an entity, you represent that you have authority to bind that entity. If you do not have such authority or you do not agree to the terms of the EULA, neither you nor the entity may Use the Software and it may be returned to the Approved Source for a refund within thirty (30) days of the date you acquired the Software or Cisco product. Your right to return and refund applies only if you are the original end user licensee of the Software.	
2. License. Subject to payment of the applicable fees and compliance with this EULA, Cisco grants You a limited, non-exclusive and non-transferable license to Use object code versions of the Software and the Documentation solely for Your internal operations and in accordance with the Entitlement and the Documentation. Cisco licenses You the right to Use only the Software You acquire from an Approved Source. Unless contrary to applicable law. You are not licensed to Use the Software on	
I have read the content of the EULA and SEULA and agree to terms listed.	
Proceed	

6.在Firepower迁移工具的登录页面上,点击使用CCO登录链接,使用您的单点登录凭证登录 Cisco.com帐户。

注意:如果您没有Cisco.com帐户,请在Cisco.com登录页上创建该帐户。使用以下默认凭证 登录:用户名 — 管理员密码 — 管理员123。

Redirecting	
You will be redirected to the Cisco login Please login with your CCO credentials.	
Do it later Continue	

7.选择源配置。在此场景中,它是Cisco ASA(8.4+)。



8.如果您没有与ASA的连接,请选择Manual Upload。否则,您可以从ASA检索运行配置并输入管理 IP和登录详细信息。在我们的方案中,手动上传。

← → C △ ③ localhost.8888/Whome		* 💊
cisco Firepower Migration Tool		
Extract Cisco ASA (8.4+) Information	, in the second s	
Extraction Methods		
Manual Upload File format is '.cfg' or '.bd'. For Multi-context upload a show tech. For Single-context upload show running. Do not upload hand coded configurations.	Connect to ASA Enter the management IP address and connect using admin credentials. IP format should be: <ip.port>. ASA IP Address/Hostname</ip.port>	
Upload	Connect	

注意:如果文件不受支持,则会出现此错误。请确保将格式更改为纯文本。(尽管扩展名为 .cfg,但仍会出现错误。)



9.上传文件后,将解析元素,提供摘要,如图所示:

cisco	Firepower Migration Tool					000
	Extract Cisco ASA (8.4+) Information	0			Source: Cisco ASA (8.4	•)
	Extraction Methods)	>
	Manual Uplead: ASAConfg dg tit					
	Context Selection)	>
	Selected Context: Single Context Mode					
	Parsed Summary				~	<pre>/</pre>
	Collect Hiteounts: No. Hitcourt information is only available	when connected to a live ASA.				
	20	8	8		14	
	Access Control Lines	Network	Otjacis		Purl Objects	
	8 Logical Interfaces	9 Date Haves	4 Network Address Translat	ion	1 Site 40 Site VPN Turness	
	Pre-migration report will be available after selecting the land	215.				

10.输入ASA配置要迁移到的FMC IP和登录凭证。确保FMC IP可从您的工作站访问。

cisco	Firepower Migration Tool	000
	Select Target ()	Source: Cisco ASA (8.4+)
	Connect to FMC	~
	FMC IP Address/Hostrame	
	10.100.52.10	
	Connext	
	Choose FTD	>
	Select Features	>
	Rule Conversion/ Process Config	>

	\times
FMC LOGIN	
IP Address/Hostname	
10.106.52.10	
Username	
Password	

11. FMC连接后,将显示其下的托管FTD。

altala cisco	Firepower Migration Tool		0
	Select Target 📀	Gathering details	Source: Cisco ASA (8.4+)
	Connect to FMC		~
	FMC IP Address/Hoshame 10.106.52.10 Connect		
	Successfully connected to FMC		
	Choose FTD		>
	Select Features		>
	Rule Conversion/ Process Config		>

12.选择要向其执行ASA配置迁移的FTD。



注意:建议选择FTD设备,否则接口、路由和站点到站点VPN配置必须手动完成。

cisco Firepower Migration Tool		000
Select Target 💿	v v	Source: Cisco ASA (8.4+)
Connect to FMC		>
FMC IP Address/Hostname: 10.106.52.10		
Choose FTD		~
Select FTD Device	Proceed without FTD	
Interface, Routes and Site-to-Site VPN Tunnels won't be migrated		
Proceed		
Select Features		>
Rule Conversion/ Process Config		>

13.选择需要迁移的功能,如图所示。

Device Configuration	Shared Configuration	Optimization
🛃 Interfaces	Access Control	Migrate Only Referenced Objects
Pioutes	Populate destination security zones	Citiject Group Search ()
Site-to-Site VPN Tunnels	Migrate tunnelled rules as Prefiltor	
Policy Based (Crypto Map)	V NAT	Inline Grouping
Route Based (VTI)	W Network Objects	CSM/ASOM
	Port Objects	
	Time based Objects	

14.选择"**开始转**换"以启动预迁移,该迁移将填充与FTD配置有关的元素。

0 pansing errors found. Refer to the pre-migration report for more details. Please download the Pre-Migration report for a dotailed summary of the persed configuration. Download Report 13 98 30 Access Control List Lines Network Objects Port Objects 2 9 4 1	e Conversion/ Process Config			~
b parsing errors found. Refer to the pre-migration report for more details. Presse download the Pre-Migration report for a dataled summary of the parsed configuration. Download Report 13 98 Access Control List Lines Network Objects 2 9 4	Start Conversion			
Presse download the Pre-Migration report for a detailed summary of the parsed configuration. Download Report 13 98 30 Access Control List Lines Network Objects Port Objects 2 9 4 1	aning errors found. Refer to the pre-migration report for more detail	s.		
13 98 30 Access Control List Lines Network Objects Port Objects 2 9 4 1	ase download the Pre-Migration report for a detailed summary of th	e pareed configuration. Download Report		
13 98 30 Access Connel List Lines Network Objects Port Objects 2 9 4 1				
Access Control List Lines Network Objects Port Objects 2 9 4 1	13		98	30
2 9 4 1	Access Control List Lines	Net	work Objects	Port Objects
2 9 4 1				
	2	9	4	1
Logical Interfaces Static Routes Natural Address Translation State VPN Transle	en Logical Interfaces	Stafi: Boutes	Network Address Translation	Site-to-Site VPN Transis

15.单击以**前看**到的"下载报告",查看如图所示的迁移前报告。

← → C O O File /Users/carolo	→ C ① File /Users/caroldso/Downloads/pre_migration_report_asa_2021-11-23_09-41-15.html		
CISCO Pre-Migration Repo	ort		
Note: Review all contents of this pre-migration report ca by Firepower Threat Defense after the configuration is s	arefully. Unsupported rules will not be migrated completely, which can potentially alter your original configuration, restrict some traffic, or permit unwanted traffic. We reco		
1. Overall Summary:			
A summary of the supported ASA configuration	elements that can be successfully migrated to Firepower Threat Defense.		
Collection Method	Manual		
ASA Configuration Name	ASAConfig.cfg.txt		
ASA Version	9.12(2)		
ASA Hostname	asa		
ASA Device Model	FPR4K-SM-12, 56533 MB RAM, CPU Xeon E5 series 2200 MHz, 1 CPU (24 cores)		
Hit Count Feature	No		
IP SLA Monitor	0		
Total Extended ACEs	13		
ACEs Migratable	13		
Site to Site VPN Tunnels	1		
Logical Interfaces	2		
Network Objects and Groups	98		
Service Objects and Groups	30		
Static Routes	9		
NAT Rules	4		
Note: ACEs that are applied outbound or no	at attached to interfaces using the access-group command are ignored.		

