**Lab 3 - Setting up a domain**

Can either be done on your new Hyper-V box or you could install it into a Virtual Machine. In that case do the Create Virtual Machine Lab First

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| Setting up the Domain Controller – Initial configuration | |
| Setup IPv4 Networking | 1. From Server manager, Choose Local Server and Click on 192.168.1.10 beside Ethernet. 2. Right Click on Ethernet and choose **properties** 3. Select Internet Protocol Version 4 (TCP/IPv4) and Click on the Properties Button 4. IP address and subnet should already be set. 5. Choose “Use the following DNS server addresses and enter 192.168.1.10 6. Click **Ok** 7. Click **Close** 8. Then Exit the Network Connections window. |

$wmi = Get-WmiObject WIN32\_NetworkAdapterConfiguration -filter “ipenabled=true”  
$wmi.DNSServerSearchOrder = @('192.168.1.10')

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| Setting up the Domain Controller – Adding Roles and DC Promo | |
| Add the AD DS role | 1. From Server manager, Choose Dashboard and Choose **Add roles and features**. 2. Click **Next** of the “before you begin” page 3. Click **Next** on the “Select installation type” page 4. Click **Next** for the “Select Destination server” 5. Place checkmark in front of **Active Directory Domain Services**. 6. On the Add Features… Page, Press the **Add Features** button. 7. Click **Next** on the Select server roles page 8. Click **Next** on the Select features Page. 9. Click **Next** on the Active Directory Domain Services page. 10. Click **Install** on the confirmation Page. (Wait for the installation to finish) 11. On the Installation progress screen. Press **Close**   **Restart your Server** |
| DC Promo  Entering in “dcpromo” in a command prompt. This still launches a “relocated message”. | 1. Click on the Flag in the Toolbar. 2. Then click on **“Promote this server to a domain controller”** link. |
| Active Directory Domain Services Configuration Wizard. | 1. Choose “**Add a new Forest**” 2. For the Root Domain name, Enter **Contoso.com** 3. Leave the Functional Levels at “Windows server Technical….” Enter **P@ssW0rd** for the DSRM password 4. Press **Next** 5. On the DNS options page, Click **Next**… (an error… “A delegation for this DNS server…” can be ignored. 6. Click **next** to verify the Netbios domain name. (Should be CONTOSO) 7. Leave the folder locations alone…. And press **Next.** 8. Review the options and click **next**. 9. After the Prerequisites Check (see Appendix A, Figure 2). Press **Install**   After the machine reboots.. you will have a domain. |

install-windowsfeature AD-Domain-Services

Import-Module ADDSDeployment

Install-ADDSForest `

-CreateDnsDelegation:$false `

-DatabasePath "C:\Windows\NTDS" `

-DomainMode "WinThreshold" `

-DomainName "contoso.com" `

-DomainNetbiosName "CONTOSO" `

-ForestMode "WinThreshold" `

-InstallDns:$true `

-LogPath "C:\Windows\NTDS" `

-NoRebootOnCompletion:$false `

-SysvolPath "C:\Windows\SYSVOL" `

-Force:$true