

# 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。

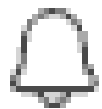
## 程式

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：



Dashboard

## MONITOR



Alarms

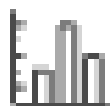


Events



Activity

## 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      .3
          inet addr:172      .3 Bcast:172      .255 Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:797975 errors:0 dropped:87 overruns:0 frame:0
          TX packets:799505 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:74023721 (74.0 MB)  TX bytes:74168965 (74.1 MB)

eth2:0    Link encap:Ethernet  HWaddr      .2
          inet addr:172      .2 Bcast:172      .255 Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1

eth0:mgmtip Link encap:Ethernet  HWaddr
          inet addr:      Bcast:10.31.123.255 Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1

lo        Link encap:Local Loopback
          inet addr:127.0.0.1 Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:15509057612 errors:0 dropped:0 overruns:0 frame:0
          TX packets:15509057612 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3349146489309 (3.3 TB)  TX bytes:3349146489309 (3.3 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=4 ttl=64 time=0.107 ms
64 bytes from 172      .9: icmp_seq=5 ttl=64 time=0.106 ms
64 bytes from 172      .9: icmp_seq=6 ttl=64 time=0.132 ms
64 bytes from 172      .9: icmp_seq=7 ttl=64 time=0.123 ms
64 bytes from 172      .9: icmp_seq=8 ttl=64 time=0.114 ms
64 bytes from 172      .9: icmp_seq=9 ttl=64 time=0.144 ms
^C
--- 172      .9 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8194ms
rtt min/avg/max/mdev =
      069 ms
hxshell:~$
```

```
eth2      Link encap:Ethernet  HWaddr      .9
          inet addr:172      .9 Bcast:172      .255 Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:30774 errors:0 dropped:29 overruns:0 frame:0
          TX packets:32960 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:2893235 (2.8 MB)  TX bytes:3141789 (3.1 MB)

eth2:0    Link encap:Ethernet  HWaddr      .7
          inet addr:172      .7 Bcast:172      .255 Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1

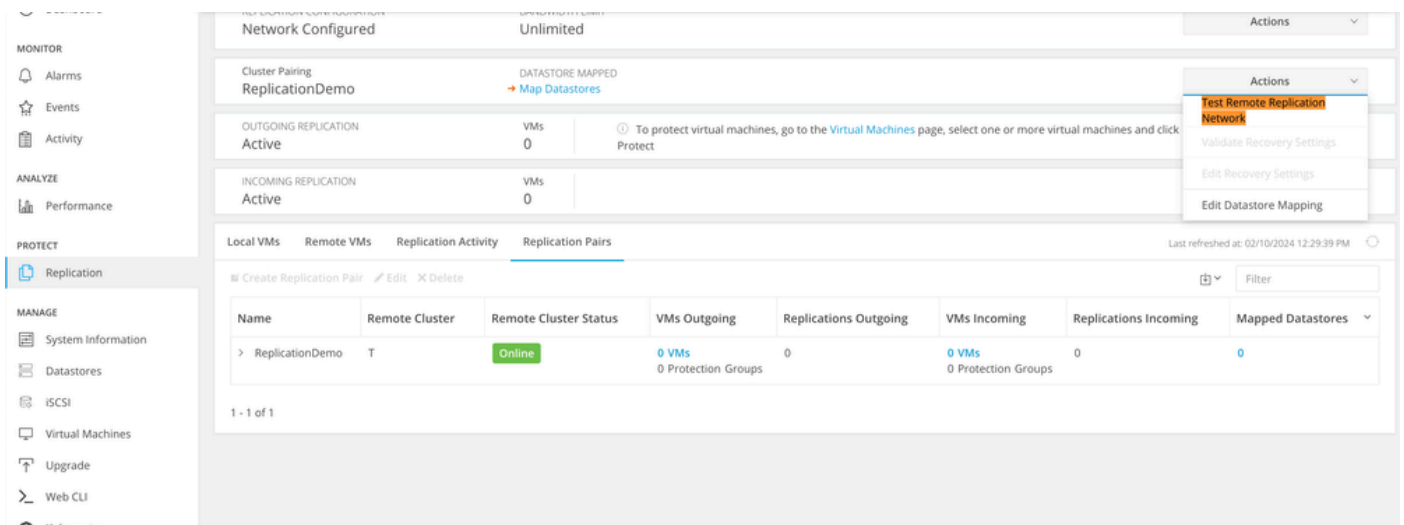
eth0:mgmtip Link encap:Ethernet  HWaddr
          inet addr:      Bcast
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1

lo        Link encap:Local Loopback
          inet addr:127.0.0.1 Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:12876504225 errors:0 dropped:0 overruns:0 frame:0
          TX packets:12876504225 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:2722351786798 (2.7 TB)  TX bytes:2722351786798 (2.7 TB)

[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=4 ttl=64 time=0.107 ms
64 bytes from 172      .3: icmp_seq=5 ttl=64 time=0.143 ms
64 bytes from 172      .3: icmp_seq=6 ttl=64 time=0.105 ms
64 bytes from 172      .3: icmp_seq=7 ttl=64 time=0.149 ms
64 bytes from 172      .3: icmp_seq=8 ttl=64 time=0.140 ms
64 bytes from 172      .3: icmp_seq=9 ttl=64 time=0.145 ms
^C
--- 172      .3 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8199ms
rtt min/avg/max/mdev =
      019 ms
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：



