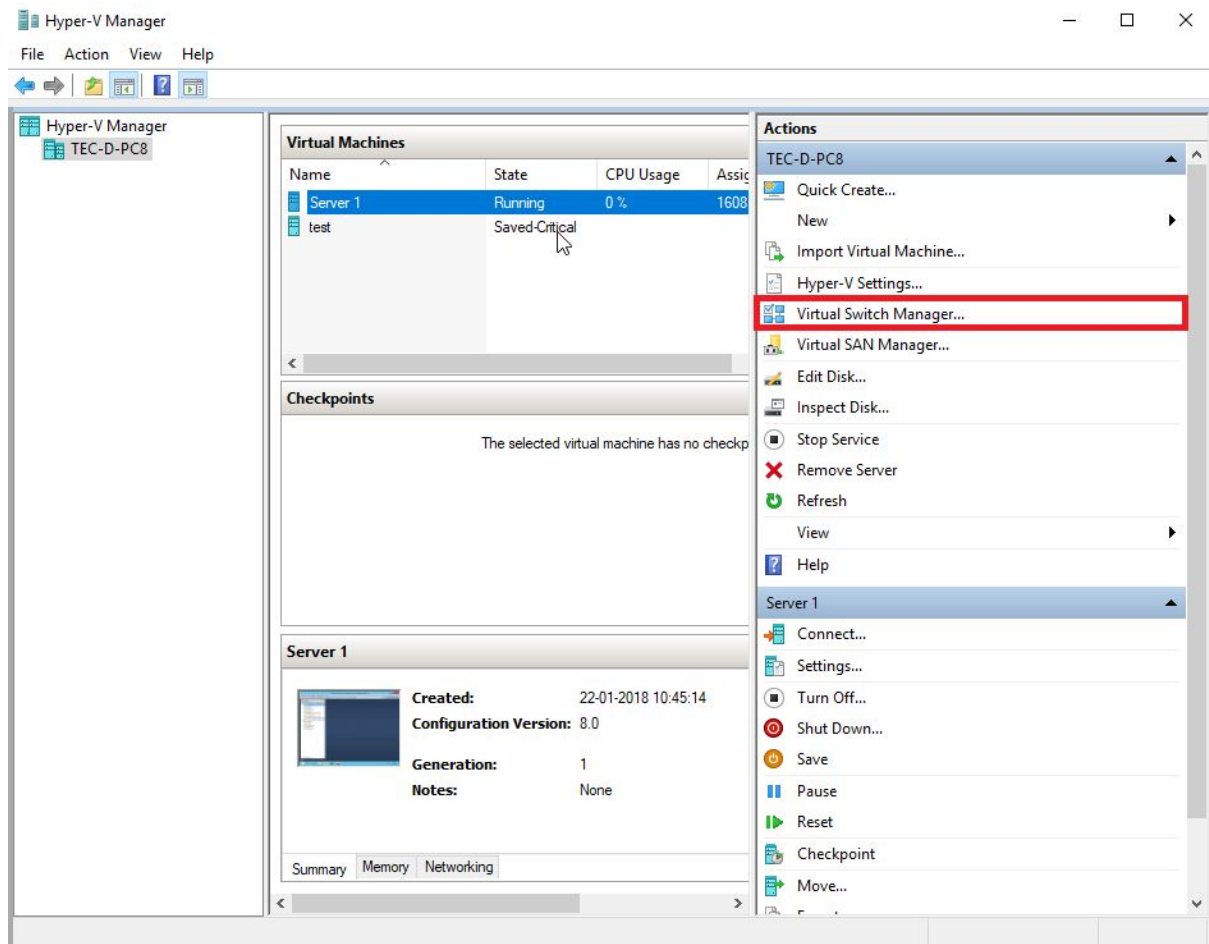


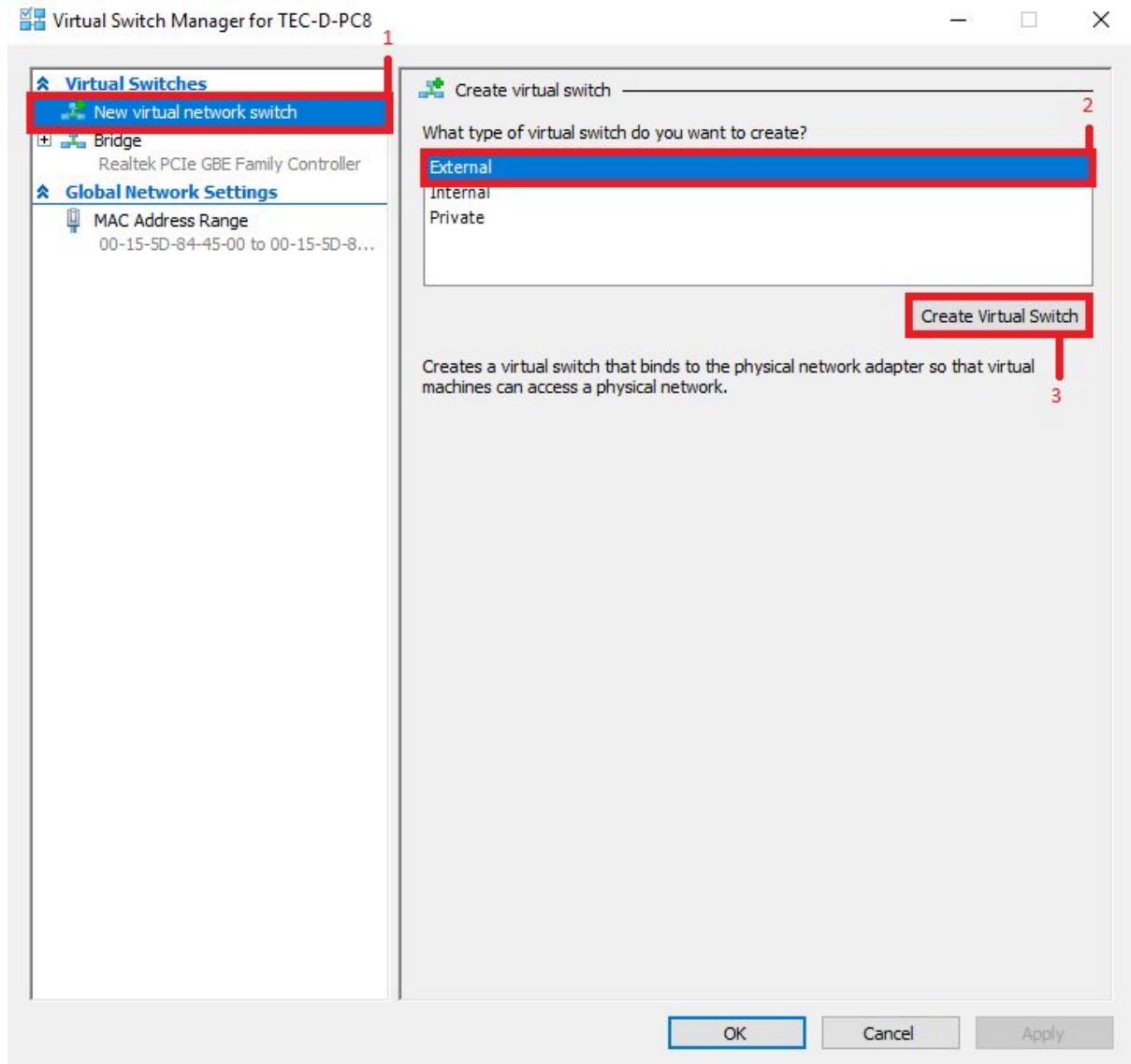
Hyper-V

Switch

