Mise à niveau FTD HA gérée par FMC

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Introduction

Ce document décrit le processus de mise à niveau d'un pare-feu Cisco Secure Firewall Threat Defense en haute disponibilité géré par un Firewall Management Center.

Conditions préalables

Exigences

Cisco recommande de posséder des connaissances sur ces sujets :

- Concepts et configuration de la haute disponibilité (HA)
- Configuration de Secure Firewall Management Center (FMC)
- Configuration de Cisco Secure Firewall Threat Defense (FTD)

Composants utilisés

Les informations contenues dans ce document sont basées sur :

- Virtual Firewall Management Center (FMC), version 7.2.4
- Protection contre les menaces par pare-feu Cisco virtuel (FTD), version 7.0.1

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l'incidence possible des commandes.

Aperçu

Le fonctionnement du FMC consiste à mettre à niveau un homologue à la fois. Commencez par le mode veille, puis le mode actif, en effectuant un basculement avant que la mise à niveau active ne soit terminée.

Informations générales

Le package de mise à niveau doit être téléchargé à partir du site software.cisco.com avant la mise à niveau.

Sur l'interférence CLI, exécutez la commande show high-availability config dans le FTD actif pour vérifier l'état de la haute disponibilité.

> 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 Link : FAILOVER_LINK GigabitEthernet0/0 (up) r

Staterul Obj	XMIT	xerr	rcv	rer
General	9192	0	10774	0
sys cmd	9094	0	9092	0
Rule DB B-Sync	0	0	0	0
Rule DB P-Sync	0	0	204	0

Rule DB	Delete	0	0	1
Logical	Update	Queue	Informatio	n
		Cur	Max	Total
Recv Q:		0	9	45336
Xmit Q:		0	11	11572

Si aucune erreur n'est visible, passez à la mise à niveau.

Configurer

Étape 1. Télécharger le package de mise à niveau

• Téléchargez le package de mise à niveau FTD sur le FMC à l'aide de l'interface graphique utilisateur (GUI).

Ce fichier doit être préalablement téléchargé à partir du site du logiciel Cisco en fonction du modèle FTD et de la version souhaitée.

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Avertissement : assurez-vous que la version FMC est supérieure ou égale à la nouvelle version FTD à mettre à niveau.

Système > Mises à jour



• Sélectionnez Upload Update.

Firewall Management Center System / Updates / Product Updates	Overview	Analysis	Policies	Devices	Objects	Integration	Deploy	٩	¢	¢	Ø admin	▼ alta cise	SECURE
Product Updates Rule Updates Geolo	ocation Updates												
									Dowr	iload l	Updates	Uploa	id 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						S 🕯

• Recherchez l'image précédemment téléchargée, puis sélectionnez Upload.



Étape 2. Vérifier le niveau de préparation

Les contrôles de préparation confirment que les appliances sont prêtes à être mises à niveau.

• Sélectionnez l'option Install dans le package de mise à niveau approprié.

Firewall Management Center System / Updates / Product Updates	Overview Ar	nalysis F	Policies	Devices	Objects	Integration	Deploy	۹ (\$	0	admin	•	isco SEC	CURE
Product Updates Rule Updates Geoloca	tion Updates													
								D	ownload	d Upd	ates	Uple	oad Upd	late
		Succes	succeeded			×								
Currently running software version: 7.2.4														
Currently installed VDB version: build 353 (2022-0	3-07 22:13:19)													
Available Updates Readiness History														
Туре У	ersion		D	ate)	Reboot							
Cisco Secure FW Mgmt Center Upgrade 7.	.2.4-169		W	/ed May 10 12:4	8:58 UTC 2023	3	Yes						S 1	
Cisco FTD Upgrade 7.	2.4-165		W	/ed May 3 20:22	:28 UTC 2023	1	Yes						2	Ū.

Sélectionnez la mise à niveau que vous préférez. Dans ce cas, la sélection porte sur :

- Annuler automatiquement en cas d'échec de la mise à niveau et revenir à la version précédente.
- Activer le rétablissement après une mise à niveau réussie.
- Passez de Snort 2 à Snort 3.
- Sélectionnez le groupe HA de FTDs et cliquez sur Check Readiness.

urrently 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 p	revious version (Applies to individual units in H/	A or Clusters)				
Enable revert after successful upgrade						
Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Sno For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impr	ort 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, roved detection and performance. Learn more					
Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Sno For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually upgrade to Snort 3 for impute the strongly recommend you manually	ort 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, roved detection and performance. Learn more			By Group	3	,
Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Snc For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impu Uggrade to Snort 3 for impu Uggrade (1 total)	ort 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, roved detection and performance. Learn more	Readiness Check Results	Readiness Check Completed	By Group Snort 3	Estimated Upgrade Time	î
Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Snc For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impr Ungrouped (1 total) Upgrade Snort 2 to Snort 3 Cisco Firepower Threat Defense for VMware Cluster	ort 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, roved detection and performance. Learn more	Readiness Check Results	Readiness Check Completed	By Group Snort 3	Estimated Upgrade Time	î
 Upgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Snc For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impute vestoring of the strong of the	Compatibility Check	Readiness Check Results	Readiness Check Completed	By Group Snort 3 N/A	Estimated Upgrade Time 10 min	ĩ
Vpgrade Snort 2 to Snort 3 After the software upgrade, eligible devices will upgrade from Snc For devices that are ineligible because they use custom intrusion we strongly recommend you manually upgrade to Snort 3 for impr ✓ Ungrouped (1 total) ✓ of 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 ✓ FTD_B 10.4.11.86 - Cisco Firepower Threat Defense for VMware v7.0.1	ort 2 to Snort 3 when you deploy configurations. or Network Analysis Policies, roved detection and performance, Learn more Compatibility Check	Readiness Check Results	Readiness Check Completed	By Group Snort 3 N/A N/A	Estimated Upgrade Time 10 min 10 min	î

La progression peut être vérifiée dans le centre de messages Messages > Tâches.

Pe	olicies	Devices	Objects	Integration	Deploy	९ 🔮 🌣	admin	▼ dialo SECURE
	Depl	oyments	Upgrades	Health	Tasks			Show Notifications
-	20+ to	otal 0 wa	aiting 0 runn	ing 0 retrying	20+ success	0 failures	् Filter	
ec	📀 Ren	note Readiness	Check					
ier	Ch	ecking Cisco	FTD Upgrade	7.2.4-165 on [F	TD_HA]			2m 11s 🗙
_	10.4	4.11.86: Succes 4.11.87: Succes	ss. OK to upgrade ss. OK to upgrade	e to 7.2.4-165 vers e to 7.2.4-165 vers	sion. sion.			

Lorsque la vérification du niveau de préparation est terminée dans FTD et que le résultat est Success, la mise à niveau peut être effectuée.

				By Group)	•
Ungrouped (1 total)	Compatibility Check	Readiness Check Results	Readiness Check Completed	Snort 3	Estimated Upgrade Time	î.
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	ŧ

Étape 3. Mettre à niveau FTD en haute disponibilité

• Sélectionnez la paire haute disponibilité et cliquez sur Installer.

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								
 Warnings Version 7.2.0 onwards, the Intelligent Application Bypass (IAI Version 7.2.0 onwards, the port_scan inspector is deprecated 	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

Avertissement : pour poursuivre la mise à niveau, le système redémarre pour terminer la mise à niveau. Sélectionnez OK.

οι	① 10.88.243.115:43092			٦
	Update installation will reboot the system want to continue?	n(s). Are you s	ure you	
.0		Cancel	ок	
etw	ork Analysis Policies			

La progression peut être vérifiée dans le centre de messages Messages > Tâches.

Policies	Devices	Objects	Integration	Deploy	۹ 💰	₽ \$?	admin	 altali cisco 	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

Si vous cliquez sur firepower : View details, la progression est affichée de façon graphique et les journaux de 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



Remarque : la mise à niveau prend environ 20 minutes par FTD.

Sur l'interface de ligne de commande, la progression peut être vérifiée dans le dossier de mise à niveau /ngfw/var/log/sf ; passez en mode expert et entrez l'accès racine.

```
> 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!

L'état de la mise à niveau est marqué comme terminé sur l'interface utilisateur graphique et indique les étapes suivantes.



Une fois la mise à niveau effectuée sur le périphérique en veille, elle démarre sur le périphérique actif.



Sur l'interface de ligne de commande, passez à LINA (system support diagnostic-cli) et vérifiez l'état de basculement sur le FTD de secours à l'aide de la commande show failover state.

