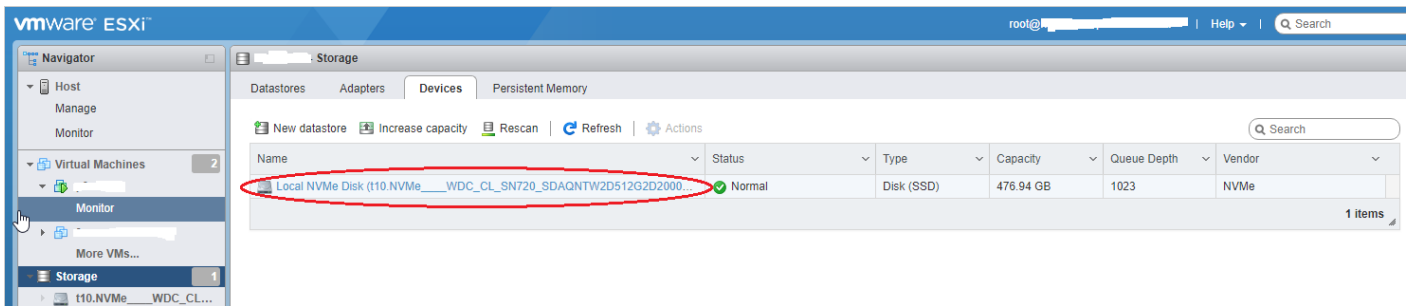


How to Create VMFS Datastore on VMware OS bootdrive

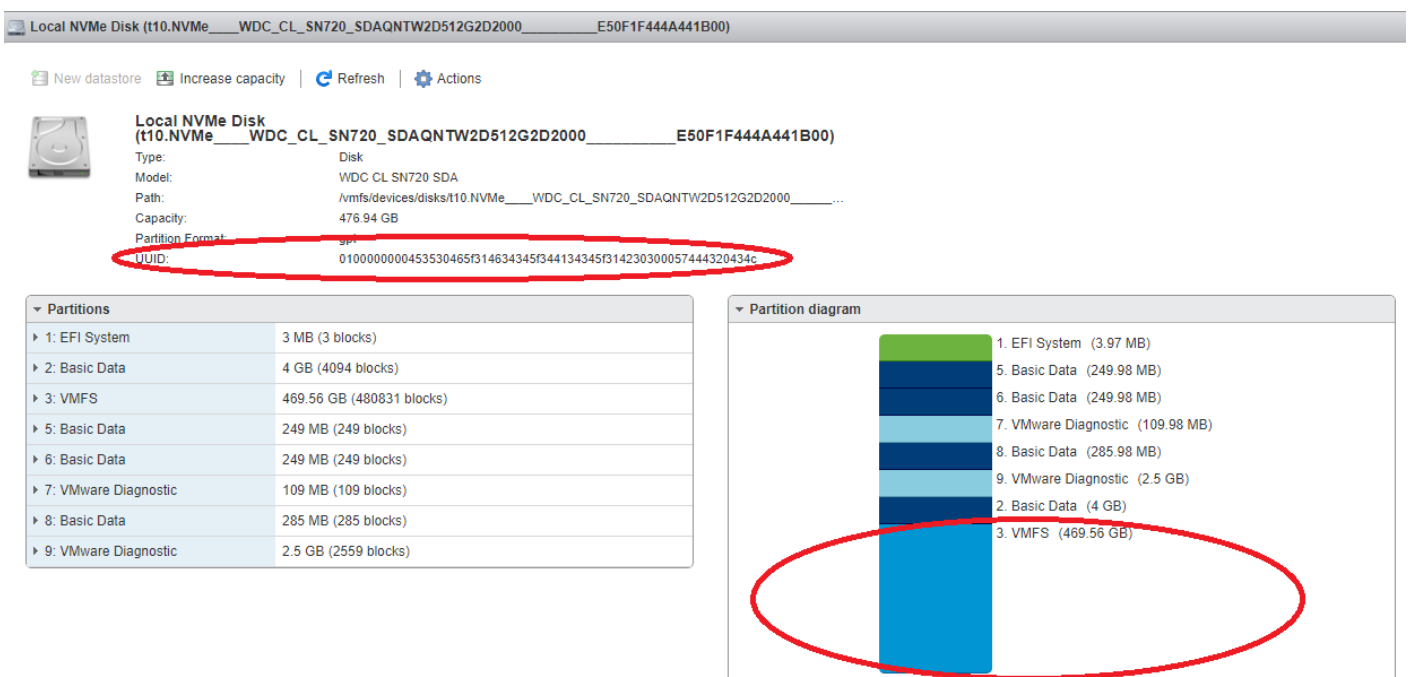
Normally a vmfs partition is already created by ESXi on the boot drive. You can verify by going logging into the ESX Web GUI and navigating to **Storage --> Devices --> Boot disk (Figure 1)**.

