# Upgrade FTD HA beheerd door FMC

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# Inleiding

Dit document beschrijft het upgradeproces voor een Cisco Secure Firewall Threat Defence in High Availability-software die wordt beheerd door een Firewall Management Center.

### Voorwaarden

Vereisten

Cisco raadt u aan kennis van deze onderwerpen te hebben:

- Concepten en configuratie met hoge beschikbaarheid (HA)
- Configuratie van Secure Firewall Management Center (FMC)
- Cisco Secure Firewall Threat Defence (FTD)-configuratie

#### Gebruikte componenten

De informatie in dit document is gebaseerd op:

- Virtual Firewall Management Center (FMC), versie 7.2.4
- Virtual Cisco Firewall Threat Defence (FTD), versie 7.0.1

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u zorgen dat u de potentiële impact van elke opdracht begrijpt.

#### Overzicht

Het VCC werkt door een peer per keer te upgraden. Eerst de Standby-modus, dan de Activemodus, een failover uitvoeren voordat de Active upgrade voltooid is.

### Achtergrondinformatie

Upgradepakket moet vóór de upgrade worden gedownload van software.cisco.com.

Op CLI clish, voer de show high-Availability Config-opdracht in het actieve FTD uit om de status van de High Availability te controleren.

> show high-availability config Failover On Failover unit Secondary Failover LAN Interface: FAILOVER\_LINK GigabitEthernet0/0 (up) Reconnect timeout 0:00:00 Unit Poll frequency 1 seconds, holdtime 15 seconds Interface Poll frequency 5 seconds, holdtime 25 seconds Interface Policy 1 Monitored Interfaces 3 of 1285 maximum MAC Address Move Notification Interval not set failover replication http Version: Ours 9.16(2)5, Mate 9.16(2)5 Serial Number: Ours 9AJJSEGJS2T, Mate 9AVLW3FSSK8 Last Failover at: 00:37:48 UTC Jul 20 2023 This host: Secondary - Standby Ready Active time: 4585 (sec) slot 0: ASAv hw/sw rev (/9.16(2)5) status (Up Sys) Interface INSIDE (10.10.153.2): Normal (Monitored) Interface diagnostic (0.0.0.0): Normal (Waiting) Interface OUTSIDE (10.20.153.2): Normal (Monitored) slot 1: snort rev (1.0) status (up) slot 2: diskstatus rev (1.0) status (up) Other host: Primary - Active Active time: 60847 (sec) Interface INSIDE (10.10.153.1): Normal (Monitored) Interface diagnostic (0.0.0.0): Normal (Waiting) Interface OUTSIDE (10.20.153.1): Normal (Monitored) slot 1: snort rev (1.0) status (up) slot 2: diskstatus rev (1.0) status (up)

Stateful Failover Logical Update Statistics

...

ER_LINK G	igabitEthern	et0/0 (up)	
xmit	xerr	rcv	rerr
9192	0	10774	0
9094	0	9092	0
c 0	0	0	0
c 0	0	204	0
e 0	0	1	0
	ER_LINK G xmit 9192 9094 c 0 c 0 e 0	ER_LINK GigabitEthern xmit xerr 9192 0 9094 0 c 0 0 c 0 0 e 0 0	ER_LINK GigabitEthernet0/0 (up)         xmit       xerr       rcv         9192       0       10774         9094       0       9092         c       0       0         c       0       0         c       0       0         c       0       0         c       0       0         c       0       0         c       0       1

Logical Update Queue Information

	Cur	Max	Total
Recv Q:	0	9	45336
Xmit Q:	0	11	11572

Als er geen fouten zichtbaar zijn, gaat u verder met de upgrade.

# Configureren

### Stap 1. Uploadupgrade-pakket

 Upload het FTD-upgradepakket naar het FMC via de grafische gebruikersinterface (GUI). Dit moet eerder worden gedownload van de Cisco-softwaresite op basis van het FTD-model en de gewenste versie.