16.根据需要将ASA接口映射到FTD接口,如图所示。

		Refresh
ASA Interface Name	FTD Interface Name	
	Select Interface	
Ethernet1/2	GigabitEthernet0/0	,
	GigabitEthernet0/1	

17.为FTD接口分配安全区域和接口组。

cisco	Firepower Migration Tool					(000
	Map Security Zones and Inter	rface Groups 💿	~	Add 52.8.10 Auto	Create	Source: Oxee ASA (8.4+) Target FTD: FTD	
	ASA Logical Interface Name	FTD Interface	FMC Security Zones	FMC Interface Groups			
	Inside	Gipt/Elternet01	Extent Decurity Zone 🗸 🗸	Select Interface Groups	~		
	Outside	GiptRftwrwt02	fielect flecurity Zone 🖌 🤟	Select Interface Groups	÷		

答:如果FMC已创建安全区域和接口组,您可以根据需要选择它们:

✓ Select Security Zone	
outside	
inside	

B.如果需要创建安全区域和接口组,请单击"添加SZ和IG",如图所示。

	Add SZ & IG	
Security Zones (SZ) Interface	Groups (IG)	
Add	Max 48 characters for Interface (Group name. Allowed special characters are+
Interface Groups	Туре	Actions
Inside	ROUTED	🛛 🕗
	0-0 of 0 4 4 1 >	▶
	Close	

C.否则,可以选择Auto-Create选项,该选项将分别创建名为ASA逻辑接口_sz和ASA逻辑接口_ig的 安全区域和接口组。

Auto-Create
Auto-create maps ASA interfaces to existing FTD security zones and interface groups in FMC that have the same name. If no match is found, the Migration Tool creates a new FTD security zone and interface group with the same name in FMC.
Select the objects that you want to map to ASA interfaces
Security Zones Interface Groups
Cancel Auto-Create

Г

cisco	Firepower Migration Tool							
	Map Security Zones and Interface Groups 🕢							
	Add SZ & IG Auto-Create							
	ASA Logical Interface Name	FTD Interface	FMC Security Zones		FMC Interface Groups			
	Inskle	GigabitEthomet0/1	inside	~	Inside_ig (A)	~		
	Outside	GigabitEthemet0/2	outside	~	Outside_ig (A)	~		

