**# I am using Two machines (DC and SERVER1) on Hyper-V**

**# For the main network cards I am using NAT vSwitch (with name NAT on the adapter)**

**# for the secondary cards - default Switch (with name PRIVATE on the adapter)**

**# rename machines:**

Rename-Computer -NewName DC

Restart-Computer

Rename-Computer -NewName SERVER1

Restart-Computer

**# On the first machine I am installing AD and adding the second machine to the domain**

Install-WindowsFeature -Name AD-Domain-Services -IncludeManagementTools

**# after that graphically promote the machine to domain controller - WSAA.LAB**

**# I have access to both machines via Powershell, but they are with GUI**

Enter-PSSession -VMName DC

Enter-PSSession -VMName SERVER1

**# preparation for the second machine:**

New-VHD -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\101.vhdx" -SizeBytes 10gb -Dynamic

New-VHD -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\102.vhdx" -SizeBytes 10gb -Dynamic

New-VHD -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\201.vhdx" -SizeBytes 20gb -Dynamic

New-VHD -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\202.vhdx" -SizeBytes 20gb -Dynamic

Add-VMHardDiskDrive -VMName SERVER1 -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\101.vhdx"

Add-VMHardDiskDrive -VMName SERVER1 -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\102.vhdx"

Add-VMHardDiskDrive -VMName SERVER1 -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\201.vhdx"

Add-VMHardDiskDrive -VMName SERVER1 -Path "C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\202.vhdx"

Enter-PSSession -VMName SERVER1

Get-PhysicalDisk | Where CanPool -eq True | Select UniqueId, MediaType, Size

Set-PhysicalDisk -UniqueId 60022480551964BF21B54954F2DA2313 -MediaType SSD

Set-PhysicalDisk -UniqueId 60022480A32BC24C727085E3ECECD67C -MediaType SSD

Set-PhysicalDisk -UniqueID 60022480252DC6E855DBF9964F6D76A9 -MediaType HDD

Set-PhysicalDisk -UniqueID 6002248091D1806E89E28BD041186869 -MediaType HDD

**# create new pool, virtual disk, volume**

**# install iSCSI Target Server on the second machine**

**# setup iSCSI Initiator on the first machine (with target 192.168.67.201)**

# The Pool:

A screenshot of a computer

Description automatically generated

# The Volume:

A screenshot of a computer

Description automatically generated

# The iSCSI Disk:

A screenshot of a computer

Description automatically generated

# The same disk added to DC:

A screenshot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated