將HX中的已列入黑名單的驅動器或故障驅動器對映到UCS

目錄

簡介

本文檔介紹如何將HX中列入黑名單的驅動器對映到UCS中的驅動器。這有助於排除故障,識別Hyperflex環境中列入黑名單的驅動器和驅動器的PID。 在此過程中,我們將同時需要HX和UCS日誌。或者,您也可以通過SSH連線到裝置後,運行在即時系統上提供的命令。

確認儲存支援套件中的驅動器

```
/var/log/springpath/diskslotmap-v2.txt
1.2.1:55cd2e414d9c5754:Intel:INTEL_SSDSC2BX016T4K:BTHC702104YY1P6PGN:G201CS01:SATA:SSD:1526185:Inactive:/dev/sdc
1.2.2:5000c50093bb784b:SEAGATE:ST1200MM0088:Z401A1Q00000C732VC38:N004:SAS:10500:1144641:Active:/dev/sdd
1.2.3:5000c50093bb79e3:SEAGATE:ST1200MM0088:Z401A1R50000C731NZPQ:N004:SAS:10500:1144641:Active:/dev/sde
1.2.4:5000c50093bb44fb:SEAGATE:ST1200MM0088:Z4019TBD0000C734EDN2:N004:SAS:10500:1144641:Active:/dev/sdf
1.2.5:5000c50098c02517:SEAGATE:ST1200MM0088:S402MYZ30000E711CNZS:N004:SAS:10500:1144641:Active:/dev/sdg
1.2.6:5000c50093aef283:SEAGATE:ST1200MM0088:Z4017Z8S0000C7332TP0:N004:SAS:10500:1144641:Active:/dev/sdh
1.2.7:5000c50093aed897:SEAGATE:ST1200MM0088:Z401756R0000C732SZXS:N004:SAS:10500:1144641:Active:/dev/sdi
1.2.8:5000c50093afdc97:SEAGATE:ST1200MM0088:Z40185SK0000C7332WWZ:N004:SAS:10500:1144641:Active:/dev/sdj
1.2.9:5000c50093affc0f:SEAGATE:ST1200MM0088:Z4016WGF0000C7323GJD:N004:SAS:10500:1144641:Active:/dev/sdk
1.2.10:5000c50093bb1133:SEAGATE:ST1200MM0088:Z4019WEB0000C734EGAF:N004:SAS:10500:1144641:Active:/dev/sdl
1.2.11:5000c50093bb6487:SEAGATE:ST1200MM0088:Z401A2FR0000C734HM49:N004:SAS:10500:1144641:Active:/dev/sdm
1.2.12:5000c50093bb6db7:SEAGATE:ST1200MM0088:Z401A22C0000C734HPDP:N004:SAS:10500:1144641:Active:/dev/sdn
1.2.13:5000c50093bb403f:SEAGATE:ST1200MM0088:Z4019TCV0000C734EF4S:N004:SAS:10500:1144641:Active:/dev/sdo
1.2.14:5000c50093bb6633:SEAGATE:ST1200MM0088:Z401A2C40000C734HQF5:N004:SAS:10500:1144641:Active:/dev/sdp
```

```
1.2.15:5000c50093bb4423:SEAGATE:ST1200MM0088:Z4019TBR0000C734EDLY:N004:SAS:10500:1144641:Active:
/dev/sdq
1.2.16:5000c50093bb75ff:SEAGATE:ST1200MM0088:Z401A1SC0000C734HMBL:N004:SAS:10500:1144641:Active:
/dev/sdr
1.2.17:5000c50093a66f67:SEAGATE:ST1200MM0088:Z4016C2Y0000C7324EPZ:N004:SAS:10500:1144641:Active:
/dev/sds
1.2.18:5000c50093a67813:SEAGATE:ST1200MM0088:Z4016RC20000C7324GS4:N004:SAS:10500:1144641:Active:
/dev/sdt
1.2.19:5000c50093a695db:SEAGATE:ST1200MM0088:Z4016PWY0000C732A8DR:N004:SAS:10500:1144641:Active:
/dev/sdu
1.2.20:5000c50093a675b7:SEAGATE:ST1200MM0088:Z4016RP30000C7323J1C:N004:SAS:10500:1144641:Active:
/dev/sdv
1.2.21:5000c50093a662c7:SEAGATE:ST1200MM0088:Z4016BME0000C727L0BG:N004:SAS:10500:1144641:Active:
/dev/sdw
1.2.22:5000c50093a68ac7:SEAGATE:ST1200MM0088:Z4016QHP0000C732ADRB:N004:SAS:10500:1144641:Active:
/dev/sdx
1.2.23:5000c50093a66597:SEAGATE:ST1200MM0088:Z4016BGP0000C7324JEL:N004:SAS:10500:1144641:Active:
/dev/sdy
1.2.24:5000c50093a686eb:SEAGATE:ST1200MM0088:Z4016BA50000C7323HYD:N004:SAS:10500:1144641:Active:
/dev/sdz
```

```
/cmds_output/stcli_node_list.txt ...
---------------------------------------
      blacklistCount: 1
      medium: solidstate
      capacity: 1.3T
      state: blacklisted <<<<<<
      version: 0
      entityRef:
          type: disk
          id: 55cd2e414d9c5754:0000000000000000
      usage: caching
      lastModifiedTime: 1539801326000
      usedCapacity: 164.0M
---------------------------------------
```