Waarschuwing: zorg ervoor dat de FMC-versie hoger of gelijk is aan de te upgraden nieuwe FTD-versie.

#### Systeem > updates



#### • Selecteer Upload Update.

Firewall Management Center System / Updates / Product Updates	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	۹	69	¢	admin	- altai cisc	SECURE
Product Updates Rule Updates Geol	ocation Updates												
								C	Dowr	nload	Updates	Uploa	d Update
Currently running software version: 7.2.4													
Currently installed VDB version: build 353 ( 2022	-03-07 22:13:19)												
Available Updates Readiness History													
Туре	Version			Date			Reboot						
Cisco Secure FW Mgmt Center Upgrade	7.2.4-169			Wed May 10	12:48:58 UTC	2023	Yes						8.2

• Blader naar de eerder gedownloade afbeelding en selecteer vervolgens Upload.

Firewall Ma System / Upda	anagement C ites / Product Upda	enter tes	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	Q	¢	¢	🕜 admin 🕶	altalta cisco	SECURE
Product Updates	Rule Updates	Geoloc	ation Updates												
				(	Currently runni	ng software ve	ersion: 7.2.4								
			Updates												
			Upload software upo	dates and patche	es here.										
				Action	Upload local	al software upda	ate package								
					O Specify soft	tware update se	ource (Firewall	Threat Defense dev	vices only)						
				Package	Browse Cisco	_FTD_Upgrade-7	2.4-165.sh.REL.ti	ar							
								Cancel	Upload						

### Stap 2. Gereedheid controleren

De controles van de bereidheid bevestigen of de apparaten klaar zijn om met verbetering te werk te gaan.

• Selecteer de optie Installeren in het juiste upgradepakket.

Firewall Management Center System / Updates / Product Updates	Overview Analysis	Policies Devices	Objects Integ	gration Deploy	९ 💕 ¢	admin	cisco SECURE
Product Updates Rule Updates Geo	location Updates						
					Downloa	ad Updates	Upload Update
	Succ Uploa	ess d succeeded	×				
Currently running software version: 7.2.4							
Currently installed VDB version: build 353 ( 202	2-03-07 22:13:19 )						
Available Updates Readiness History							
Туре	Version	Date		Reboot			
Cisco Secure FW Mgmt Center Upgrade	7.2.4-169	Wed May 10	12:48:58 UTC 2023	Yes			S 1
Cisco FTD Upgrade	7.2.4-165	Wed May 3 2	0:22:28 UTC 2023	Yes			2. 🙀 🗑

Selecteer de gewenste upgrade. In dit geval is de selectie bedoeld voor:

- Annuleert automatisch bij een upgrade-fout en keert u terug naar de vorige versie.
- Schakel terugzetten na succesvolle upgrade in.
- Upgradesneltoets 2 naar sneltoets 3.
- Selecteer de HA-groep van FTD's en klik op Gereedheid controleren.

Currently running software version: 7.2.4						
Selected Update Type Cisco FTD Upgrade Version 7.2.4-165 Date Wed May 3 20:22:28 UTC 2023 Reboot Yes						
Automatically cancel on upgrade failure and roll back to the pr	revious version (Applies to individual units in HA	or Clusters)				
Z Enable revert after successful upgrade						
Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Snor For devices that are ineligible because they use custom Intrusion ( we strongly recommend you manually upgrade to Snort 3 for impre-	rt 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, oved detection and performance. Learn more					
	,			By Group	)	Ŧ
Ungrouped (1 total)	Compatibility Check	Readiness Check Results	Readiness Check Completed	By Group Snort 3	Estimated Upgrade Time	• î
Ungrouped (1 total)  FTD_HA Clisco Firepower Threat Defense for VMware Cluster	Compatibility Check	Readiness Check Results	Readiness Check Completed	By Group Snort 3	Estimated Upgrade Time	ĩ
Ungrouped (1 total)  Gradient Classification of the set of the se	Compatibility Check	Readiness Check Results	Readiness Check Completed	By Group Snort 3 N/A	Estimated Upgrade Time 10 min	° Î
Ungrouped (1 total)     Solution     So	Compatibility Check Compatibility check passed. Proceed with Compatibility check passed. Proceed with	Readiness Check Results	Readiness Check Completed	By Group Snort 3 N/A N/A	Estimated Upgrade Time 10 min 10 min	• 1 1 1 1

De voortgang kan worden gecontroleerd in het berichtencentrum Berichten > Taken.

Po	licies	Devices	Objects	Integration	Deploy	० 🔮 🌣	admin	▼ dtothe SECURE
	Depl	oyments	Upgrades	Health	Tasks			Show Notifications
	20+ to	otal 0 wa	aiting 0 runni	ing 0 retrying	20+ success	0 failures	Q Filter	
ec	🕑 Ren	note Readiness	Check					I
ier	Ch	ecking Cisco	FTD Upgrade	7.2.4-165 on [ F	TD_HA]			2m 11s 🗙
_	10.4 10.4	4.11.86: Succe: 4.11.87: Succe:	ss. OK to upgrade ss. OK to upgrade	e to 7.2.4-165 vers e to 7.2.4-165 vers	sion. sion.			
_								

Wanneer de gereedheidscontrole voltooid is in zowel FTD als Resultaat is Success, kan de upgrade worden uitgevoerd.

					By Group	)	•
•	Ungrouped (1 total)	Compatibility Check	Readiness Check Results	Readiness Check Completed	Snort 3	Estimated Upgrade Time	î
□ ~	P FTD_HA Cisco Firepower Threat Defense for VMware Cluster						
	FTD_A (active) 10.4.11.87 - Cisco Firepower Threat Defense for VMware v7.0.1	Compatibility check passed. Proceed with	Success	2023-07-20 14:33:00	N/A	10 min	1
	FTD_B 10.4.11.86 - Cisco Firepower Threat Defense for VMware v7.0.1	Compatibility check passed. Proceed with	Success	2023-07-20 14:33:00	N/A	10 min	1

Stap 3. Upgrade FTD in hoge beschikbaarheid

• Selecteer het HA-paar en klik op Installeren.

Firewall Management Center System / Updates / Upload Update Overview	Analysis	Policies Device	s Objects	Integration	Deploy Q 🌘	P 🌣 🛛	admin 🔻 🕚	diale SECURE
Product Updates Rule Updates Geolocation Updates								
<ul> <li>Warnings</li> <li>Version 7.2.0 onwards, the Intelligent Application Bypass (IAI</li> <li>Version 7.2.0 onwards, the port_scan inspector is deprecated</li> </ul>	B) setting is depre	ecated for See Mor ee More	e					X
Currently running software version: 7.2.4								
Selected Update         Type       Cisco FTD Upgrade         Version       7.2.4-165         Date       Wed May 3 20:22:28 UTC 2023         Reboot       Yes    Automatically cancel on upgrade failure and roll back to the prior of the software upgrade, eligible devices will upgrade from Snor After the software upgrade, eligible because they use custom Intrusion of we strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you manually upgrade to Snort 3 for improvisional strongly recommend you	revious version (/ rt 2 to Snort 3 whe or Network Analysi oved detection and	Applies to individual un n you deploy configura is Policies, I performance. Learn n	its in HA or Cluste tions. nore	ars)				
						By Group	)	¥
Vingrouped (1 total)	Compatibility Ch	eck	Readine Results	ess Check	Readiness Check Completed	Snort 3	Estimated Upgrade Tir	ne Î
Cisco FID_HA Cisco Firepower Threat Defense for VMware Cluster								
FTD_A (active) 10.4.11.87 - Cisco Firepower Threat Defense for VMware v7.0.1	🥝 Compatibil	ity check passed. Procee	ed with Su	uccess	2023-07-20 14:33:0	0 N/A	10 min	1
FTD_B 10.4.11.86 - Cisco Firepower Threat Defense for VMware v7.0.1	📀 Compatibil	ity check passed. Procee	ed with Su	uccess	2023-07-20 14:33:0	0 N/A	10 min	1
					Ва	ck Che	ck Readiness	Install

Waarschuwing om door te gaan met de upgrade, het systeem wordt opnieuw opgestart om de upgrade te voltooien. Selecteer OK.

