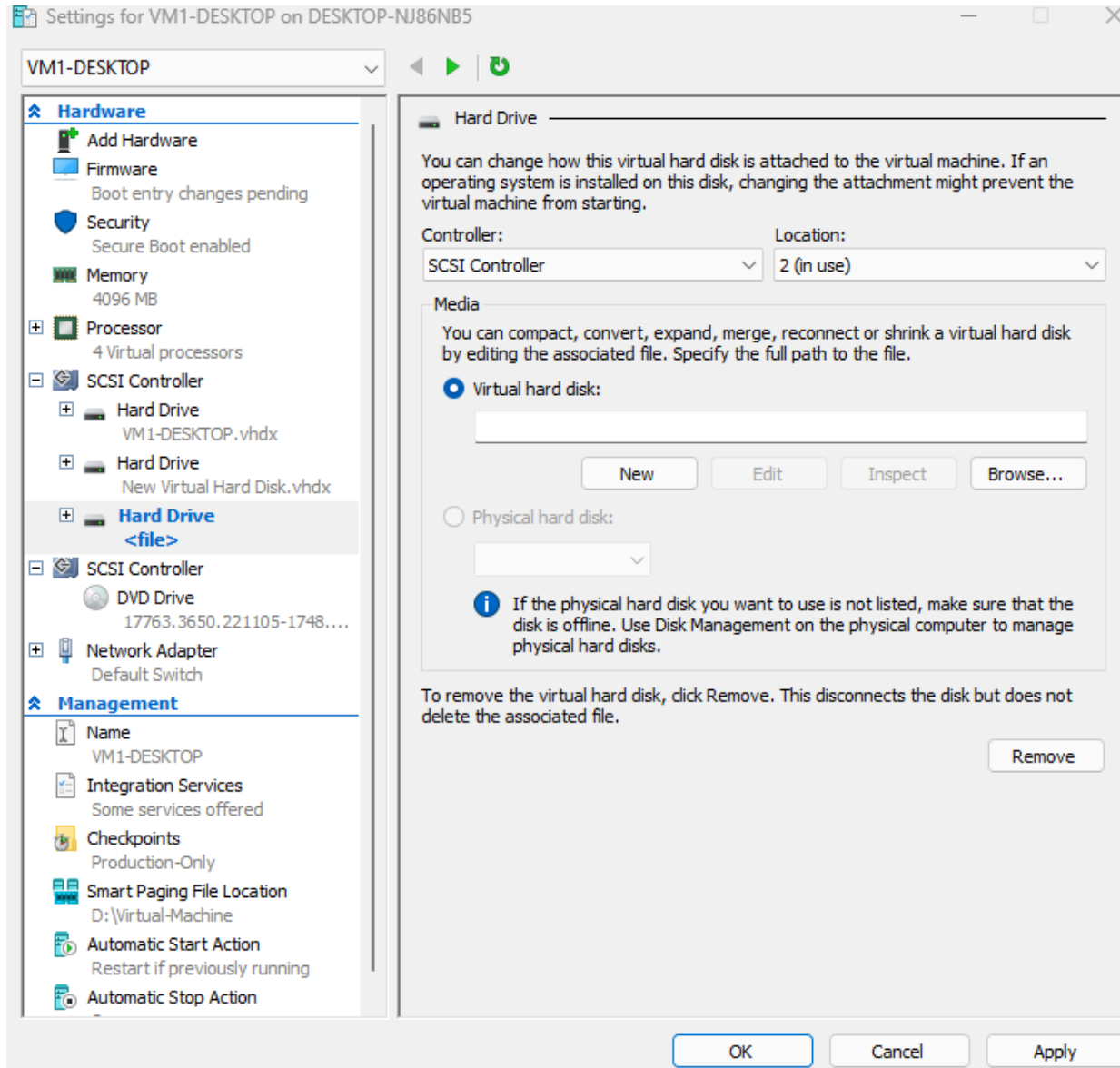


Creating Virtual Drive

Creating Hard-Drive in virtualization software hyper - v

- Virtual Machine > Settings > SCSI Controller > Hard drive > add > customize specification of hard drive > apply



Disc Initialization with power shell

- Initialize-Disk -Number 1 -PartitionStyle GPT

Making Partition 60% of the available drive:

- $\$TotalSize = (Get-Disk | Where-Object Number -eq 1).Size$ => variable containing the size of the drive
- $\$PartitionSize = [math]::Round(\$TotalSize * 0.6)$ => calculating 60% of the drive size

- New-Partition -DiskNumber 1 -Size \$PartitionSize => creating new partition with the desired size
- Set-Partition -DiskNumber 1 -PartitionNumber 2 -NewDriveLetter X => Assign DriveLetter X to the partition

```
PS C:\Users\Administrator> Set-Partition -DiskNumber 1 -PartitionNumber 2 -NewDriveLetter X
PS C:\Users\Administrator> get-partition

DiskPath: \\?\scsi#disk&ven_msft&prod_virtual_disk#000000#{53f56307-b6bf-11d0-94f2-00a0c91efb8b}

PartitionNumber  DriveLetter Offset                               Size Type
-----
1                1048576                      499 MB Recovery
2                524288000                    99 MB System
3                628097024                     16 MB Reserved
4                C                644874240                   39.4 GB Basic

DiskPath: \\?\scsi#disk&ven_msft&prod_virtual_disk#000001#{53f56307-b6bf-11d0-94f2-00a0c91efb8b}

PartitionNumber  DriveLetter Offset                               Size Type
-----
1                17408                      15.98 MB Reserved
2                X                16777216                      6 GB Basic

PS C:\Users\Administrator> Set-Partition -DiskNumber 1 -PartitionNumber 2 -NewDriveLetter X
```

- NTFS Formatting : Format-Volume -DriveLetter X -FileSystem NTFS -NewFileSystemLabel "Disk-NTFS" -Confirm:\$false

```
DriveLetter FriendlyName FileSystemType DriveType HealthStatus OperationalStatus SizeRemaining Size
-----
X            Disk-NTFS      NTFS           Fixed      Healthy      OK            5.97 GB 6 GB
```

Making new Partition with the remaining size of the drive assigning drive Letter Y, friendly name Disk-Fat32 , FileSystemType FAT32 with 1 prompt finally :) =>
 New-Partition -DiskNumber 1 -UseMaximumSize -DriveLetter Y | Format-Volume -FileSystem FAT32 -NewFileSystemLabel "Disk-Fat32" -Confirm:\$false

```
DriveLetter FriendlyName FileSystemType DriveType HealthStatus OperationalStatus SizeRemaining Size
-----
Y            DISK-FAT32      FAT32          Fixed      Healthy      OK            3.98 GB 3.98 GB
```