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

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
```
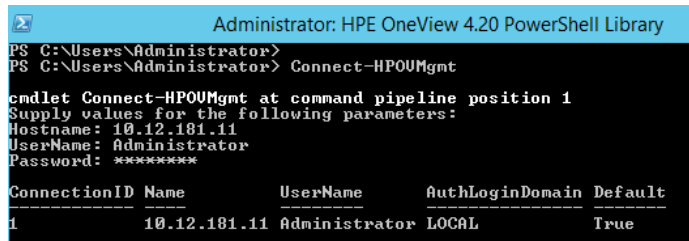

3. 查询刀箱信息

```
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
```
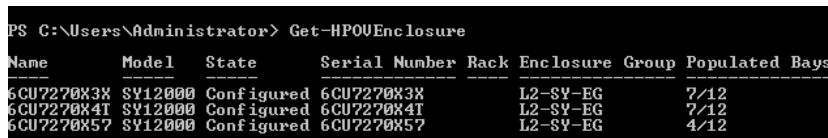

4. 对指定刀箱的bay位节点进行efuse操作

```
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
```

5. 查看oneview界面，刀片的状态确实被移除，并且重新识别

6. 点击server hardware查看重新添加过程

7. 直到add完成，操作成功。