Mike2

Omschrijving

Een member server in het domein red.local. Deze server doet dienst als Intranet-en CMS-server (Sharepoint) die enkel toegankelijk is voor interne systemen uit hetdomein red.local. Het database gedeelte van deze Sharepoint server staat eveneens op de databaseserver november2. Als inhoud voor deze CMS server voorzie je alle Windows documentatie van dit project.

Overzicht scripts

- `toevoegen domein.ps1`

  In dit script worden de basisconfiguraties in orde gebracht

  - IP instellingen
  - configure dns
  - Uitzetten firewall
  - veranderen computernaam
  - joined domein red.local

```
start-transcript "C:\ScriptLogs\1.txt"

# remove script restrictions

 Set-ExecutionPolicy Unrestricted -force

# Auto run script prerquisites na reboot

Set-ItemProperty -Path 'HKLM:\Software\Microsoft\Windows\CurrentVersion\RunOnce' -Name R
                -Value 'C:\Windows\system32\WindowsPowerShell\v1.0\Powershell.exe -execu

Write-Output "add password credentials"

$password = ConvertTo-SecureString "Admin2019" -AsPlainText -Force
$Cred = New-Object System.Management.Automation.PSCredential ("Administrator", $password

$Username = $Cred.GetNetworkCredential().UserName
$Password = $Cred.GetNetworkCredential().Password
$Uservalue= "red\$Username"

# instellen velden voor automatisch in te loggen na opstarten
Set-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon" -Na
Set-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon" -Na
Set-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon" -Na
Set-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon" -Na
```

```powershell
# configure hostonlyadapter

Write-Output "configure hostonlyadapter"
New-NetIPAddress -IPAddress 172.18.1.3 -PrefixLength 26 -InterfaceIndex (Get-NetAdapter


#Disable Firewall
Set-NetFirewallProfile -Profile Domain,Public,Private -Enabled False


# configure dns
Write-Output "configure dns"
Set-DnsClientServerAddress -interfaceAlias "Ethernet 2" -serveraddresses 172.18.1.66

Write-host "Waiting 10 seconds before continuing"
start-sleep -s 10


# change computername met adds credentials

Write-Output "set computername to mike2 and add to domain red"

add-Computer -DomainName red.local -ComputerName "$env:computername" -newname mike2 -Dom


stop-transcript

restart-computer
```

- prerequisites.ps1

Installatie van de prerequisites

```
start-transcript "C:\ScriptLogs\2.txt"
# Auto run script prerquisites na reboot

Set-ItemProperty -Path 'HKLM:\Software\Microsoft\Windows\CurrentVersion\RunOnce' -Name R
                -Value 'C:\Windows\system32\WindowsPowerShell\v1.0\Powershell.exe -execu




Write-host "Waiting 5 seconds before continuing"
start-sleep -s 5
Write-Output "installing prerequisites"
# install prerequisites voor sharepoint moet access tot internet hebben
# dit hangt af van waar de shared folder is heeft confirmatie nodig van uac
start-process Z:\sharepoint\PrerequisiteInstaller.exe /unattended -wait

# //install sql internet nodig
# \\VBOXSVR\windows_school_vm\SQLServer2016-SSEI-Eval.exe  /Iacceptsqlserverlicenseterms

Write-host "Waiting 5 seconds before continuing"
start-sleep -s 5

Restart-Computer




stop-transcript
```

- `roles.ps1`

  Installatie van rollen indien nodig

```
Write-Host "Start configuring roles..."
Write-Host "Importing Modules..."
Import-Module Servermanager

Install-WindowsFeature Net-Framework-Core -source f:\sources\sxs
Install-WindowsFeature NET-HTTP-Activation -source f:\sources\sxs
Install-WindowsFeature NET-Non-HTTP-Activ -source f:\sources\sxs
Install-WindowsFeature NET-WCF-HTTP-Activation45

Install-WindowsFeature Web-Server -IncludeAllSubFeature -IncludeManagementTools -source

Install-WindowsFeature Web-Common-Http

Install-WindowsFeature Web-Static-Content

Install-WindowsFeature Web-Default-Doc

Install-WindowsFeature Web-Dir-Browsing

Install-WindowsFeature Web-Http-Errors

Install-WindowsFeature Web-App-Dev

Install-WindowsFeature Web-Asp-Net -source f:\sources\sxs

Install-WindowsFeature Web-ISAPI-Ext

Install-WindowsFeature Web-ISAPI-Filter

Install-WindowsFeature Web-Health

Install-WindowsFeature Web-Http-Logging

Install-WindowsFeature Web-Log-Libraries

Install-WindowsFeature Web-Request-Monitor

Install-WindowsFeature Web-Http-Tracing

Install-WindowsFeature Web-Security

Install-WindowsFeature Web-Basic-Auth
```

```
Install-WindowsFeature Web-Filtering

Install-WindowsFeature Web-Digest-Auth

Install-WindowsFeature Web-Performance

Install-WindowsFeature Web-Stat-Compression

Install-WindowsFeature Web-Dyn-Compression

Install-WindowsFeature Web-Mgmt-Tools

Install-WindowsFeature Web-Mgmt-Console

Install-WindowsFeature Web-Mgmt-Compat

Install-WindowsFeature Web-Metabase

Install-WindowsFeature Was -IncludeAllSubFeature -source f:\sources\sxs

Install-WindowsFeature Web-Lgcy-Scripting

Install-WindowsFeature Windows-Identity-Foundation

Install-WindowsFeature Server-Media-Foundation

Install-WindowsFeature Xps-Viewer

Install-WindowsFeature BITS-IIS-Ext

Install-WindowsFeature WinRM-IIS-Ext

Install-WindowsFeature Web-Scripting-Tools

Install-WindowsFeature Web-WMI

Install-WindowsFeature Web-IP-Security

Install-WindowsFeature Web-url-Auth

Install-WindowsFeature Web-Cert-Auth

Install-WindowsFeature Web-Client-Auth
```

