Diverse PowerShell Commands, Features og Tools

Det med rødt skal tilpasses jeres egen opstilling!

Server:
Get-NetIPAddress eller Get-NetIPConfiguration

New-NetIPAddress -IPAddress 192.168.110.10 -PrefixLength 24 -DefaultGateway 192.168.110.1 -InterfaceAlias Ethernet0 (eller -interfaceindex 4) -AddressFamily ipv4

Set-DnsClientServerAddress -InterfaceAlias Ethernet0 (eller -interfaceindex 4) -ServerAddresses 192.168.110.10

Rename-Computer -NewName "DCSrv01" -Force -Restart

Promote en Server til Domain Controller:
Install-WindowsFeature -Name AD-Domain-Services -IncludeManagementTools
Install-ADDSForest -DomainName "SDEDOM.local" -installDNS

Installer og konfigurer DHCP på server (DC):
Install-WindowsFeature -Name "DHCP" -IncludeManagementTools

Først add´et server til listen af authorized DHCP servere
Add-DhcpServerInDC

Opret et scope i DHCP IPv4 – og sæt dns
Add-DhcpServerv4Scope -Name "KlientScope" -startrange 192.168.110.20 -endrange 192.168.110.200 -SubnetMask 255.255.255.0 -LeaseDuration 0.08:00:00 -state Active -Description "Scope til alle klienterne på netværket"
Set-DhcpServerv4OptionValue -Router 192.168.110.1 -DnsServer 192.168.110.10 -DnsDomain "SDEDOM.local"

Meld en Server eller klient ind i et domain:
Add-Computer -DomainName "SDEDOM.local" -Credential "SrvAdm" -Server DCSrv01

Brug Remote fra Klient:

(Get-Command).count

Køres evt. på server som skal overtages:
Enable-PSRemoting -Force # Eventuelt skal du manuelt starte WinRM service i Services
Get-Item WSMan:\localhost\Client\TrustedHosts
Set-Item WSMan:\localhost\Client\TrustedHosts -Value *

Diverse PowerShell Commands, Features og Tools

Klient:

Statisk IP adresse:
Get-NetIPAddress eller Get-NetIPConfiguration

New-NetIPAddress -IPAddress 192.168.110.50 -PrefixLength 24 -DefaultGateway 192.168.110.1 -InterfaceAlias Ethernet0 -AddressFamily ipv4

Set-DnsClientServerAddress -InterfaceAlias Ethernet0 (eller -interfaceindex 4) -ServerAddresses 192.168.110.10

Dynamisk IP adresse:
Get-NetAdapter -Name Ethernet0 | Set-NetIPInterface -Dhcp Enabled
Set-DnsClientServerAddress -InterfaceIndex 4 -ResetServerAddresses

Rename-Computer -NewName Klient01 -Force -Restart

På Klient, hent RSAT online
(Get-Command).count
Get-WindowsCapability -Name RSAT* -Online
Get-WindowsCapability -Name RSAT* -Online | Add-WindowsCapability -Online

Overtag Server fra klient:
Enter-PSSession -Computername 192.168.110.10 -Credential SrvAdm

PS Commands på Server2019:
PS C:\sconfig
PS C:\shutdown -s

Links:

Manage a CORE Server fra Server eller Klient:
https://www.vembu.com/blog/manage-windows-server-core/

DFS med PS og Tools:
https://www.vembu.com/blog/distributed-file-system-dfs-windows-server-2016-brief-overview/

GUI Tools for Managing a CORE File Server:
https://www.youtube.com/watch?v=naAc0-HQ1PI

How to install File Servics on a CORE File Server:
https://4sysops.com/archives/how-to-install-file-services-on-server-core/

File Ressource manager via PS:
https://nedimmehic.org/2017/04/10/how-to-install-and-configure-file-server-resource-manager-fsrm-part1/

Diverse PowerShell Commands, Features og Tools

1. Set the connection back to "Obtain an IP address automatically"
2. Remove the static default gateway
3. Set the connection back to "Obtain DNS server address automatically"

I can do this by running a sequence of three cmdlets, **Set-NetIPInterface**, **Remove-NetRoute**, and **Set-DNSClientServerAddress**. I will also incorporate **Get-NetIPInterface** and use piping to streamline the command input.

```powershell
1
2
3  # Return network interface to a variable for future use
4  $interface = Get-NetIPInterface -InterfaceAlias "Ethernet0" -AddressFamily IPv4
5
6  # Remove the static default gateway
7  $interface | Remove-NetRoute -AddressFamily IPv4 -Confirm:$false
8
9  # Set interface to "Obtain an IP address automatically"
10 $interface | Set-NetIPInterface -Dhcp Enabled
11
12 # Set interface to "Obtain DNS server address automatically"
13 $interface | Set-DnsClientServerAddress -ResetServerAddresses
14
```

```
[192.168.20.10]: PS C:\> New-ADUser -Name Srvadm -DisplayName Srvadm -GivenName Srvadm -AccountPassword(Read-Host -AsSecureString "Password1") -Enabled $true
WARNING: A script or application on the remote computer 192.168.20.10 is sending a prompt request. When you are prompted, enter sensitive information, s
uch as credentials or passwords, only if you trust the remote computer and the application or script that is requesting the data.

[192.168.20.10]: PS C:\> Add-ADGroupMember -Identity ("administrators","Domain Admins") -Members "SrvAdm"
Cannot convert 'administrators Domain Admins' to the type 'Microsoft.ActiveDirectory.Management.ADGroup' required by parameter 'Identity'. Specified
method is not supported.
    + CategoryInfo          : InvalidArgument: (:) [Add-ADGroupMember], ParameterBindingException
    + FullyQualifiedErrorId : CannotConvertArgument,Microsoft.ActiveDirectory.Management.Commands.AddADGroupMember

[192.168.20.10]: PS C:\>
[192.168.20.10]: PS C:\> Add-ADGroupMember -Identity administrators" -Members "SrvAdm"
The string is missing the terminator: ".
    + CategoryInfo          : ParserError: (:) [], IncompleteParseException
    + FullyQualifiedErrorId : TerminatorExpectedAtEndOfString

[192.168.20.10]: PS C:\> Add-ADGroupMember -Identity "administrators" -Members "SrvAdm"
```