清除Hyperflex中的資料保護網路組態

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簡介

本檔案說明如何清除Hyperflex中的複製。

必要條件

需求

思科建議瞭解以下主題:

- 整合運算系統管理員(UCSM)
- HyperFlex
- vCenter
- 網路
- DNS

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- HyperFlex連線5.0.2d
- Hyperflex延展式叢集
- Hyperflex標準叢集
- UCSM 4.2(1升)
- vCenter 7.0 U3

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

背景資訊

必要時可以清除複製組態,叢集可以與新目標配對,若要執行此操作,需要從叢集清除目前的複製 組態。

其他背景資訊

- 要清除資料保護,必須取消對所有虛擬機器的保護。然後,將它們從保護組中刪除。
- 如果沒有VM,保護組可以保留在群集上。
- 確保在本地和遠端兩種型別的群集中,都刪除了複製對的依賴項。
- 此作業需要兩個叢集的管理員存取權。

程式

第1步:以管理員身份登入到Hyperflex系統,然後轉至左側操作窗格中的複製選項:



ANALYZE

Performance

與對等體進行主動通訊,因此連線問題可能會導致清理過程出現問題。如果至少有一個控制器虛擬 機器器未透過eth2網路回應,可能會導致複製和清除作業失敗。

- 驗證eth2是否存在。在每個儲存控制器虛擬機器上使用ifconfig命令以確認eth2是否已啟用,如 果需要使用TAC干預。
- 使用ping測試每個儲存控制器虛擬機器的eth2介面之間的連線。

eth2 Link encap:Ethernet HWaddr	eth2 Link encap:Ethernet HWaddr
inet addr:172 .3 Bcast:172255 Mask:255.255.255.0	inet addr:172 .9 Bcast:172 .255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1	UP BROADCAST RUNNING MULTICAST MTUI:1500 Metric:1
RX packets:797975 errors:0 dropped:07 overruns:0 frame:0	RX packets:30774 errors:0 dropped:29 overruns:0 frame:0
TX packets:799505 errors:0 dropped:0 overruns:0 carrier:0	TX packets:32960 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueulen:1000	collisions:0 txqueuelen:1600
RX bytes:74023721 (74.0 MB) TX bytes:74168965 (74.1 MB)	RX bytes:2893235 (2.8 MB) TX bytes:3141789 (3.1 MB)
eth2:0 Link encap:Ethernet HWaddr	eth2:0 Link encap:Ethernet HWaddr
inet addr:172 .2 Bcast:172 .255 Mask:255.255.255.0	inet addr:172 .7 Bcast:172 .255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1	UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
eth0:mgmtip Link encap:Ethernet HWaddr	eth0:mgmtip Link encap:Ethernet HWaddr
inet addr: Bcast:10.31.123.255 Mask:255.255.255.0	inet addr: Bcast Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1	UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
<pre>lo Link encap:Local Loopback</pre>	<pre>lo Link encap:Local Loopback</pre>
inet addr:127.0.0.1 Mask:255.0.0.0	inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:65536 Metric:1	UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:15509057612 errors:0 dropped:0 overruns:0 frame:0	RX packets:12876504225 errors:0 dropped:0 overruns:0 frame:0
TX packets:15509057612 errors:0 dropped:0 overruns:0 carrier:0	TX packets:12876504225 errors:0 dropped:0 overruns:0 carrier:0
collision:0 txqueuelen:1000	collisions:0 txqueulen:1000
RX bytes:3349146489309 (3.3 TB) TX bytes:3349146489309 (3.3 TB)	RX bytes:2722351786798 (2.7 TB) TX bytes:2722351786798 (2.7 TB)
[hxshell:-\$ ping 172 .9 PING 172 .9 (172 .9) 56(84) bytes of data. 64 bytes from 172 .9: icmp_seq=1 ttl=64 time=0.332 ms 64 bytes from 172 .9: icmp_seq=2 ttl=64 time=0.119 ms 64 bytes from 172 .9: icmp_seq=3 ttl=64 time=0.127 ms 64 bytes from 172 .9: icmp_seq=3 ttl=64 time=0.107 ms 64 bytes from 172 .9: icmp_seq=4 ttl=64 time=0.108 ms 64 bytes from 172 .9: icmp_seq=4 ttl=64 time=0.132 ms 64 bytes from 172 .9: icmp_seq=2 ttl=64 time=0.113 ms 64 bytes from 172 .9: icmp_seq=2 ttl=64 time=0.132 ms 64 bytes from 172 .9: icmp_seq=3 ttl=64 time=0.114 ms 64 bytes from 172 .9: icmp_seq=4 ttl=64 time=0.114 ms 64 bytes from 172 .9: icmp_seq=9 ttl=64 time=0.144 ms 7C .9 ping statistics 9 packets transmitted, 9 received, 0% packet loss, time 8194ms rtt min/ang/max/mdex = .064 ms	hxshell:-\$ ping 172 .3 PING 172 .3 (172 .3) 56(84) bytes of data. 64 bytes from 172 .3: icmp_seq=1 ttl=64 time=0.158 ms 64 bytes from 172 .3: icmp_seq=2 ttl=64 time=0.137 ms 64 bytes from 172 .3: icmp_seq=3 ttl=64 time=0.115 ms 64 bytes from 172 .3: icmp_seq=2 ttl=64 time=0.107 ms 64 bytes from 172 .3: icmp_seq=2 ttl=64 time=0.108 ms 64 bytes from 172 .3: icmp_seq=4 ttl=64 time=0.148 ms 64 bytes from 172 .3: icmp_seq=4 ttl=64 time=0.149 ms 64 bytes from 172 .3: icmp_seq=2 ttl=64 time=0.149 ms 64 bytes from 172 .3: icmp_seq=9 ttl=64 time=0.149 ms 64 bytes from 172 .3: icmp_seq=9 ttl=64 time=0.145 ms 7C .3: icmp_seq=4 ttl=64 time=0.145 ms ~
rtt min/avg/max/mdev = 069 ms	rtt min/avg/max/mdev = 019 ms
hxshell:~\$	hxshell:~\$

