链滴

ESXI | esxi6.0-6.7 下添加 USB 硬盘作为数据存储

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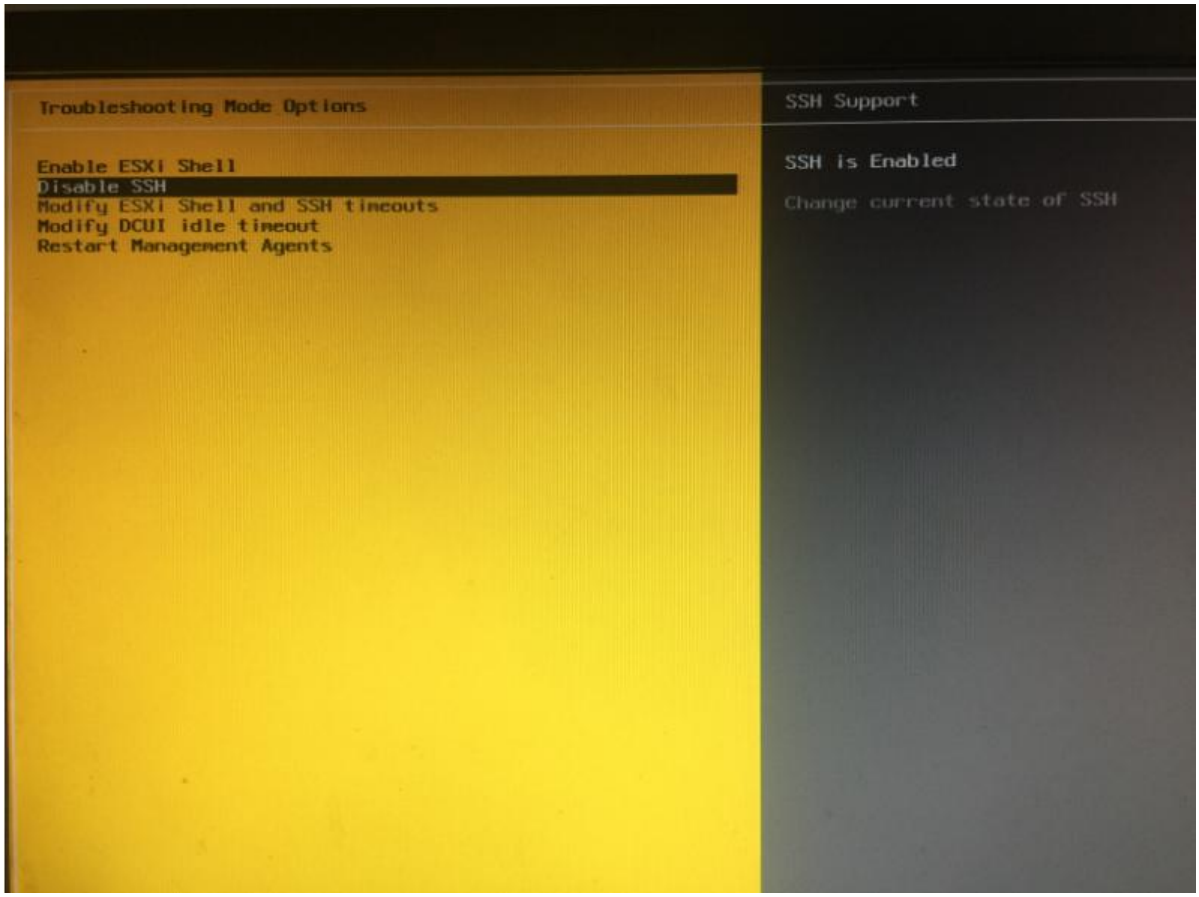
原文链接：https://ld246.com/article/1590942612335