οι	① 10.88.243.115:43092 Update installation will reboot the system want to continue?	n(s). Are you si	ure you	
		Cancel	ок	
i0 etwo	ork Analysis Policies			

De voortgang kan worden gecontroleerd in het berichtencentrum Berichten > Taken.

Policies	Devices	Objects	Integration	Deploy	۹ 💰	₽ \$	?	admin	<ul> <li>altali cisco</li> </ul>	SECURE
De	ployments	Upgrades	Health	Tasks					Show No	otifications
20+	total 0 v	vaiting 1 runn	ing 0 retrying	20+ success	0 failu	res	Q	Filter		
C Fi d (3	emote Install pply Cisco FT TD_B : Upgrade 100_os/100_inst repower: View d	D Upgrade 7.2. in progress: (14% all_Fire_Linux_OS etails.	.4-165 to FTD_⊦ , done.12 mins to rr 3_aquila.sh (in bac)	IA eboot). Updating kground: 200_pre	Operating \$ /600_ftd_c	System onbox_da	ata_e	xport.sh))		8m 57s

Als u op vuurkracht klikt: Bekijk details, de voortgang wordt getoond op een grafische manier en de logboeken van status.log.

#### Upgrade in Progress

#### FTD\_B

10.4.11.86

Cisco Firepower Threat Defense for VMware (Version: 7.0.1-84)

Version: 7.2.4-165 | Size: 1.04 GB | Build Date: May 3, 2023 8:22 PM UTC Initiated By: admin | Initiated At: Jul 20, 2023 2:58 PM EDT



14% Completed (12 minutes left)

Upgrade In Progress... Updating Operating System... (300\_os/100\_install\_Fire\_Linux\_OS\_aquila.sh (in background: 200\_pre/600\_ftd\_onbox\_data\_export.sh))

Upgrade will automatically cancel on failure and roll back to the previous version.

~	Log	Det	tail	s

Thu Jul 20 18:56:51 UTC 2023 7% Running script 200\_pre/202\_disable\_syncd.sh... 13 mins Thu Jul 20 18:56:51 UTC 2023 7% Running script 200\_pre/400\_restrict\_rpc.sh... 13 mins Thu Jul 20 18:56:51 UTC 2023 7% Running script 200\_pre/500\_stop\_system.sh... 13 mins Thu Jul 20 18:57:17 UTC 2023 7% Running script 200\_pre/501\_recovery.sh... 13 mins rema Thu Jul 20 18:57:18 UTC 2023 14% Running script 200\_pre/505\_revert\_prep.sh... 12 mins Thu Jul 20 18:58:05 UTC 2023 14% Running script 200\_pre/999\_enable\_sync.sh... 12 mins Thu Jul 20 18:58:05 UTC 2023 14% Running script 300\_os/001\_verify\_bundle.sh... 12 mins Thu Jul 20 18:58:06 UTC 2023 14% Running script 300\_os/002\_set\_auto\_neg.pl... 12 mins Thu Jul 20 18:58:06 UTC 2023 14% Running script 300\_os/060\_fix\_fstab.sh... 12 mins Thu Jul 20 18:58:06 UTC 2023 14% Running script 300\_os/060\_fix\_fstab.sh... 12 mins Thu Jul 20 18:58:06 UTC 2023 14% Running script 300\_os/060\_fix\_fstab.sh... 12 mins

Cancel Upgrade

Close

唱



Opmerking: upgrade duurt ongeveer 20 minuten per FTD.