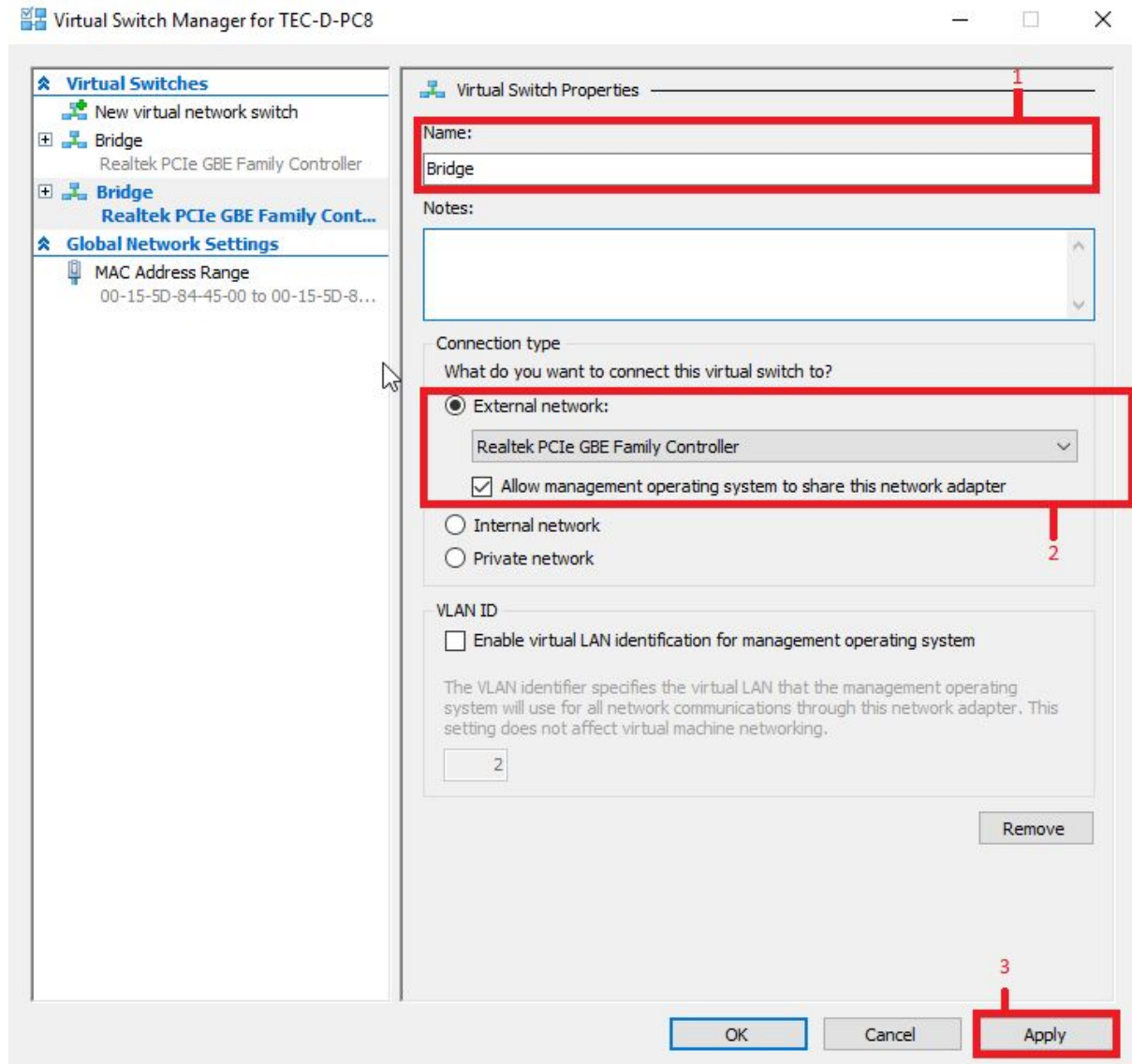
Vælg "Virtual Switch Manager" fra menuen i højre side



Vælg "New virtual network switch" (1), typen skal være "External" (2) Klik nu på knappen "Create Virtual Switch" (3).



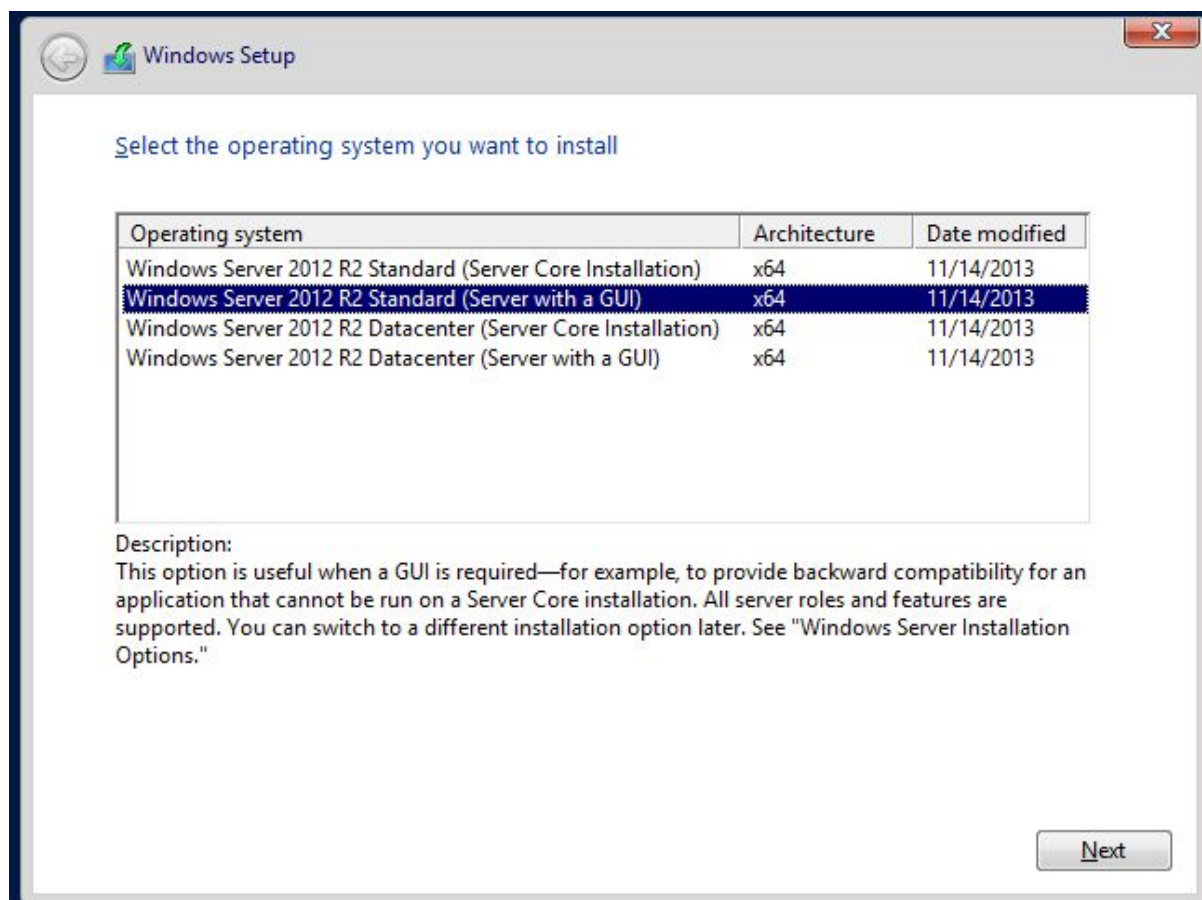
Vælg et navn "Name" (1), Tjek om "External network" (2) er valgt og at "Allow management operating system to share this network adapter" (2) er tjekket af, til sidst klik på knappen "Apply" (3).