来源网站：链滴

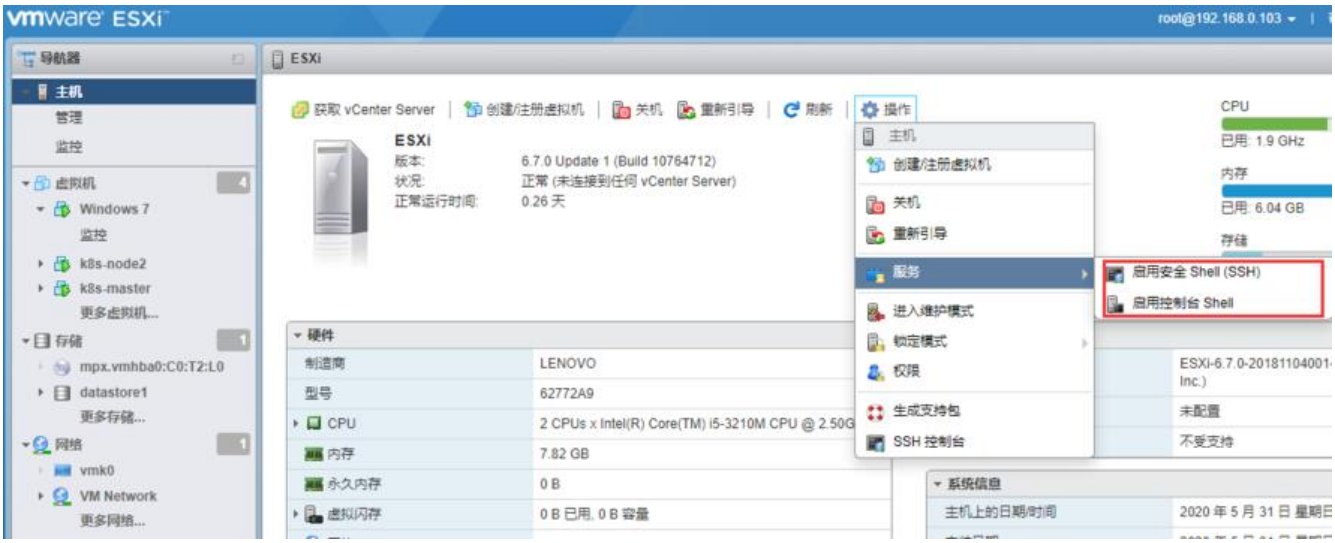
原文链接点击此处

一、在esxi物理机后台打开SSH的功能

按F2输入密码进入设置界面->Troubleshoot ing Options->Endabled



或者直接在web界面启用shell



二、在不接入USB硬盘的情况下输入以下命令

$ /etc/init.d/usbarbitrator stop

$ chkconfig usbarbitrator off

三、接入你的USB硬盘，输入以下命令,这时我们可以看到（Is USB:true）说明我们的usb硬盘已经被识别出来

esxcli storage core device list |grep -i usb

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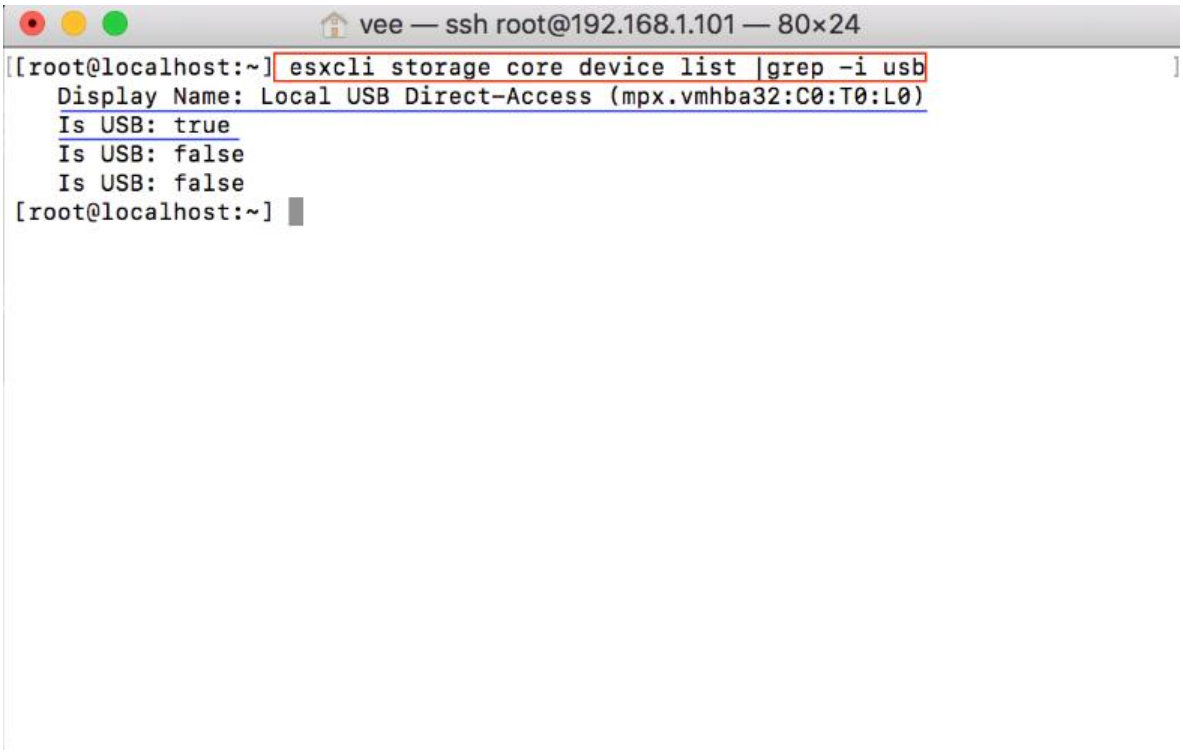
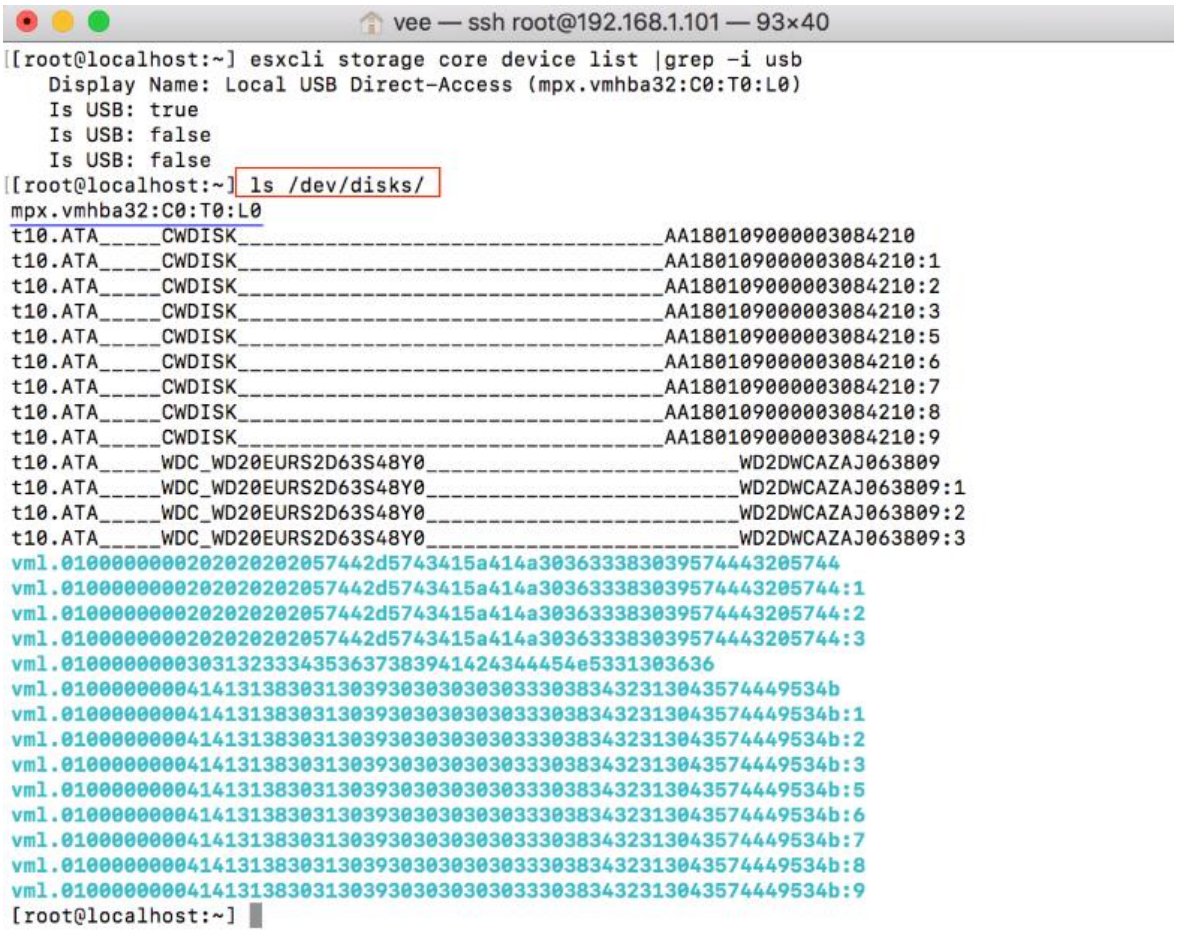


或

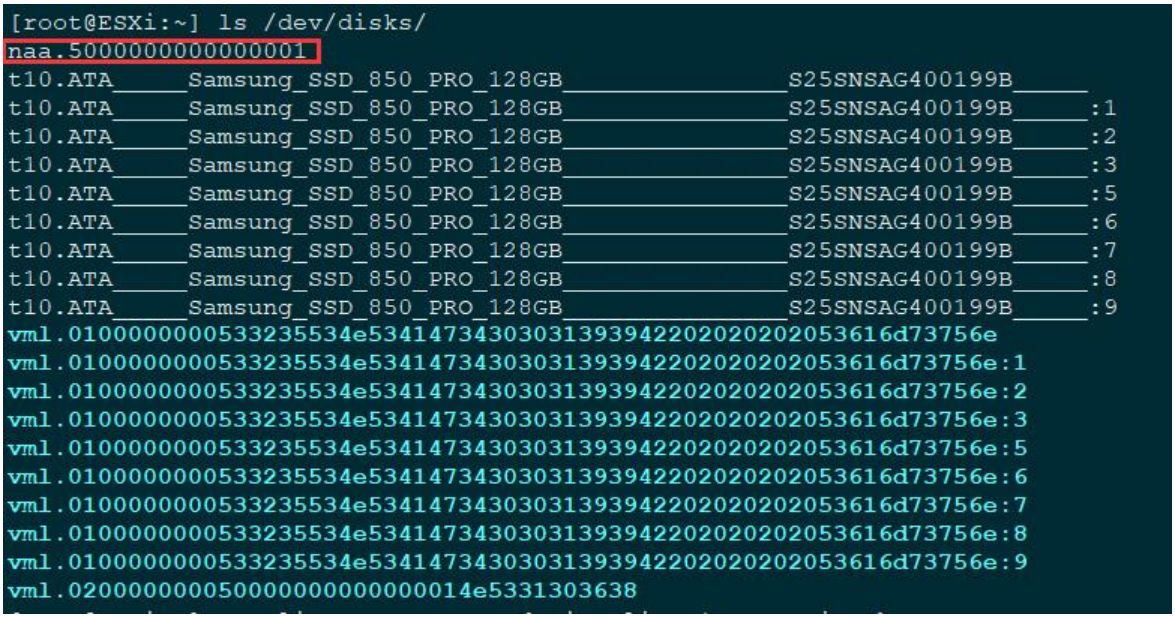
```
[root@ESXi:~] esxcli storage core device list | grep -i usb
   Is USB: false
   Display Name: Local USB Direct-Access (naa.5000000000000001)
   Is USB: true
   Is USB: false
```