Bij CLI kan de voortgang worden gecontroleerd in upgrademap /ngfw/var/log/sf; ga naar de expertmodus en voer root-toegang in.

```
> expert
admin@firepower:~$ sudo su
Password:
root@firepower:/home/admin# cd /ngfw/var/log/sf
root@firepower:/ngfw/var/log/sf# ls
Cisco_FTD_Upgrade-7.2.4
root@firepower:/ngfw/var/log/sf# cd Cisco_FTD_Upgrade-7.2.4
root@firepower:/ngfw/var/log/sf/Cisco_FTD_Upgrade-7.2.4# ls
000_start AQ_UUID DBCheck.log finished_kickstart.flag flags.conf main_upgrade_script.log status.le
root@firepower:/ngfw/var/log/sf/Cisco_FTD_Upgrade-7.2.4# tail -f status.log
```

state:running ui:Upgrade has begun. ui: Upgrade in progress: ( 0% done.14 mins to reboot). Checking device readiness... (000\_start/000\_00\_r ... ui: Upgrade in progress: (64% done. 5 mins to reboot). Finishing the upgrade... (999\_finish/999\_zzz\_com ui: Upgrade complete ui: The system will now reboot. ui:System will now reboot. Broadcast message from root@firepower (Thu Jul 20 19:05:20 2023): System will reboot in 5 seconds due to system upgrade. Broadcast message from root@firepower (Thu Jul 20 19:05:25 2023): System will reboot now due to system upgrade. Broadcast message from root@firepower (Thu Jul 20 19:05:25 2023): System will reboot now due to system upgrade. Broadcast message from root@firepower (Thu Jul 20 19:05:34 2023): The system is going down for reboot NOW!

De upgrade-status wordt op de GUI aangeduid als voltooid en toont de volgende stappen.

🕑 Upgrade Co	ompleted	×
FTD_B 10.4.11.86 Cisco Firepowe	r Threat Defense for VMware (Version: 7.0.1-84)	
Version: 7.2.4- Initiated By: adm	165   Size: 1.04 GB   Build Date: May 3, 2023 8:22 PM UTC nin   Initiated At: Jul 20, 2023 3:08 PM EDT	
	7.0.1-84 FTD FTD FTD	
	Upgrade to version 7.2.4-165 Completed	
Opgrade will auto	matically cancel on failure and roll back to the previous version.	
<ul> <li>Log Details</li> </ul>		

Nadat de upgrade op het Standby-apparaat is voltooid, wordt gestart op het actieve apparaat.



Op CLI, verplaats naar LINA (system support diagnostic-cloud) en controleer de failover status op de Standby FTD met behulp van de opdracht failover status tonen.

```
> system support diagnostic-cli
Attaching to Diagnostic CLI ... Press 'Ctrl+a then d' to detach.
Type help or '?' for a list of available commands.
firepower> enable
Password:
firepower# show failover state
                              Last Failure Reason
                                                        Date/Time
               State
This host -
               Secondary
               Standby Ready
                              None
Other host -
               Primary
               Active
                              None
====Configuration State===
        Sync Done - STANDBY
====Communication State===
        Mac set
firepower#
        Switching to Active
```



Opmerking: de failover wordt automatisch uitgevoerd als onderdeel van de upgrade. Voor actieve FTD start en voltooi de upgrade.

Wanneer de upgrade is voltooid, moet de computer opnieuw worden opgestart:



Stap 4. Switch actieve peer (optioneel)



Opmerking: als de hulpvoorziening actief is, heeft zij geen operationele gevolgen. Het hebben van Primair apparaat zo Actief en Secundair als Standby is een beste praktijk die helpt het volgen van om het even welke failover die kan voorkomen.

In dit geval is de FTD Active nu stand-by, kan een handmatige failover worden gebruikt om deze terug te zetten op Active.