18.复查并验证创建的每个FTD元素。警报显示为红色,如图所示。

timize, Ro e Cortest N Preditor letect al 13 entr	eview and Valida	ate Config Port Objects	uration 🧿	VPN Objects	Site to Site VPN 1				Source: Cisco AS	4(8.4+)					
e Control N DP Pre-ditor Select all 13 entr	AT Network Objects	Port Objects	interfaces Routes	VPN Objects	Site-to-Site VPN 1	Optimize, Review and Validate Configuration o									
Pre-Blue)				Access Control INV Internori Otgoria Internocea Internocea VITV Optora Site to Des VITV Junite 🖤										
ielect all 13 entr	ins Delected 0.115														
									O, Search		+				
	_		501005			DESTRUCTION:									
-		-	BCONCE	1		DESTRUCTION					_				
	G.	1 0	O.		0		0	0	• 0	ACE COURT					
	Outside_access_in_#1	outside	aty	ANY	ANY			VADE	Nor	1					
2	Outside access in #2	eutride	any	1807	1907	_	-	J G G R	Joon	1					
3	Outside_access_in_#3	eutside	any	ANY	ANY	-	-	JOGE	Nor	2					
4	Outside_access_in_Fil	outside	any	ANY	4807	_	_	JOGE	Aller	4					
5	Outside_access_in_#5	eutside	879	ANY	ANY		_	VSGE	New	3					
6	Outside_access_in_#6	eutside	879	AMY	4827	_	_	JAGE	New	2	_				
7	Outside_access_in_#7	outside	any	ANY	ANY		-		Alex	3					
8	Outside_access_in_#8	eutside	any	ANY	ANY		-	V 9 9 8	Alex	1					
9	Outside_access_in_#9	sublide	#19	ANY	ANY		_	• • • • E	Alter	4					
10	Oviside_access_in_#10	0.45-00	879	ANY	ANY			■ ✓ % % %	Alex	7					
11	Outside_access_in_#11	outside	any .	AMY	ANY			• < 9 G B -	Alter	2					
12	Outside_access_in_FT2	e utai de	any	AMY	4807			V 9 9 8	Joon	1					
	1 2 3 4 5 6 7 8 9 10 11 12	Name Cl. 1 Outside_access_in_41 2 Outside_access_in_41 3 Outside_access_in_43 4 Outside_access_in_43 5 Outside_access_in_44 5 Outside_access_in_44 6 Outside_access_in_44 7 Outside_access_in_44 9 Outside_access_in_44 10 Outside_access_in_44 11 Outside_access_in_44 12 Outside_access_in_512	Name Dom Q. Q. Q. 1 Outside_access_in_41 outside 2 Outside_access_in_41 outside 3 Outside_access_in_41 outside 4 Outside_access_in_41 outside 5 Outside_access_in_41 outside 6 Outside_access_in_41 outside 6 Outside_access_in_41 outside 7 Outside_access_in_41 outside 8 Outside_access_in_41 outside 9 Outside_access_in_41 outside 10 Outside_access_in_41 outside 11 Outside_access_in_411 outside 12 Outside_access_in_411 outside	Name Doris Natural Q. Q. Q. 1 Outbing,attensy,ing,81 outbin any 2 Outbing,attensy,ing,81 outbin any 3 Outbing,attensy,ing,81 outbin any 4 Outbing,attensy,ing,81 outbin any 5 Outbing,attensy,ing,81 outbin any 6 Outbing,attensy,ing,81 outbin any 6 Outbing,attensy,ing,81 outbin any 6 Outbing,attensy,ing,81 outbin any 7 Outbing,attensy,ing,81 outbin any 8 Outbing,attensy,ing,81 outbin any 9 Outbing,attensy,ing,81 outbin any 10 Outbing,attensy,ing,81 outbin any 11 Outbing,attensy,ing,81 outbin any 12 Outbing,attensy,ing,81 outbin any	Name Name <th< td=""><td>Name Zong Natures Zong Natures Zong Natures Zong Data Data Zong Data <thdat< th=""> Data <thdata< th=""></thdata<></thdat<></td><td>Name Data Nature Data Nature Data Nature Data Data</td><td>Name Date Natural Part Date Natural Part Date Date Part 0</td><td>Asso Zord Nature D Part Zord Nature D Zord Nature D Zord Nature D Zord Nature D Zord <thzord< th=""> <thzord< th=""> <thzord< th=""></thzord<></thzord<></thzord<></td><td>Image: Problem Name Date: Problem Name Date: Problem Date: Problem</td><td>Image: Problem in the system in the</td></th<>	Name Zong Natures Zong Natures Zong Natures Zong Data Data Zong Data Data <thdat< th=""> Data <thdata< th=""></thdata<></thdat<>	Name Data Nature Data Nature Data Nature Data Data	Name Date Natural Part Date Natural Part Date Date Part 0	Asso Zord Nature D Part Zord Nature D Zord Nature D Zord Nature D Zord Nature D Zord Zord <thzord< th=""> <thzord< th=""> <thzord< th=""></thzord<></thzord<></thzord<>	Image: Problem Name Date: Problem Name Date: Problem Date: Problem	Image: Problem in the system in the				

19.如果要编辑任何规则,可以选择如图所示的迁移操作。添加文件和IPS策略的FTD功能可以在此 步骤中完成。

ACP	Pre-filter			
Sele	ect all 13 entries	Selected: 13 / 13	Actions - Save	
			MIGRATION ACTIONS	SOURCE
	#	Name	Do not migrate	twork
		Q	RULE ACTIONS	
v	1	Outside_access_in_#1	File Policy	
v	2	Outside_access_in_#2	100 0 1	
v	3	Outside_access_in_#3	IPS Policy	
v	4	Outside_access_in_#4	Log	
v	5	Outside_access_in_#5	Rule Action	
v	6	Outside_access_in_#6	outside any	

注意:如果FMC中已存在文件策略,则会按照图中所示填充它们。IPS策略和默认策略也适用 。

	File Policy	
select File Policy *	-	
		^
eicar		
None		
	Cancel Select	

可以为所需规则完成日志配置。在此阶段,可以选择FMC上现有的系统日志服务器配置。

		×
Log		
Log at the beginning of connection		
Send connection events to:		
Syslog		
	\sim	
Cancel Save		

所选规则操作将相应地突出显示每个规则。



20.同样,您的配置中的NAT、网络对象、端口对象、接口、路由、VPN对象、站点到站点VPN隧道和其他元素也可以逐步查看。

注意:警报将通知如图所示更新预共享密钥,因为预共享密钥不会在ASA配置文件中复制。选择**操作>更新预共享**密钥以输入值。

cisco	Firepower Migration Tool				000
	Optimize, Review and Validate Configuration o	Sourc	#: Cisco ASA (8.4- I FTD: FTD	9	
	Access Control NAT Network Objects Port Objects Interfaces Routes VPN Objects				
	Select all 1 entities Selected: 1/1 Actors - Control	0, 1	learch		÷
	Automaticality Activities and Automaticality Activities and Automaticality Activities and Automaticality Activities Activ	en Type PND Carti 💽	Protoc Source Not	Remote Net.	
	Q. Dubits		er. ary-pol	Q. ary-ip-1	
50 -	erpage 1to1of1 (+ + Page 1)of1 + +(
	Update the Phy-Shared KeyPHI Certificate column highlighted in Yollow for each VPH tunnel rows under Site-to-Site VPH Tunnels to to validate and proceed with migration. For additional help, click here,)			Contra
	Update Pre-Shared Key				
	Pre-Shared Key IKEv2				
<u> </u>					
	Cancel Save				

21.最后,单击屏幕右下角的**验**证图标,如图所示。



22.验证成功后,单击"推送**配置"**,如图所示。



PUSHING

0% Complete

Push In progress. Refer FMT Terminal to monitor the migration status.

← → C* O © localhost.8888/#/home			\$ Q	🗊 #1 🛱 👼 😑 🛪 🎂 (lydate 1)
cisco Firepower Migration Tool				000
Complete Migration Migration Status	PUSHING 100% Complete Push In progress. Rafer FMT regration status.	Terminal to monitor the	Source: Can Target PTD: 1 s	a ASA (8.4+) 17D
Line Connect				Expand panel to show video
Selected Context: Single Context Mode				
Migration Summary (Post Push)				
13	3	7	14	
Access Control List Lines	Reducado	Objects	Port Objects	
	0			1
Z Logical Interfaces	Static Picutes	rije Nietwork Address Translief	or 510-to-510	e VPW Turnets

23.迁移成功后,将显示的消息将显示在图中。

aliada cisco	Firepower Migration Tool			000		
	Complete Migration O		Optimization State	Bourse: Cinco ASA (8.4+) Target FTD: FTD		
	Mgration is complete, policy is peahed to FMC. Next Step - Login to FMC to deploy the policy to FTD.		ACL. Optimization is not applied for this migration.			
	Uve Connect: Selected Context: Single Context Mode Migration Summary (Post Push)					
	13 Access Control Lini Lines	3 Network	7 Olyects	14 Port Objects		
	2 Logical interfaces	9 Dotte Routes	4 Netwark Address Translat	on Stero-Ste VPN Tunnels		
	Please download the Poel-Push migration report for a detailed summary. Download Report					