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
- Events
- Activity

ANALYZE

- Performance

PROTECT

- Replication

MANAGE

- System Information
- Datastores
- iSCSI
- Virtual Machines
- Upgrade
- Web CLI
- Kubernetes

DR REPLICATION PAIR NETWORK CHECK-ReplicationDemo  
Status: Success  
02/10/2024 8:22:51 AM

DR REPLICATION PAIR NETWORK CHECK ✓ Test Replication Network (Direction: Both, MTU: 1500)

San\_Jose ✓ Validation test

- Gateway connectivity check disabled: Gateway connectivity check disabled.
- Local Cluster Replication Network is valid: Local Cluster Replication Network is valid.
- Peer Cluster Replication Cluster IP 172. .7 reachable from 172. .3: Peer Cluster Replication Cluster IP 172. .7 reachable from 172. .3.

Tokio ✓ Validation test

- Gateway connectivity check disabled: Gateway connectivity check disabled.
- Local Cluster Replication Network is valid: Local Cluster Replication Network is valid.
- Peer Cluster Replication Cluster IP 172. .2 reachable from 172. .8: Peer Cluster Replication Cluster IP 172. .2 reachable from 172. .8.

San\_Jose-San-Jose-Server-3 ✓ Connectivity test passed

- Connectivity successful from 172. .5: Connectivity successful from 172. .5 to 172. .11, 172. .10, 172. .9, 172. .8
- Firewall check for DR Network: Firewall check for DR Network passed
- Port Connectivity successful from 172. .5: Port Connectivity successful from 172. .5 to all ports on 172. .11, 172. .10, 172. .9, 172. .8
- Firewall check for DR Pairing: Firewall check for DR Pairing passed

Tokio-Tokio-server-1 ✓ Connectivity test passed

- Firewall check for DR Network: Firewall check for DR Network passed
- Connectivity successful from 172. .8: Connectivity successful from 172. .8 to 172. .4, 172. .5, 172. .3
- Port Connectivity successful from 172. .8: Port Connectivity successful from 172. .8 to all ports on 172. .4, 172. .5, 172. .3
- 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. .9

成功的測試範例

## 測試失敗的範例：

MONITOR

- Alarms
- Events
- Activity

ANALYZE

- Performance

PROTECT

- Replication

MANAGE

- System Information
- Datastores
- iSCSI
- Virtual Machines
- Upgrade
- Web CLI
- Kubernetes

DR REPLICATION PAIR NETWORK CHECK-ReplicationDemo  
Status: Failed  
02/10/2024 7:55:35 AM

DR REPLICATION PAIR NETWORK CHECK ! Test Replication Network (Direction: Both, MTU: 1500)

San\_Jose ✓ Validation test

- Gateway connectivity check disabled: Gateway connectivity check disabled.
- Local Cluster Replication Network is valid: Local Cluster Replication Network is valid.
- Peer Cluster Replication Cluster IP 172. .7 reachable from 172. .3: Peer Cluster Replication Cluster IP 172. .7 reachable from 172. .3.

Tokio ✓ Validation test

- Gateway connectivity check disabled: Gateway connectivity check disabled.
- Local Cluster Replication Network is valid: Local Cluster Replication Network is valid.
- Peer Cluster Replication Cluster IP 172. .2 reachable from 172. .8: Peer Cluster Replication Cluster IP 172. .2 reachable from 172. .8.

San\_Jose-San-Jose-Server-2 ! Please check cluster logs. Unable to reach the peer nodes with replication IP 172. .10

- Port Connectivity successful from 172. .3: Port Connectivity successful from 172. .3 to all ports on 172. .11, 172. .9, 172. .8
- Firewall check for DR Network: Firewall check for DR Network passed
- Connectivity fails from 172. .3: Please check cluster logs. Unable to reach the peer nodes with replication IP 172. .10
- Port Connectivity fails from 172. .3: [ to 3049,9098,4049,4059 on 172. .10]
- Connectivity successful from 172. .3: Connectivity successful from 172. .3 to 172. .11, 172. .9, 172. .8
- Firewall check for DR Pairing: Firewall check for DR Pairing passed

Tokio-Tokio-server-2 ! Please check cluster logs. Unable to reach the peer nodes with replication IP 172. .4, 172. .5, 172. .3

- Connectivity fails from 172. .10: Please check cluster logs. Unable to reach the peer nodes with replication IP 172. .4, 172. .5, 172. .3
- Firewall check for DR Network: Firewall check for DR Network passed
- Port Connectivity fails from 172. .10: [ to 3049,9098,4049,4059 on 172. .4], [ to 3049,9098,4049,4059 on 172. .5], [ to 3049,9098,4049,4059 on 172. .3]
- Firewall check for DR Pairing: Firewall check for DR Pairing passed

測試失敗

## 相關資訊

- [Cisco HyperFlex資料平台管理指南5.0版](#)
- [思科HyperFlex資料平台CLI指南5.0版](#)
- [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）。