- `SPsetup.ps1`

  De SharePoint setup, deze maakt gebruik van een xml file: ´SPinstallation.xml´

```
Start-Process "Z:\sharepoint\setup.exe" -ArgumentList "/config `"$PSScriptRoot\SPinstal

Add-PSSnapIn Microsoft.SharePoint.PowerShell

& "Z:\scripts voor mike2\SPfarm.ps1"
```

- `SPinstallation.xml`

  XML file voor de setup te automatiseren, zodat bv de product key geautomatiseerd wordt ingegeven.

```
<!-- http://technet.microsoft.com/en-us/library/cc287749.aspx -->

<Configuration>
  <!-- Package ID for SharePoint Foundation -->
  <Package Id="sts">
    <Setting Id="LAUNCHEDFROMSETUPSTS" Value="Yes"/>
  </Package>

  <!-- Package ID for SharePoint Server -->
  <Package Id="spswfe">
    <Setting Id="SETUPCALLED" Value="1"/>
    <!-- 0 Std | 1 Ent -->
    <Setting Id="OFFICESERVERPREMIUM" Value="1" />
  </Package>

  <PIDKEY Value="M692G-8N2JP-GG8B2-2W2P7-YY7J6"/>
  <Setting Id="SERVERROLE" Value="APPLICATION"/>
  <Setting Id="USINGUIINSTALLMODE" Value="0"/>
  <Setting Id="SETUPTYPE" Value="CLEAN_INSTALL"/>
  <Setting Id="SETUP_REBOOT" Value="Never"/>
  <Setting Id="AllowWindowsClientInstall" Value="True"/>
  <ARP ARPCOMMENTS="" ARPCONTACT="" />
  <Display Level="basic" CompletionNotice="No" AcceptEula="Yes"/>
  <Logging Type="verbose" Path="%temp%" Template="SharePoint Server Setup(*).log"/>
</Configuration>
```

- `SPFarm.ps1`

  Opzetten van de server farm

  - creating the configuration database
  - install help collections
  - initialize security
  - install services
  - register features
  - install application content
  - create Central Administration site

```powershell
 Write-Host " - Sharepoint PowerShell cmdlets..."
If ((Get-PsSnapin |?{$_.Name -eq "Microsoft.SharePoint.PowerShell"})-eq $null)
{
    Add-PsSnapin Microsoft.SharePoint.PowerShell | Out-Null
}
Start-SPAssignment -Global | Out-Null

$password = ConvertTo-SecureString "Admin2019" -AsPlainText -Force

$farmcredentials = (New-Object System.Management.Automation.PSCredential ("RED" + "\" +

Write-Output "Creating the configuration database"
New-SPConfigurationDatabase `
-DatabaseServer "NOVEMBER2" `
-DatabaseName "SharePoint_Config" `
-AdministrationContentDatabaseName "SP2019_Content_CentralAdministration" `
-Passphrase  (ConvertTo-SecureString "Admin2019" -AsPlainText -force) `
-FarmCredentials $farmcredentials `
-localserverrole "SingleServerFarm"

# config wizard tasks

Write-Output "Install Help Collections"
Install-SPHelpCollection -All

Write-Output "Initialize security"
Initialize-SPResourceSecurity

Write-Output "Install services"
Install-SPService

Write-Output "Register features"
Install-SPFeature -AllExistingFeatures

Write-Output "Install Application Content"
Install-SPApplicationConten


Write-Output "Create the Central Administration site"
New-SPCentralAdministration `
-Port 8080 `
-WindowsAuthProvider "NTLM"
```

- `SPWebApp.ps1`

  Aanmaken van WebApplicatie en Site Collection in SharePoint

    - creating Wepapplication
    - creating site collection

```powershell
 #Script voor het aanmaken van een webapplicatie in SharePoint 2019

#Add Snap-in Microsoft.SharePoint.PowerShell if not already loaded, continue if it alrea
Add-PsSnapin "Microsoft.SharePoint.PowerShell" -EA 0

#Variables

$AppPoolAccount = "RED\Administrator"            #Application Pool domain account
$ApplicationPoolName ="SharePoint - 8080"        #Application Pool
$ContentDatabase = "SharePoint_ContentDB"        #Content DB
$DatabaseServer = "NOVEMBER2"                     #Alias of your DB Server
$Url = "http://mike2:8080/"                       #The name of your new Web Application
$Name = "Mike2 - Documenten"                      #The IIS host header
$Description = "SharePoint 2019 Publishing Site"
$SiteCollectionTemplate = 'STS#0'                 #Publishing site template

#Aanmaken SharePoint web applicatie
Write-Output "Creating New-SPWebApplication..."

New-SPWebApplication -ApplicationPool $ApplicationPoolName `
                     -ApplicationPoolAccount (Get-SPManagedAccount $AppPoolAccount) `
                     -Name $Description `
                     -AuthenticationProvider (New-SPAuthenticationProvider -UseWindowsIr
                     -DatabaseName $ContentDatabase `
                     -DatabaseServer $DatabaseServer `
                     -Port 8080 `
                     -URL $Url

#Aanmaken SharePoint site collection
Write-Output "Creating New-SPSite..."

New-SPSite -Url $Url `
           -Name $Name `
           -Description $Description `
           -OwnerAlias $AppPoolAccount `
           -Template $SiteCollectionTemplate


#set portal super accounts
$w = Get-SPWebApplication $Url
$w.Properties["portalsuperuseraccount"] = $AppPoolAccount
$w.Properties["portalsuperreaderaccount"] = $AppPoolAccount
$w.Update()
```