```
> 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
```



Remarque : le basculement se produit automatiquement lors de la mise à niveau. Avant le redémarrage du FTD actif et la mise à niveau.

Une fois la mise à niveau terminée, un redémarrage est nécessaire :



Étape 4. Commutateur homologue actif (facultatif)



Remarque : si le périphérique secondaire est actif, il n'a aucun impact opérationnel. Le fait que le périphérique principal soit actif et le périphérique secondaire en veille est une bonne pratique qui permet de suivre tout basculement qui peut se produire.

Dans ce cas, le FTD actif est maintenant en veille, un basculement manuel peut être utilisé pour le redéfinir sur Actif.

• Naviguez jusqu'aux trois points situés à côté du signe de modification.

Firewall Management Center Devices / Device Management	Overview Analysis	Policies Devices	Objects Integration Deploy Q	🚱 🌣 🞯 admin 🗸 號 SECURE
View By: Group All (2) Error (0) Warning (0)	Offline (0) Normal (2)	 Deployment Pending (1) • Upgrade (2) • Snort 3 (2)	Deployment History Q, Search Device Add •
Collapse All				
Name	Model	Ver Chassis	Licenses Access Co Policy	ntrol 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, Threat (1 more) policy_lab	«୨ :
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	~? :

• Sélectionnez Commutateur homologue actif.

Firewall Management Center Devices / Device Management	Overview Analysis	Policies Devices	Objects Integration Deploy	Q 🤩 🌣 @ admin ▾ 號 SECURE
View By: Group All (2) Error (0) Warning (0) C	Offline (0) Normal (2)	 Deployment Pending 	1) • Upgrade (2) • Snort 3 (2)	Deployment History
Collapse All				
Name	Model	Ver Chassis	Licenses Access Policy	a Control Auto RollBack
Ungrouped (1)				
FTD_HA High Availability				Switch Active Peer
FTD_A(Primary, Standby) Snort 3 10.4.11.87 - Routed	FTDv for VMware	7.2.4 N/A	Base, Threat (1 more) policy_	ab Groce 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_	ab 45 Revert Upgrade Health Monitor Troubleshoot Files

• Sélectionnez YES pour confirmer le basculement.



Validation de l'état de haute disponibilité à la fin de la mise à niveau et du basculement effectuée. Périphériques > Gestion des périphériques

Firewall Management Center Devices / Device Management	Overview Analysis	Policies	Devices Objects Int	egration Deploy C	२ 🗳 🌣 🕜 admin 🗸	cisco SECURE
View By: Group All (2) Error (0) Warning (0)	Offline (0) Normal (2)	 Deployment 	nt Pending (1) • Upgrade (2) • Snort 3 (2)	Deployr	ment History Add ▼
Collapse All Name	Model	Ver C	Chassis License	s Access C Policy	Control Auto RollBack	
Ungrouped (1)						
FTD_HA High Availability						1:
FTD_A(Primary, Active) Snort 3 10.4.11.87 - Routed	FTDv for VMware	7.2.4 N/	I/A Base, Th	reat (1 more) policy_lab	e 49	:
FTD_B(Secondary, Standby) Snort 3 10.4.11.86 - Routed	3 FTDv for VMware	7.2.4 N/	I/A Base, Th	reat (1 more) policy_lab	49	:

Étape 5. Déploiement final

• Déployer une stratégie sur les périphériques Déployer > Déployer sur ce périphérique.

	Devices	Objects	Integration	Deploy	۹	6 🌣	🕜 admi	in 🔻 🔤 dua	SEC	URE
	٩					Advance	d Deploy	Deploy A	All	ry
nt		FTD_HA				Ready for	Deploymen	t	<u></u>	1 -
Ch										
										:
ΙA	1 c	device is availal	ole for deployment						Ð	:

Valider

Pour valider l'état de haute disponibilité et la mise à niveau, vous devez confirmer l'état : Principal : actif

Secondaire : en veille

Les deux sont sous la version qui a été récemment modifiée (7.2.4 dans cet exemple).

• Dans l'interface utilisateur graphique de FMC, accédez à Périphériques > Gestion des périphériques.

Firewall Management Center Overvie	ew Analysis Polie	cies De	vices Objects Integra	tion	Deploy Q 💕 🕻	admin • diada SECURE
View By: Group •						Deployment History
All (2) • Error (0) • Warning (0) • Offline (0)	Normal (2)	ployment Per	nding (0) • Upgrade (2)	 Snort 3 (2) 	٩	Search Device Add
Collapse All						
Name	Model	Version	Chassis	Licenses	Access Control Policy	Auto RollBack
Ungrouped (1)						
C V 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	۹۵ ا
FTD_B(Secondary, Standby) 10.4.11.86 - Routed	FTDv for VMware	7.2.4	N/A	Base, Threat (1 more)	policy_lab	«۵ ا

• Sur l'interférence CLI, vérifiez l'état de basculement à l'aide des commandes show failover

state et show failover pour des informations plus détaillées.

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 Last Failure Reason Date/Time State 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 GigabitEthernetO/O (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 rcv rerr General 29336 0 24445 0 24418 24393 sys cmd 0 0 . . . Logical Update Queue Information Cur Max Total Recv Q: 11 0 25331 Xmit Q: 1 127887 0

Si les deux FTD sont sur la même version et que l'état de haute disponibilité est sain, la mise à niveau est terminée.

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