• Navigeer naar de drie punten naast het bewerkingsteken.

Firewall Management Center Devices / Device Management	Overview Analysis	Policies	Devices Objects In	tegration Deploy Q	🚱 🌣 🔞 admin 🔹 🕬	SECURE
View By: Group					Deployment	History
All (2) • Error (0) • Warning (0) • (	Offline (0)   Normal (2)	<ul> <li>Deployment</li> </ul>	t Pending (1) • Upgrade (2	2) • Snort 3 (2)	Q Search Device	Add 🔻
Collapse All						
Name	Model	Ver Cha	assis License	s Access Contr Policy	ol Auto RollBack	
Ungrouped (1)						
FTD_HA     High Availability						1:
FTD_A(Primary, Standby) Snort 3 10.4.11.87 - Routed	FTDv for VMware	7.2.4 N/A	Base, Thi	reat (1 more) policy_lab	\$ <del>}</del>	:
FTD_B(Secondary, Active) Snort 3 10.4.11.86 - Routed	FTDv for VMware	7.2.4 N/A	Base, Th	reat (1 more) policy_lab	49	:

### • Selecteer Switch actieve peer.

Firewall Management Center Devices / Device Management	verview Analysis	Policie	es Devices	Objects Integration	Deploy Q 💕	¢ 0	admin • altalis SECURE
View By: Group   All (2)   Error (0)   Warning (0)  Offline	e (0) • Normal (2)	<ul> <li>Deple</li> </ul>	oyment Pending (1)	• Upgrade (2) • Snort	3 (2)	Q Sear	Deployment History
Collapse All       Name       Vogrouped (1)	Model	Ver	Chassis	Licenses	Access Control Policy	Aut	o RollBack
FTD_HA     High Availability							Switch Active Peer Break
FTD_A(Primary, Standby) Snort 3 10.4.11.87 - Routed	FTDv for VMware	7.2.4	N/A	Base, Threat (1 more)	policy_lab	~	Force refresh node status Delete
FTD_B(Secondary, Active) Snort 3 10.4.11.86 - Routed	FTDv for VMware	7.2.4	N/A	Base, Threat (1 more)	policy_lab	*5	Revert Upgrade Health Monitor Troubleshoot Files

• Selecteer JA om de failover te bevestigen.



Validatie van hoge beschikbaarheid status aan het eind van upgrade en failover gedaan. Apparaten > Apparaatbeheer

Firewall Management Center Devices / Device Management	Overview Analysis	Policies	Devices	Objects Integration	Deploy Q 💕	🌣 🕜 admin 🕶	cisco SECURE
View By: Group  All (2)  Error (0)  Warning (0)	Offline (0)   Normal (2)	<ul> <li>Deployr</li> </ul>	nent Pending (1)	• Upgrade (2) • Snort 3	(2)	Deployr	ment History
Collapse All							
Name	Model	Ver	Chassis	Licenses	Access Control Policy	Auto RollBack	
Ungrouped (1)							
□ ∨ FTD_HA High Availability							11
FTD_A(Primary, Active) Snort 3 10.4.11.87 - Routed	FTDv for VMware	7.2.4	N/A	Base, Threat (1 more)	policy_lab	49	:
FTD_B(Secondary, Standby) Snort 3 10.4.11.86 - Routed	FTDv for VMware	7.2.4	N/A	Base, Threat (1 more)	policy_lab	«9	:

Stap 5. Definitieve implementatie

• Stel een beleid in om apparaten te implementeren > implementeren op dit apparaat.

	Devices	Objects	Integration	Deploy	Q	<b>6</b> 🎸	🕐 admi	n ▼ dia cisc	SEC	URE
	۹					Advance	d Deploy	Deploy A	AII -	ry
nt		FTD_HA				Ready for	Deployment	:	4	- I
Ch										
_										, .
										:
A	<b>1</b> c	device is availab	le for deployment	t				ii/	Ð	:

## valideren

Om de status en upgrade van hoge beschikbaarheid te valideren, moet u de status bevestigen: Primair: actief

Secundair: klaar voor stand-by

Beide staan onder de versie die onlangs is gewijzigd (7.2.4 in dit voorbeeld).