四、输入以下命令，列出我们USB硬盘的信息显示为（mpx.mhba32:C0:T0:L0）这里的信息每个人的都不一样

ls /dev/disks/



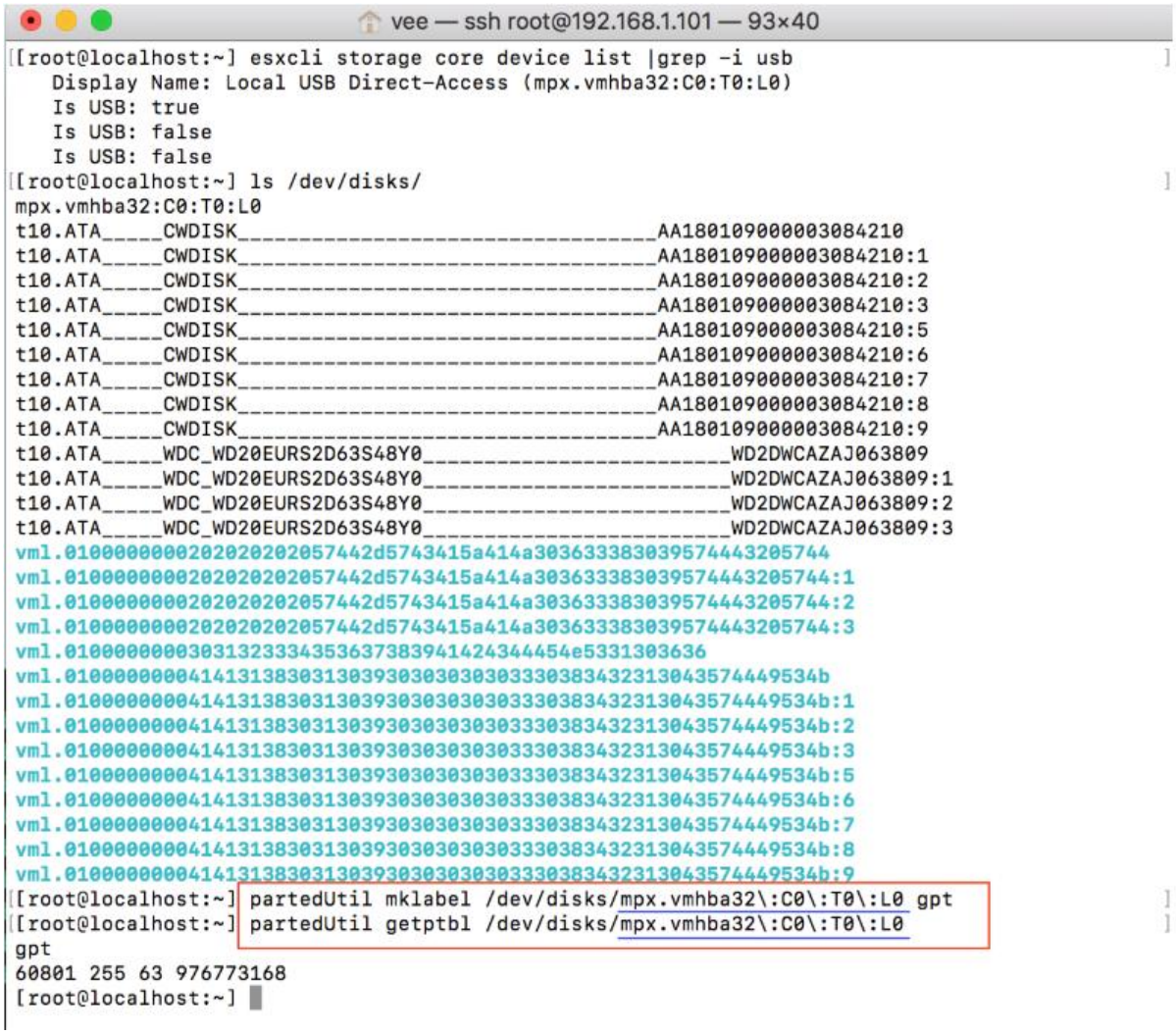
或



五、接下来我们输入以下两条命令，(mpx.vmhba32:C0:T0:0)这个值换成你上一步获取的那个值,并且在:前面加个\,就变成（mpx.vmhba32:C0:0:L0)