注意:如果迁移失败,请单击Download Report以查看迁移后报告。

Complete Migration 0	Source: Cisco ASA (8.4+) Target FTD: FTD	Source: Cisco ASA (8.4+) Target FTD: FTD		
Migration Status	Optimization Status			
Migration Unsuccessfult Internal Berver Error. Please refer logs for more details. Download Report	ACL Optimization is successful but due to migration failure the refined optimized policy cannot be deployed to FMC.			
Contact Support				

验证

使用本部分可确认配置能否正常运行。

验证FMC。

1. 导航至**策略>访问控制>访问控制策略>策略分配**,以确认已填充选定的FTD。

Overview Analysis Policies Devices Objects AMP Intelligence 🔍 Overview Analysis Policies										
Access Central + Access										
FTD-Mig-ACP-1637743796										
Preliter Policy: Diffed Policy Policy	SSL Policy: Sala	Educativy Policy: Succ								
			Ta Intertance Satings (🔠 Paley Assignments (1)							
Rules Security Intelligence HTTP Responses Logpin	Security Intelligence INTEP Responses Lapping Advanced									
A Filer by Device and Search Rules			X Draw Rule Caribits (B) O All Category O All Rule							
Rame Source Zones Dest Zones	Esurce Networks VLAN Tage Users Applice	etiens Source Parts Dest Parts UIILs Source SGT	Dest 527 Artist 2 3 3 3 3 5 5 7 9							
w Mandatory - FTD-Hig-ADP-1437743794 (-)										
There are no rules in this section. Add Rule or Add Category	Policy Assignments	7 ×								
	Targeted Devices									
1 Outside_mones_in_# excised Any	Solinit devices to which you want to apply this parks.		.~							
2 Outside_access_in_# twittide Arry	Bary Available Devices	Selected Devices	AN #AN 000808+ /8							
3 Outside access in # 1 0x240 Arry	Search by rame or value	#rb 0	14 JAM 000808+ 10							
4 Outside access.in. #methods Arr	₩ MAX									
		Add to Parky								
5 Outside_access_m_F (which ///	(B) and		->> √ ABW ₫∇0,8±2+ / 8							
 Outside_access_m_#meaneds Arry 	(Barr		×× - √ ₩₩ - Ш (10,85) <u></u> E + / B							
		OK Canoel	13 of 13 min K < Rep[] of 1 > H G Rules per paper 100 *							

注意:迁移访问控制策略的名称应具有前缀**FTD-Mig-ACP**。如果步骤2.8中未选择FTD,则需 要在FMC上选择FTD。

2.将策略推送到FTD。导航至**部署>部署> FTD名称>部**署,如图所示。

Overview	Analysis Policies Devices Ob	jects AMP Intelligence					0, Deploy System	s Holp v admin v
							Deployment	Deployment History
O. Report	units) device rame lucas clomais, proc	n er skelen						Enginy
	Device		Drapect Interruption	Terr D	roup Last Deploy Time	Preview	Status	
> 0	10.88.371.31		≁ Yes	FTD	Nov 23, 2021 11:24 PM	R	Pending	
> 0	NG2PS			Senser		3	Pendro	
⇒ 0	FTD		🗢 Vani	FTD	Nov 23, 2021 11:17 PH	3	Completed	
							-	

与Firepower迁移工具相关的已知错误

- Cisco Bug ID <u>CSCwa56374</u> FMT工具挂起区域映射页,错误为内存使用率高
- Cisco Bug ID CSCvz88730 FTD端口通道管理接口类型的接口推送失败
- Cisco Bug ID CSCvx21986 端口通道迁移到目标平台 不支持虚拟FTD
- Cisco Bug ID <u>CSCvy63003</u> 如果FTD已是集群的一部分,迁移工具应禁用接口功能
- Cisco Bug ID CSCvx08199 当应用引用超过50时,ACL需要拆分

相关信息

- 使用防火墙迁移工具将ASA防火墙迁移到威胁防御
- <u>技术支持和文档 Cisco Systems</u>