SQL Server

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# Installatie

## Gebruikte server

* Windows Server 2016 NL

## Instellingen

* RAM: 2048MB
* Intern geheugen: 50GB
* Netwerkadapter 1: NAT
* Netwerkadapter 2: Intern Netwerk

## Setup

* Bureaubladervaring
* Licentievoorwaarden accepteren
* Aangepast: alleen Windows installeren (geavanceerd)
* Gebruikersnaam: Administrator
* Wachtwoord: Project2018

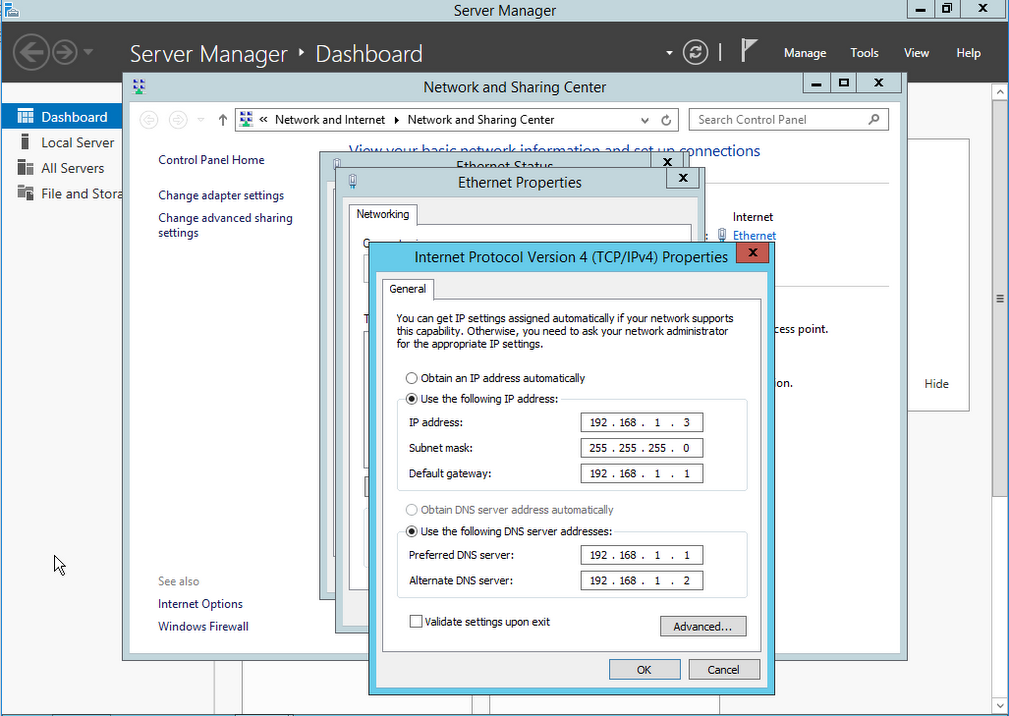
# Configuratie

**ZORG DAT MINSTENS 1 VAN DE 2 DOMEINCONTROLLERS DRAAIT!**

## Basis

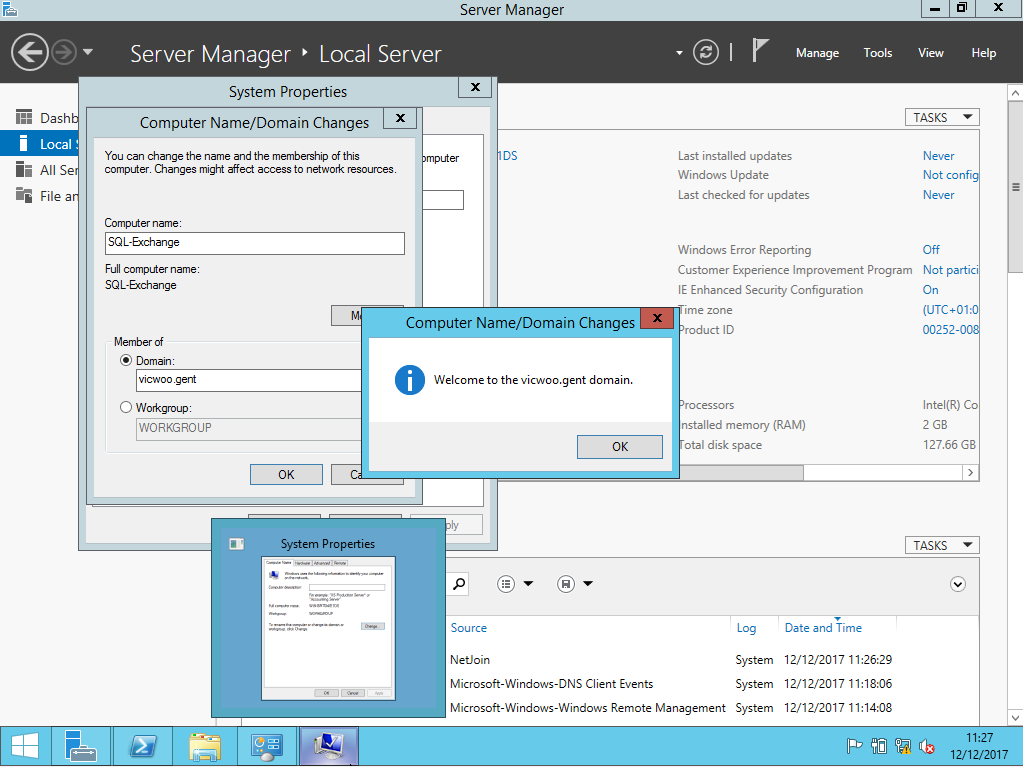
### Geef Intern netwerk statisch IP

* Netwerkcentrum openen
* Ethernet
* Eigenschappen
* Internet Protocol versie 4 (TCP/IPv4) (dubbelklik)
* Geef ip: 192.168.1.3
* Geef Subnetmasket: 255.255.255.0
* Default Gateway: 192.168.1.1
* Voorkeurs-DNS-server: 192.168.1.1
* Alternatieve-DNS-server: 192.168.1.2



### Hernoem server

* Lokale server
* Computernaam
* Wijzigen
* Computernaam: SQL
* Lid van:   
  Domein: jenduf.gent
* Computernaam en/of domein wijzigen  
  gebruiker: jenduf\Administrator  
  wachtwoord: Project2018
* Start machine opnieuw op



## SQL

## Powershell:

### Script 1:

#Activeer PS

Set-ExecutionPolicy Unrestricted

Function setName{

Write-Host 'Computernaam wijzigen'

#Change Name

Get-WmiObject win32\_ComputerSystem

$ComputerName = Get-WmiObject win32\_ComputerSystem

$name = "SQLServer"

$ComputerName.Rename($name)

}

Function setIP{

Write-Host 'IP addres geven'

#IP configuration

New-NetIPAddress -InterfaceAlias "Ethernet 2" -IPAddress 192.168.1.3 -DefaultGateway 192.168.1.1 -PrefixLength 24

Set-DnsClientServerAddress -InterfaceAlias "Ethernet 2" -ServerAddresses 192.168.1.1, 192.18.1.2

}

Function createDirectories{

Write-Host 'Directories aanmaken'

#Directories

MD 'C:\Program Files\Microsoft SQL Server'

MD 'C:\Program Files (x86)\Microsoft SQL Server'

MD 'c:\Program Files (x86)\Microsoft SQL Server\DReplayClient\ResultDir'

MD 'c:\Program Files (x86)\Microsoft SQL Server\DReplayClient\WorkingDir'