$ partedUtil mklabel /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt

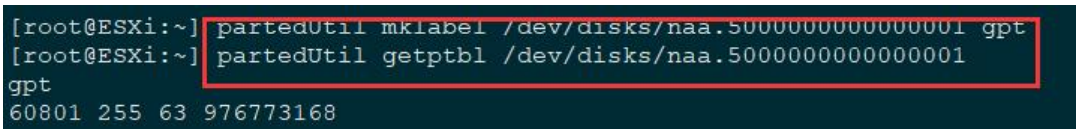
$ partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0



或

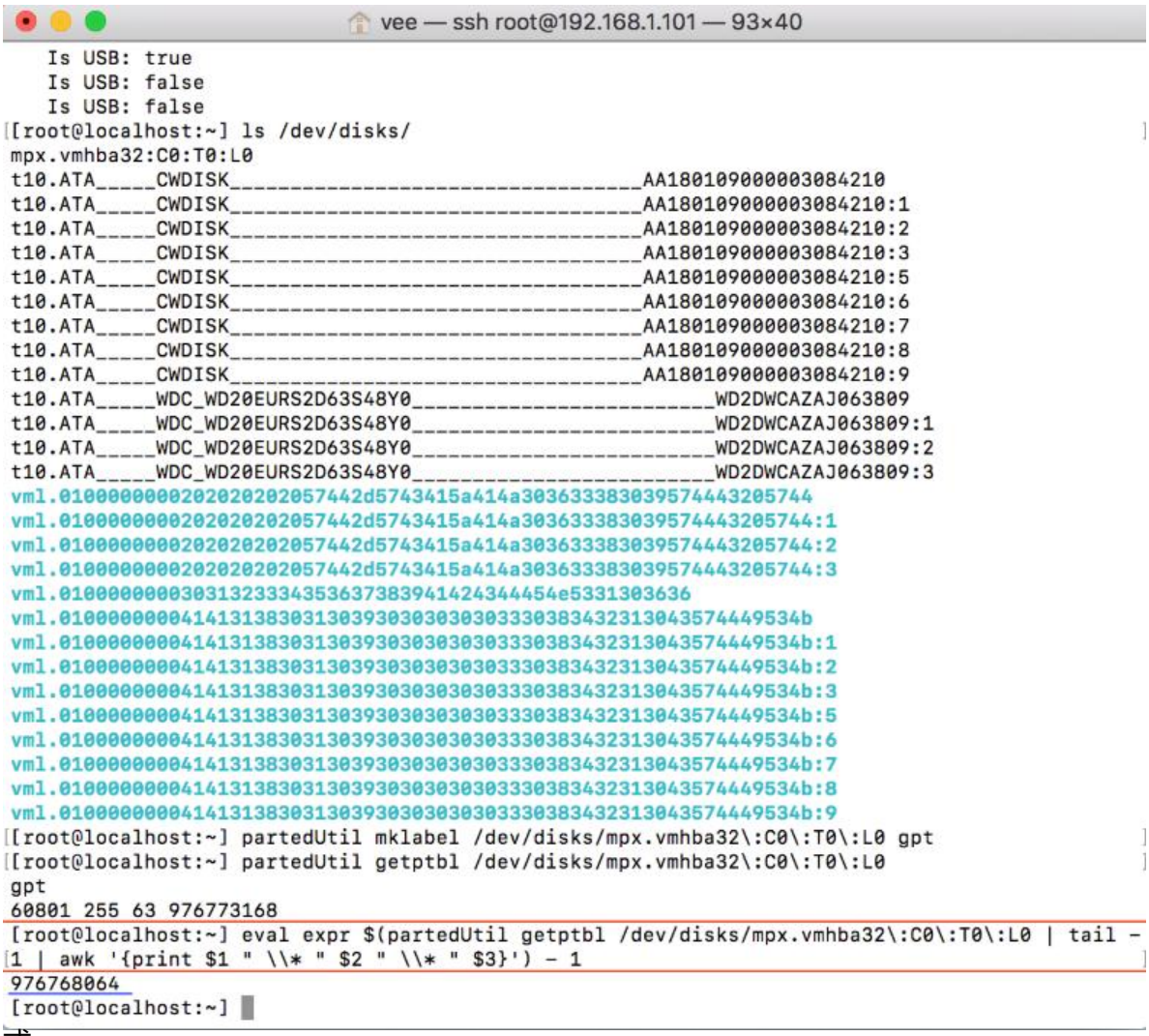
$ partedUtil mklabel /dev/disks/naa.5000000000000001 gpt