Figure 1



Clicking on the drive will show the **Partition diagram** of the boot drive and the vmfs partition is usually partition **3**. Make a note of the **UUID** of the device and the partition number (**Figure 2**).

Figure 2



Create a vmfs datastore named **datastore-ssd** on the the boot device using the **UUID** and the partition number you noted above using the command below (Device format is /vmfs/devices/disks/vml.<UUID>:3):

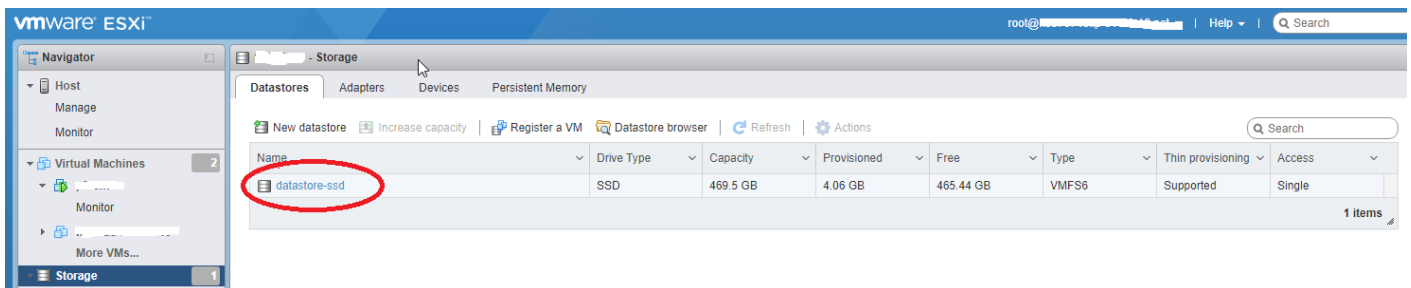
```
vmkfstools --createfs vmfs6 -S datastore-ssd
/vmfs/devices/disks/vml.0100000000453530465f314634345f344134345f314230300057444320434c:3
```

If successful, you should get an output similar to below:

```
create fs
deviceName: '/vmfs/devices/disks/vml.0100000000453530465f314634345f344134345f314230300057444320
434c:3', fsShortName: 'vmfs6', fsName: 'datastore-ssd'
deviceFullPath: /dev/disks/t10.NVMe___WDC_CL_SN720_SDAQNTW2D512G2D2000_____E50F1F444A441B
00:3 deviceFile: t10.NVMe___WDC_CL_SN720_SDAQNTW2D512G2D2000_____E50F1F444A441B00:3
ATS on device
/dev/disks/t10.NVMe___WDC_CL_SN720_SDAQNTW2D512G2D2000_____E50F1F444A441B00:3: not
supported
.
Checking if remote hosts are using this device as a valid file system. This may take a few
seconds...
Scanning for VMFS-6 host activity (4096 bytes/HB, 1024 HBs).
Creating vmfs6 file system on
"t10.NVMe___WDC_CL_SN720_SDAQNTW2D512G2D2000_____E50F1F444A441B00:3" with blockSize
1048576, unmapGranularity 1048576, unmapPriority default and volume label "datastore-ssd".
Successfully created new volume: 5fc102ac-257939bc-7e5b-0cc47ac8166c
```

Additionally, the datastore you created should appear under **Storage --> Datastores** in your ESXi Web Gui (**Figure 3**).

Figure 3



Revision #4

Created 2020-11-27 14:35:22 UTC by Dino Edwards

Updated 2020-11-27 15:03:28 UTC by Dino Edwards