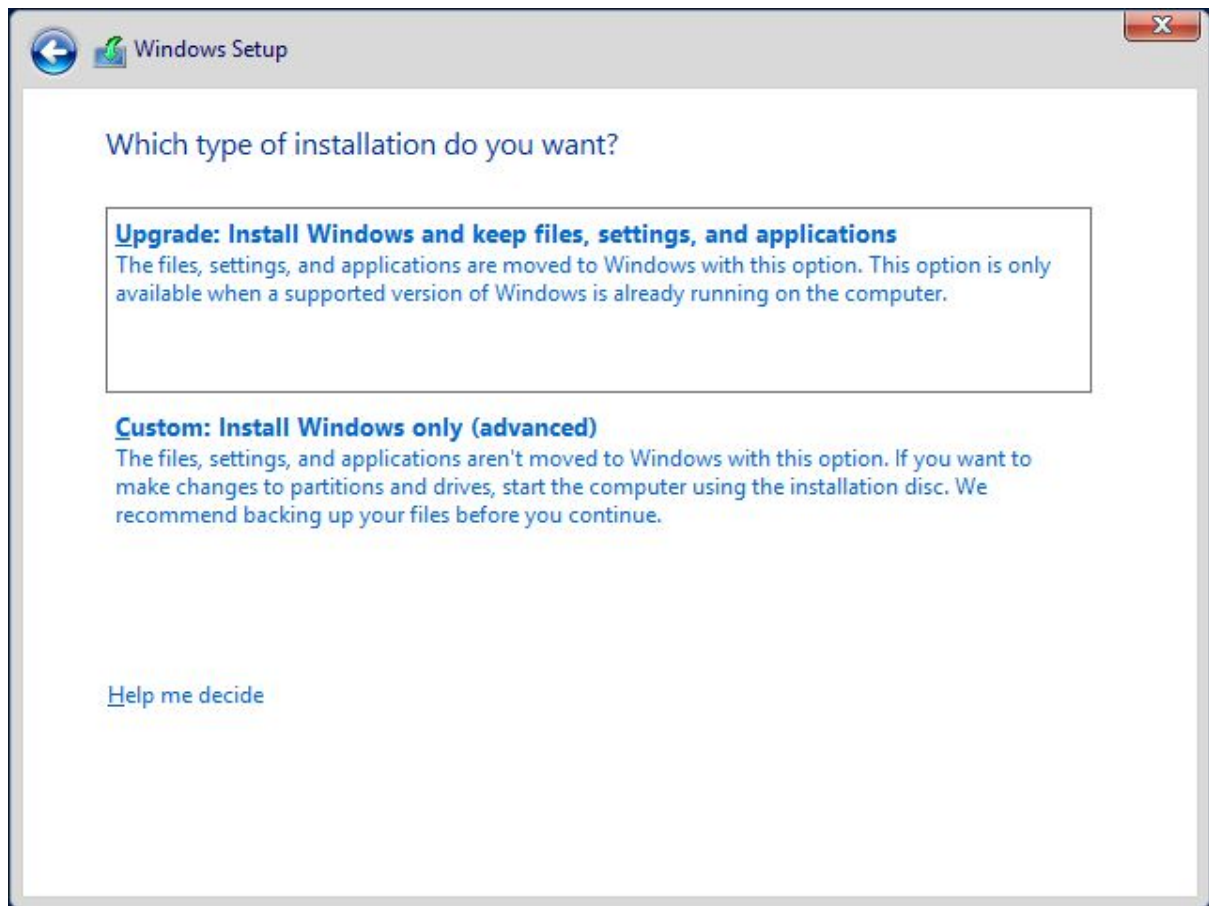
Server 2012

Installation

vælg GUI for at få et grafisk interface.