$ partedUtil getptbl /dev/disks/naa.5000000000000001



六、换算硬盘的二进制数值，输入以下命令（mpx.vmhba32:0:T0:L0）一样的换成你的数值，别忘了在:前面加\ 这样就会换算出来我们硬盘的数值，我的是976768064，这数值每个人的不一样

$ eval expr $(partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 | tail -1 | awk '{print $1 " * " $2 " * " $3}') - 1

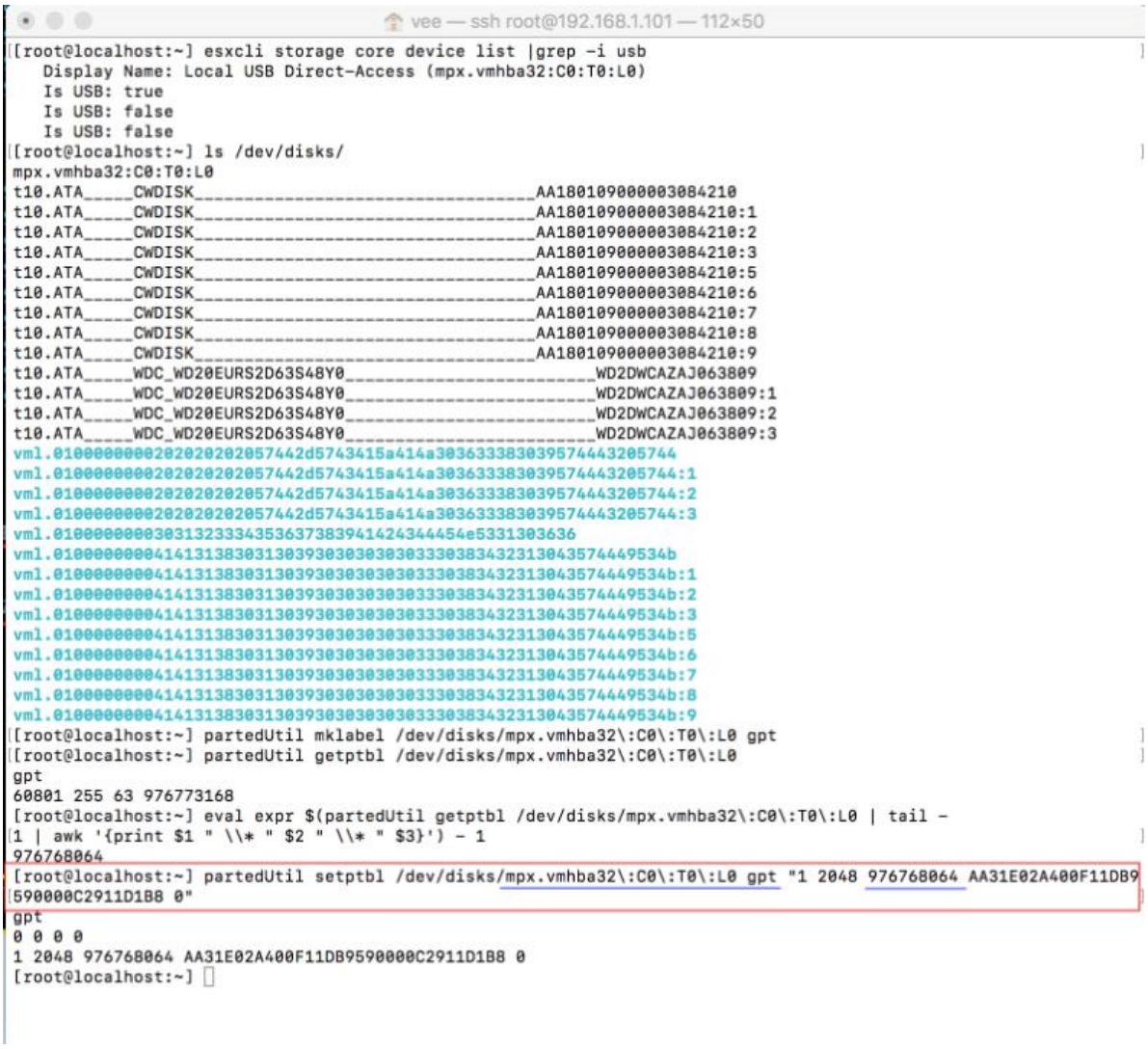


或

```
$ eval expr $(partedUtil getptbl /dev/disks/naa.5000000000000001 | tail -1 | awk '{print $1 " \\* " $2 " \\* " $3}') - 1
```

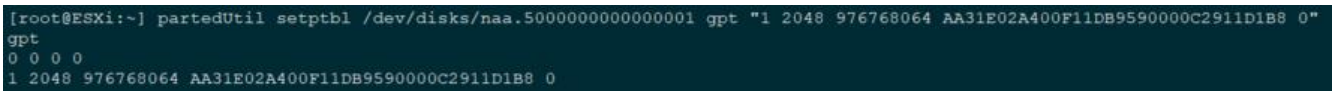
七、在输入以下命令来让系统识别我们的硬盘，（mpx.vmhba32:C0:T0:L0）修改为自己的盘数值，（976768064）修改为你上一步换算出来的数值

```
$ partedUtil setptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt "1 2048 976768064 AA31E02A400F11DB9590000C2911D1B8 0"
```



或

$ partedUtil setptbl /dev/disks/naa.5000000000000001 gpt "1 2048 976768064 AA31E02A400 11DB9590000C2911D1B8 0"



八、挂载我们USB硬盘,注意这里（mpx.vmhba32:0:T0:L0）不仅要换为你硬盘的数值，并且还要在后加个:1，就是这个样子（mpx.vmhba32:0:T0:L0:1）

$ vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/mpx.vmhba32\:C0\:T0\:L0:1

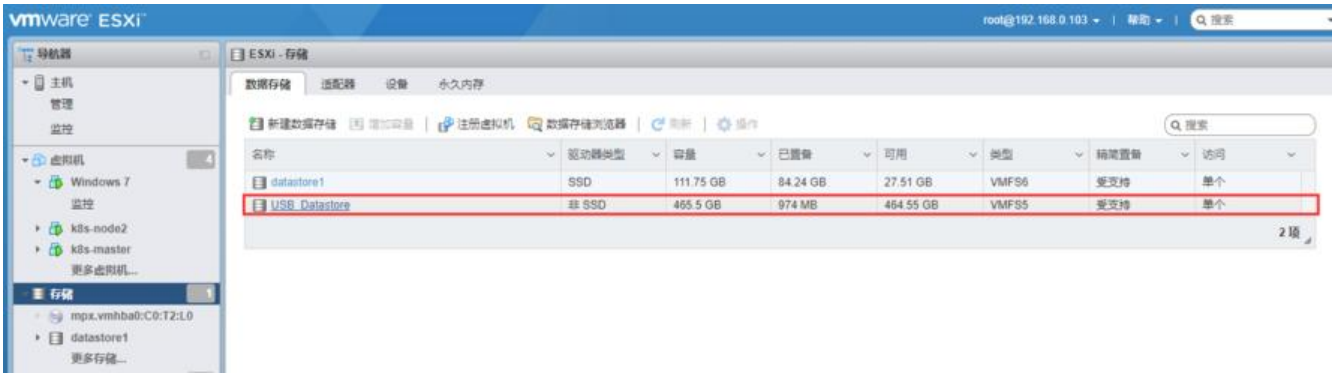
```
vee — ssh root@192.168.1.101 — 112×50
[root@localhost:~] ls /dev/disks/
mpx.vmhba32:C0:T0:L0
t10.ATA_____CWDISK_____________________________________AA180109000003084210
t10.ATA_____CWDISK_____________________________________AA180109000003084210:1
t10.ATA_____CWDISK_____________________________________AA180109000003084210:2
t10.ATA_____CWDISK_____________________________________AA180109000003084210:3
t10.ATA_____CWDISK_____________________________________AA180109000003084210:5
t10.ATA_____CWDISK_____________________________________AA180109000003084210:6
t10.ATA_____CWDISK_____________________________________AA180109000003084210:7
t10.ATA_____CWDISK_____________________________________AA180109000003084210:8
t10.ATA_____CWDISK_____________________________________AA180109000003084210:9
t10.ATA_____WDC_WD20EURS2D63S48Y0_____________________WD2DWCAZAJ063809
t10.ATA_____WDC_WD20EURS2D63S48Y0_____________________WD2DWCAZAJ063809:1
t10.ATA_____WDC_WD20EURS2D63S48Y0_____________________WD2DWCAZAJ063809:2
t10.ATA_____WDC_WD20EURS2D63S48Y0_____________________WD2DWCAZAJ063809:3
vml.010000000020202020205744 2d5743415a414a3036333830395744 43205744
vml.010000000020202020205744 2d5743415a414a3036333830395744 43205744:1
vml.010000000020202020205744 2d5743415a414a3036333830395744 43205744:2
vml.010000000020202020205744 2d5743415a414a3036333830395744 43205744:3
vml.0100000000303132333435363738394142434445 4e5331303636
vml.010000000041413138303130393030303030333038343231304357449534b
vml.010000000041413138303130393030303030333038343231304357449534b:1
vml.010000000041413138303130393030303030333038343231304357449534b:2
vml.010000000041413138303130393030303030333038343231304357449534b:3
vml.010000000041413138303130393030303030333038343231304357449534b:5
vml.010000000041413138303130393030303030333038343231304357449534b:6
vml.010000000041413138303130393030303030333038343231304357449534b:7
vml.010000000041413138303130393030303030333038343231304357449534b:8
vml.010000000041413138303130393030303030333038343231304357449534b:9
[root@localhost:~] partedUtil mklabel /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt
[root@localhost:~] partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0
gpt
60801 255 63 976773168
[root@localhost:~] eval expr $(partedUtil getptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 | tail -
1 | awk '{print $1 " \\* " $2 " \\* " $3}') - 1
976768064
[root@localhost:~] partedUtil setptbl /dev/disks/mpx.vmhba32\:C0\:T0\:L0 gpt "1 2048 976768064 AA31E02A400F11DB9
590000C2911D1B8 0"
gpt
0 0 0 0
1 2048 976768064 AA31E02A400F11DB9590000C2911D1B8 0
[root@localhost:~] vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/mpx.vmhba32\:C0\:T0\:L0:1
create fs deviceName:'/dev/disks/mpx.vmhba32:C0:T0:L0:1', fsShortName:'vmfs5', fsName:'USB_Datastore'
deviceFullPath:/dev/disks/mpx.vmhba32:C0:T0:L0:1 deviceFile:mpx.vmhba32:C0:T0:L0:1
ATS on device /dev/disks/mpx.vmhba32:C0:T0:L0:1: not supported
.
Checking if remote hosts are using this device as a valid file system. This may take a few seconds...
Creating vmfs5 file system on "mpx.vmhba32:C0:T0:L0:1" with blockSize 1048576 and volume label "USB_Datastore".
Successfully created new volume: 5b270883-dcb713f1-1c72-e43a6e0448e3
[root@localhost:~]
```

或

$ vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/naa.5000000000000001:1

```
[root@ESXi:~] vmkfstools -C vmfs5 -S USB_Datastore /dev/disks/naa.5000000000000001:1
create fs deviceName:'/dev/disks/naa.5000000000000001:1', fsShortName:'vmfs5', fsName:'USB_Datastore'
deviceFullPath:/dev/disks/naa.5000000000000001:1 deviceFile:naa.5000000000000001:1
ATS on device /dev/disks/naa.5000000000000001:1: not supported
.
Checking if remote hosts are using this device as a valid file system. This may take a few seconds...
Creating vmfs5 file system on "naa.5000000000000001:1" with blockSize 1048576 and volume label "USB_Datastore".
Successfully created new volume: 5ed3d790-23e15a17-921e-28d244c9c43a
```

九、最后回到我们的esxi后台存储，就可以看到我们存储器置多了一个USB硬盘啦，大功告成。



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