Windows Server / Active Directory Lab Cheat Sheet

# Static IP and DNS Setup

New-NetIPAddress -InterfaceAlias "Ethernet" -IPAddress 192.168.1.11 -PrefixLength 24 -DefaultGateway 192.168.1.1

Set-DnsClientServerAddress -InterfaceAlias "Ethernet" -ServerAddresses 192.168.1.10

# Rename the Computer

Rename-Computer -NewName "DC02" -Restart

# Join Domain

Add-Computer -DomainName "ninodomain.local" -Credential ninodomain\Administrator -Restart

# Promote to Domain Controller

Install-ADDSDomainController `

-DomainName "ninodomain.local" `

-Credential (Get-Credential) `

-InstallDns:$true `

-SiteName "Default-First-Site-Name" `

-ReplicationSourceDC "DC01" `

-NoGlobalCatalog:$false `

-DatabasePath "C:\Windows\NTDS" `

-LogPath "C:\Windows\NTDS" `

-Force:$true

# Check Replication

repadmin /replsummary

repadmin /showrepl

# Check Domain Controller Health

dcdiag

dcdiag /test:dns

# Create a New Domain User

New-ADUser -Name "John Doe" -SamAccountName jdoe -UserPrincipalName jdoe@ninodomain.local `

-AccountPassword (Read-Host -AsSecureString "Enter Password") -Enabled $true

# Create an OU

New-ADOrganizationalUnit -Name "TestComputers" -Path "DC=ninodomain,DC=local"

# Apply Group Policy Update

gpupdate /force

# Launch GUI Tools

dsa.msc # Active Directory Users & Computers

gpmc.msc # Group Policy Management Console

dnsmgmt.msc # DNS Manager