Eth2 Ping測試示例

- 確保兩個群集中的複製VLAN匹配。
- 確保已在群集之間的所有路徑中正確配置複製VLAN。
- 確保複製網路的本地和遠端群集中的MTU均匹配
- 使用Test Remote Replication Network選項驗證連線。選擇複製,在集群配對中選擇操作 > 測 試遠端複製網路:

· · · · · ·	Network Configured Unlimited						Actions	×			
MONITOR											
Q Alarms	Cluster Pairing DATASTORE MAPPED Renlication Demo Man Datastores						Actions	~			
C Events	Replication of http://www.com					Test	Remote Replication				
	OUTGOING REPLICATION VMs () To protect virtual machines on to the Virtual Machines name select one or more virtual machines and click					Netw	/ork				
Activity	Active		0	Prote	ct						
ANALYZE	INCOMING REPLICATION		VMs								
Performance	Active		0						Edit [Datastore Mapping	
PROTECT	ROTECT Local VMs Remote VMs Replication Activity Replication Pairs Last refreshed at: 02/10/2024 12:29:39 PM										
C Replication	Create Replication Pa	ir 🖉 Edit 🗙 Delete							÷ ۲	Filter	
MANAGE	Name	Remote Cluster	Remote Cluster	Status	VMs Outgoing	Replications Outgoing	VMs Incoming	Replications Incomi	ng	Mapped Datastore	s ~
System Information	h. Restanting Deserv	-			A 194		A 184				
Datastores	> ReplicationDemo		Online		0 Protection Groups	0	0 Protection Groups	0		0	
ISCSI	1 - 1 of 1										
Virtual Machines											
↑ Upgrade											
≻ Web CLI											
A Kubernetes											

測試遠端複製網路

• 在活動頁籤中監視此操作。

測試成功的範例:

MONITOR			
△ Alarms	OR REPLICATION PAIR NETWORK CHECK-ReplicationDemo		
È Events	Status: Success 02/10/2024 8:22:51 AM	DR REPLICATION PAIR NETWORK CHECK	 Test Replication Network (Direction: Both, MTU: 1500)
Activity		San_Jose	Validation test Gateway connectivity check disabled.: Gateway connectivity check disabled.
ANALYZE			Local Cluster Replication Network is valid. Local Cluster Replication Network is valid. Replication Cluster IB 173 Replication Cluster IB
Performance			 Preer Gaster Replication Gaster in 1727 reachable from 172
		Tokio	✓ Validation test
PROTECT			 Gateway connectivity check disabled.: Gateway connectivity check disabled.
C Replication			 Local Cluster Replication Network is valid.: Local Cluster Replication Network is valid.
MANAGE			 Peer Cluster Replication Cluster IP 172. 2 reachable from 172. 8: Peer Cluster Replication Cluster IP 1 72. 2 reachable from 172. 8.
		San_Jose-San-Jose-Server-3	 Connectivity test passed
System Information			✓ Connectivity successful from 1725: Connectivity successful from 1725 to 17211, 172. .10, 1725, 1728
🖂 Datastores			 Firewall check for DR Network: Firewall check for DR Network passed
🕼 iscsi			 Port Connectivity successful from 172. 5: Port Connectivity successful from 172. 5 to all ports on 172. .11, 17210, 1729, 1728
Virtual Machines			 Firewall check for DR Pairing: Firewall check for DR Pairing passed
↓ Upgrade		Tokio-Tokio-server-1	✓ Connectivity test passed
			 Firewall check for DR Network: Firewall check for DR Network passed
>_ Web CLI			 Connectivity successful from 172. 8: Connectivity successful from 172. 8 to 172. A, 172. 5, 172. 3
G Kubernetes			Port Connectivity successful from 1728: Port Connectivity successful from 1728 to all ports on 172. .4, 1725, 1723
			 Firewall check for DR Pairing: Firewall check for DR Pairing passed
		Tokio-Tokio-server-3	 Connectivity test passed
			 Port Connectivity successful from 172. .9: Port Connectivity successful from 172. .9 to all ports on 172.

成功的測試範例

測試失敗的範例:

MONITOR	OR REPLICATION PAIR NETWORK CHECK-ReplicationDemo						
Q Alarms	Status: Failed 02/10/2024 7:55:35 AM	DR REPLICATION PAIR NETWORK CHECK	1	Test Replication Network (Direction: Both, MTU: 1500)			
🟠 Events		San_Jose	1	Validation test			
				 Gateway connectivity check disabled.: Gateway connectivity check disabled. 			
Activity				 Local Cluster Replication Network is valid.: Local Cluster Replication Network is valid. 			
ANALYZE				Peer Cluster Replication Cluster IP 1727 reachable from 1723.: Peer Cluster Replication Cluster IP 1 727 reachable from 1723.			
all Performance	Performance			Validation test			
				 Gateway connectivity check disabled.: Gateway connectivity check disabled. 			
PROTECT				 Local Cluster Replication Network is valid.: Local Cluster Replication Network is valid. 			
C Replication				Peer Cluster Replication Cluster IP 1722 reachable from 1728.: Peer Cluster Replication Cluster IP 1 722 reachable from 1728.			
MANAGE		San_Jose-San-Jose-Server-2	1	Please check cluster logs. Unable to reach the peer nodes with replication IP 17210			
System Information				 Port Connectivity successful from 1723: Port Connectivity successful from 1723 to all ports on 172. .11, 1729, 1728 			
				 Firewall check for DR Network: Firewall check for DR Network passed 			
Datastores				Connectivity fails from 1723: Please check cluster logs. Unable to reach the peer nodes with replication IP 17210			
🗟 iSCSI				Port Connectivity fails from 1723: [to 3049;9098;4049;4059 on 17210]			
Virtual Machines				Connectivity successful from 1723: Connectivity successful from 1723 to 17211, 172. .9, 1728			
				 Firewall check for DR Paining: Firewall check for DR Pairing passed 			
1 Upgrade		Tokio-Tokio-server-2	1	Please check cluster logs. Unable to reach the peer nodes with replication IP 172. 4, 1725, 1723			
>_ Web CLI				Connectivity fails from 17210: Please check cluster logs. Unable to reach the peer nodes with replication IP 1724, 1725, 1723			
Kubernetes				 Firewall check for DR Network: Firewall check for DR Network passed 			
				Port Connectivity fails from 17210: [to 3049,9098,4049,4059 on 1724], [to 3049,9098,4049,4059 o n 1725], [to 3049,9098,4049,4059 on 1723]			
				 Firewall check for DR Pairing: Firewall check for DR Pairing passed 			

測試失敗

相關資訊

- <u>Cisco HyperFlex資料平台管理指南5.0版</u>
- <u>思科HyperFlex資料平台CLI指南5.0版</u>
- 思科技術支援與下載

關於此翻譯

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