

Create a VM from Powershell

We will create a Virtual Machine using PowerShell as follow

Creating a Virtual machine

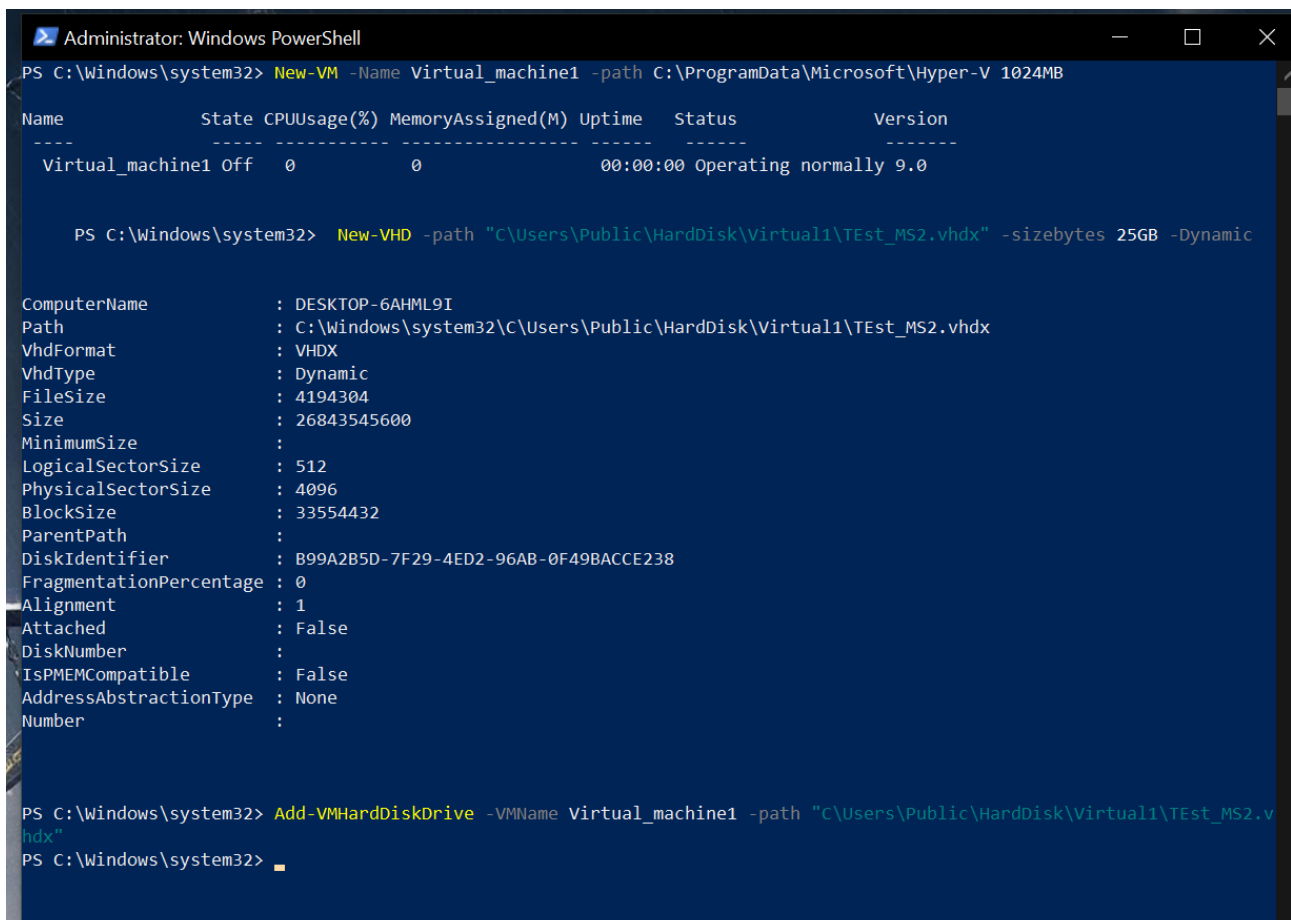
```
New-VM -Name Virtual_machine1 -path C:\ProgramData\Microsoft\Hyper-V 1024MB
```

Creating a Virtual Hard Disk

```
New-VHD -path "C:\Users\Public\HardDisk\Virtual1\Test_MS2.vhdx" -sizebytes 25GB -Dynamic
```

Connecting virtual machine to hard disk

```
Add-VMHardDiskDrive -VMName Virtual_machine1 -path "C:\Users\Public\HardDisk\Virtual1\Test_MS2.vhdx"
```



```
Administrator: Windows PowerShell
PS C:\Windows\system32> New-VM -Name Virtual_machine1 -path C:\ProgramData\Microsoft\Hyper-V 1024MB

Name                State CPUUsage(%) MemoryAssigned(M) Uptime      Status           Version
-----
Virtual_machine1 Off    0           0                00:00:00 Operating normally 9.0

PS C:\Windows\system32> New-VHD -path "C:\Users\Public\HardDisk\Virtual1\Test_MS2.vhdx" -sizebytes 25GB -Dynamic

ComputerName      : DESKTOP-6AAML9I
Path              : C:\Windows\system32\C\Users\Public\HardDisk\Virtual1\Test_MS2.vhdx
VhdFormat         : VHDX
VhdType           : Dynamic
FileSize          : 4194304
Size              : 26843545600
MinimumSize       :
LogicalSectorSize : 512
PhysicalSectorSize : 4096
BlockSize         : 33554432
ParentPath        :
DiskIdentifier    : B99A2B5D-7F29-4ED2-96AB-0F49BACCE238
FragmentationPercentage : 0
Alignment         : 1
Attached          : False
DiskNumber        :
IsPMEMCompatible  : False
AddressAbstractionType : None
Number            :

PS C:\Windows\system32> Add-VMHardDiskDrive -VMName Virtual_machine1 -path "C:\Users\Public\HardDisk\Virtual1\Test_MS2.vhdx"
PS C:\Windows\system32>
```

Hyper-V Manager

FileActionViewHelp

Hyper-V Manager

DESKTOP-6AHML9I

Virtual Machines

Name	State	CPU Usage	Assigned Memory	Uptime
Virtual_machine1	Off			

Checkpoints

No virtual machine selected.

Details

No item selected.

Actions

DESKTOP-6AHML9I

Quick Create...

New

Import Virtual Machine...

Hyper-V Settings...

Virtual Switch Manager...

Virtual SAN Manager...

Edit Disk...

Inspect Disk...

Stop Service

Remove Server

Refresh

View

Help