• In FMC GUI, navigeer naar Apparaten > Apparaatbeheer.

Fir Dev	rewall Manag rices / Device Mar	gement Center nagement	Overvie	w Analysis	Policies	Device	s Objects	Integra	ition	Deploy Q 🔮	🔅 👩 admin 🕶	cisco SECURE
View By: All (2)	Group • Error (0)	• Warning (0)	Offline (0)	<ul> <li>Normal (2)</li> </ul>	<ul> <li>Deploy</li> </ul>	ment Pendir	g (0) 🔹 Upg	rade (2)	<ul> <li>Snort 3 (2)</li> </ul>	[	Deploy	ment History
Collapse All												
Na	me			Model	v	arsion C	hassis		Licenses	Access Control Policy	Auto RollBack	
	Ungrouped (1)											
	FTD_HA High Availability											1:
	FTD_A(Prima 10.4.11.87 -	ry, Active) Snort 3 Routed		FTDv for VMware	7.2	.4 N/	A		Base, Threat (1 more)	policy_lab	Q4	:
	FTD_B(Secor 10.4.11.86 -	Routed	t 3	FTDv for VMware	7.2	.4 N/	A		Base, Threat (1 more)	policy_lab	ep.	:

• Over CLI clish, controleer de failover staat met de opdracht tonen failover staat en tonen failover een gedetailleerdere informatie.

Cisco Firepower Extensible Operating System (FX-OS) v2.12.0 (build 499) Cisco Firepower Threat Defense for VMware v7.2.4 (build 165) > show failover state State Last Failure Reason Date/Time This host -Primary Active None Other host -Secondary Standby Ready None ====Configuration State=== ====Communication State=== Mac set > show failover Failover On Failover unit Primary Failover LAN Interface: FAILOVER\_LINK GigabitEthernet0/0 (up) Reconnect timeout 0:00:00 Unit Poll frequency 1 seconds, holdtime 15 seconds Interface Poll frequency 5 seconds, holdtime 25 seconds Interface Policy 1 Monitored Interfaces 3 of 1285 maximum MAC Address Move Notification Interval not set failover replication http Version: Ours 9.18(3)39, Mate 9.18(3)39 Serial Number: Ours 9AVLW3FSSK8, Mate 9AJJSEGJS2T Last Failover at: 19:56:41 UTC Jul 20 2023 This host: Primary - Active Active time: 181629 (sec) slot 0: ASAv hw/sw rev (/9.18(3)39) status (Up Sys) Interface INSIDE (10.10.153.1): Normal (Monitored) Interface OUTSIDE (10.20.153.1): Normal (Monitored) Interface diagnostic (0.0.0.0): Normal (Waiting) slot 1: snort rev (1.0) status (up) slot 2: diskstatus rev (1.0) status (up) Other host: Secondary - Standby Ready Active time: 2390 (sec) Interface INSIDE (10.10.153.2): Normal (Monitored) Interface OUTSIDE (10.20.153.2): Normal (Monitored) Interface diagnostic (0.0.0.0): Normal (Waiting) slot 1: snort rev (1.0) status (up) slot 2: diskstatus rev (1.0) status (up) Stateful Failover Logical Update Statistics Link : FAILOVER\_LINK GigabitEthernet0/0 (up) Stateful Obj xmit xerr rerr rcv General 29336 0 24445 0 24418 0 24393 0 sys cmd . . . Logical Update Queue Information Max Cur Total Recv Q: 0 11 25331 Xmit Q: 0 1 127887

Als beide FTDs op dezelfde versie zijn en de hoge beschikbaarheidsstatus gezond is, dan is de

upgrade voltooid.

#### Over deze vertaling

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