步驟1.在上述/var/log/springpath/diskslotmap-v2.txt的輸出中，驗證磁碟是否處於「非活動」狀態。 請注意磁碟插槽、磁碟的ID、供應商型號和磁碟的序列號。

步驟2.在/cmds_output/stcli_node_list.txt的輸出中，確認該驅動器已列入黑名單，且它與我們在上述步驟1中獲得的ID匹配。

從HX系統驗證資訊

您需要在即時系統上運行這些命令，然後按照上面相應的HX步驟操作

```
cat /var/log/springpath/diskslotmap-v2.txt
stcli node list
```

將驅動器對映到主機

步驟1.第一步是從HX連線獲取失敗的磁碟識別符號。

步驟2. 使用命令cat stevents.log和grep獲取磁碟識別符號以獲取節點ID。

步驟3.運行"stcli cluster info | less",將節點標識符與主機的IP地址進行匹配。

```
cat /var/log/springpath/stevents.logs | grep 55cd2e414d9c5754
2016-06-13 22:22:55,657 INFO Event Posted Successfully: DiskFailedEvent, Disk
55cd2e414d9c5754:0000000000000000 on node 1276a402564d0cb9:995b4d5ec32beabc failed,
1465856569490
```

```
Stcli cluster info | less
stNodes:
    ----------------------------------------
    type: node
    id: 5a2595a9-1678-9343-9351-e854cc98d027
    name: 172.X.X.193
    ----------------------------------------
    type: node <<<<<<     id: 1276a402564d0cb9:995b4d5ec32beabc      name: 172.X.X.194
    ----------------------------------------
    type: node
    id: ba8f98a6-09da-2440-9609-50d91a241c86
    name: 172.X.X.192
    ----------------------------------------
    type: node
    id: be108c11-3584-0b49-94d2-18ca9e6543da
    name: 172.X.X.195
    ----------------------------------------
```

通過UCSM sam_techsupportinfo將驅動器序列號對映到UCS

```
`show server inventory expand`
Server 1:
...
Local Disk 1:
            Product Name: 1.6TB 2.5 inch Enterprise performance 6G SATA SSD (3X  endurance)
            PID: UCS-SD16TB12S3-EP
            VID: V01
            Vendor: ATA
            Model: INTEL SSDSC2BX016T4K <<<<<<
            Vendor Description: Intel
            Serial: BTHC652200H01P6PGN <<<<<<
            HW Rev: 0
            Block Size: 512
            Blocks: 3125626880
            Operability: Operable
            Oper Qualifier Reason: N/A
            Presence: Equipped
            Size: 1526185
            Drive State: Unconfigured Good
            Power State: Active
            Link Speed: 6 Gbps
            Device Version: CS01
            Device Type: SSD
            Thermal: N/A
```

在sam_techsupportinfo中，搜尋Serial Number(來自上述步驟1)。 從此處查詢出現故障的驅動器並從其獲取Cisco PID。如果您想從UCS端檢視它安裝在哪個伺服器上，則需要向上滾動日誌直到您獲得伺服器編號和資訊。您還可以從該輸出中獲取其餘的伺服器配置。

驗證來自UCS系統的資訊

您將需要通過UCSM GUI或SSH檢查UCSM IP地址並運行以下命令，然後執行上述相應的UCS步驟。

通過GUI檢查

導航到UCSM > Server X > Inventory > Storage > Disks > Expand All > Serial Column

通過CLI檢查

顯示所有伺服器的清單

```
HX-UCSM-B# show server inventory storage detail
```

或者，如果您知道要在哪個伺服器上擴展清單，

```
HX-UCSM-B# scope server 1
HX-UCSM-B /server # show inventory storage detail
```