}

Function NuGet{

Install-PackageProvider -Name NuGet -MinimumVersion 2.8.5.201 -Force

}

Function ServerManager {

Import-Module ServerManager

}

setName

setIP

createDirectories

NuGet

ServerManager

Restart-Computer

### Script 2:

Function Firewall{

Write-Host 'Firewall Config'

Set-NetFirewallProfile -Profile Domain,Public,Private -Enabled False

Write-Host 'Firewall Rule Port 1433'

New-NetFirewallRule -DisplayName "MSSQL ENGINE TCP" -Direction Inbound -LocalPort 1433 -Protocol TCP -Action Allow

}

Function JoinDomain{

Write-Host 'Trying to join domain jenduf.gent'

$DomainName = "jenduf.gent"

$SafeModeAdministratorPassword = "Project2018" | ConvertTo-SecureString -AsPlainText -Force

$domain = "jensduf"

$joindomainuser = "Administrator"

$credential = New-Object System.Management.Automation.PSCredential($joindomainuser,$SafeModeAdministratorPassword)

Add-Computer -DomainName $DomainName -Credential $credential

}

JoinDomain

Firewall

Restart-Computer

### Script 3:

Function SQL{

echo "Downloading SQL..."

cd C:/

wget "https://download.microsoft.com/download/5/E/9/5E9B18CC-8FD5-467E-B5BF-BADE39C51F73/SQLServer2017-SSEI-Expr.exe" -OutFile SQLServer2017-SSEI.exe

Start-Process -FilePath ./SQLServer2017-SSEI.exe -ArgumentList "/action=download /quiet /enu /MediaPath=C:/" -wait

Remove-Item ./SQLServer2017-SSEI.exe

Start-Process -FilePath C:/SQLEXPR\_x64\_ENU.exe -WorkingDirectory C:/ /q -wait

Write-Host 'SQL Installeren'

Start-Process -FilePath C:/SQLEXPR\_x64\_ENU/SETUP.EXE -ArgumentList "/Q /Action=install /IAcceptSQLServerLicenseTerms /FEATURES=SQL,Tools /TCPENABLED=1 /SECURITYMODE=`"SQL`" /SQLSYSADMINACCOUNTS=`"BUILTIN\Administrators`" /INSTANCENAME=`"SQL`" /INSTANCEID=`"SQL`" /SAPWD=`"@Project2018`"" -wait

}

Function SSMS{

Write-Host 'SQL Managemnt Studio Installeren'

cd C:/

wget "https://go.microsoft.com/fwlink/?linkid=858904" -OutFile SSMS-Setup-ENU.exe

Start-Process -FilePath "C:\SSMS-Setup-ENU.exe" -ArgumentList '/s' -Wait -PassThru

}

SQL

SSMS

Restart-Computer