

知 HPE Synergy 12000 通过PowerShell 远程对刀片节点进行 Remove/Insert 操作

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组网及说明

刀箱: Synergy 12000

问题描述

如何对Synergy的刀片节点进行远程物理插拔, 类似于C7000的 reset server X

过程分析

C7000刀箱可以通过OA登录命令行, 然后对指定bay位的刀片节点进行reset server X, 相当于物理重新插拔。

Synergy 12000是通过Composer (OneView) 管理的, 客户是没有oneview的root shell权限的, 那么就需要借助于PowerShell来完成efuse操作, 相当于C7000的reset server X动作。

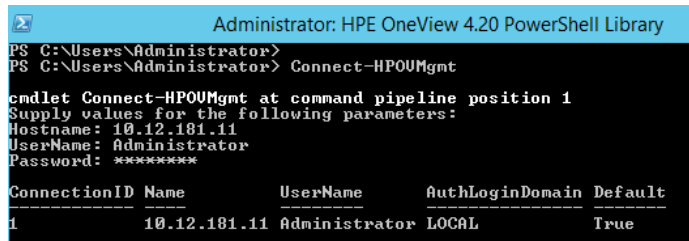
解决方法

1. 到GitHub网站下载对应的PowerShell版本, 与oneview版本是一一对应的。

<https://github.com/HewlettPackard/POSH-HPOneView/releases/>

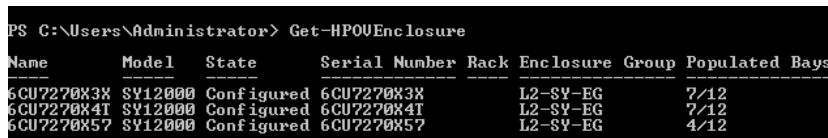
2. 通过PowerShell登录OneView

```
PS C:\Users\Administrator> Connect-HPOVMgmt
cmdlet Connect-HPOVMgmt at command pipeline position 1
Supply values for the following parameters:
Hostname: 10.12.181.11
UserName: Administrator
Password: *****
ConnectionID Name      UserName      AuthLoginDomain Default
-----
1      10.12.181.11 Administrator LOCAL          True
```



3. 查询刀箱信息

```
PS C:\Users\Administrator> Get-HPOVEnclosure
Name      Model  State   Serial Number Rack Enclosure Group Populated Bays
-----
6CU7270X3X SY12000 Configured 6CU7270X3X L2-SY-EG 7/12
6CU7270X4T SY12000 Configured 6CU7270X4T L2-SY-EG 7/12
6CU7270X57 SY12000 Configured 6CU7270X57 L2-SY-EG 4/12
```



4. 对指定刀箱的bay位节点进行efuse操作

```
PS C:\Users\Administrator> Get-HPOVEnclosure -Name 6CU7270X57 | Reset-HPOVEnclosureDevice -Component Device -DeviceID 4 -Efuse
Confirm
Are you sure you want to perform this action?
Performing the operation "Reset power for device" on target "Device 4 within 6CU7270X57".
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help
(default is "Y"):Y
Appliance Name      Owner      Created      Duration
-----
10.12.181.11 E-fuse device bay 4 Administrator 10/25/2019 12:00:31 AM 00:00:02
```

```

Administrator: HPE OneView 4.20 PowerShell Library
PS C:\Users\Administrator>
PS C:\Users\Administrator> Connect-HP0Umgmt

E-fuse device bay 4 6CU7270X57
Running
]

Password: *****

ConnectionID Name           UserName      AuthLoginDomain Default
-----
1           10.12.181.11 Administrator LOCAL          True

PS C:\Users\Administrator> Get-HP0UEnclosure

Name      Model   State      Serial Number Rack Enclosure Group Populated Bays
-----
6CU7270X3M SY12000 Configured 6CU7270X3M      L2-SV-EG 7/12
6CU7270X4T SY12000 Configured 6CU7270X4T      L2-SV-EG 7/12
6CU7270X57 SY12000 Configured 6CU7270X57      L2-SV-EG 4/12

PS C:\Users\Administrator> Get-HP0UEnclosure -Name 6CU7270X57 ! Reset-HP0UEnclosureDevice -Component Device -DeviceID 4 -Efuse

Confirm
Are you sure you want to perform this action?
Performing the operation "Reset power for device" on target "Device 4 within 6CU7270X57".
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help
(default is "Y"):Y

```

5. 查看oneview界面，刀片的状态确实被移除，并且重新识别

The screenshot shows the OneView interface for enclosure 6CU7270X57. A yellow warning banner at the top states: "The LINK port on the frame link module in bay 2 is not connected. Learn More Active". Below this, the "Front View" of the enclosure is displayed as a grid of 12 bays. Bays 1, 2, and 3 contain servers, while bay 4 is empty and highlighted with a red box. Bays 5 through 12 are also empty.

6. 点击server hardware查看重新添加过程

The screenshot shows the "Hardware" details for a server in bay 4 of enclosure 6CU7270X57. The server is in the "Adding" state. Key details include:

- Server name: not set
- State: Adding
- Server profile: Create profile
- Server power: On
- Model: Synergy 480 Gen9
- Server hardware type: SY 480 Gen9 4
- Serial number: 6CU7270X5B
- ILO address: ILO6CU7270X5B and 2 additional

 The "Utilization" section shows CPU, Power, and Temperature levels.

7. 直到add完成，操作成功。

The screenshot shows the OneView interface after the server addition process is complete. A green banner at the top indicates: "Add Completed 1m51s". The server in bay 4 is now shown as a completed resource.