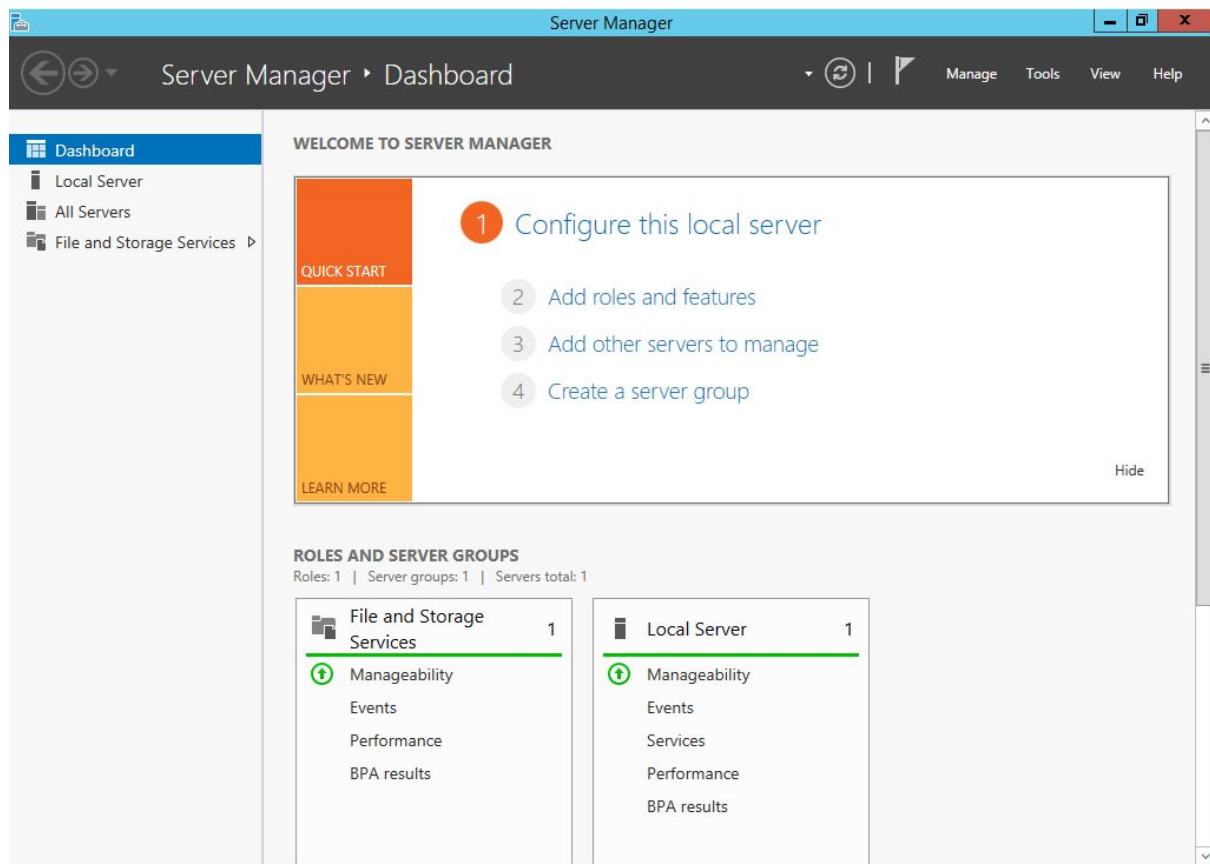


Vælg custom.

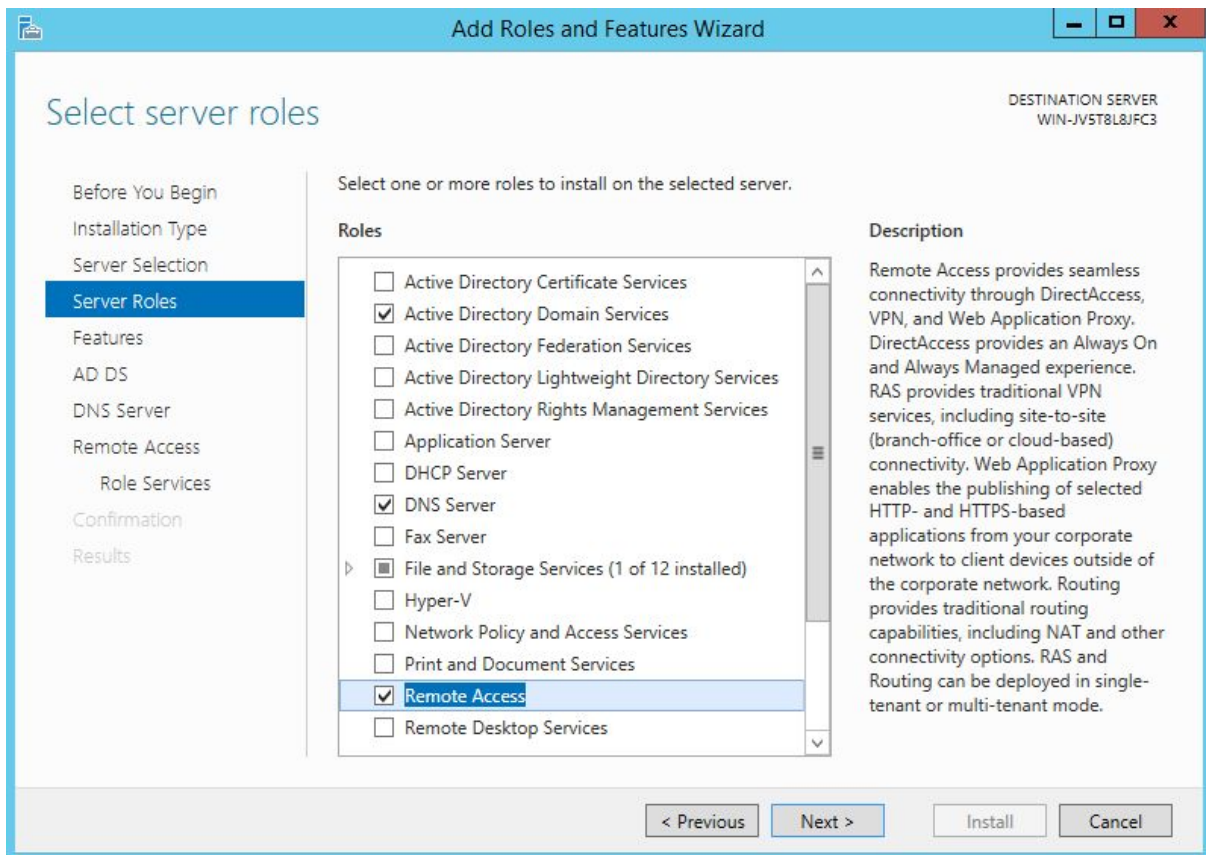


Roles og features

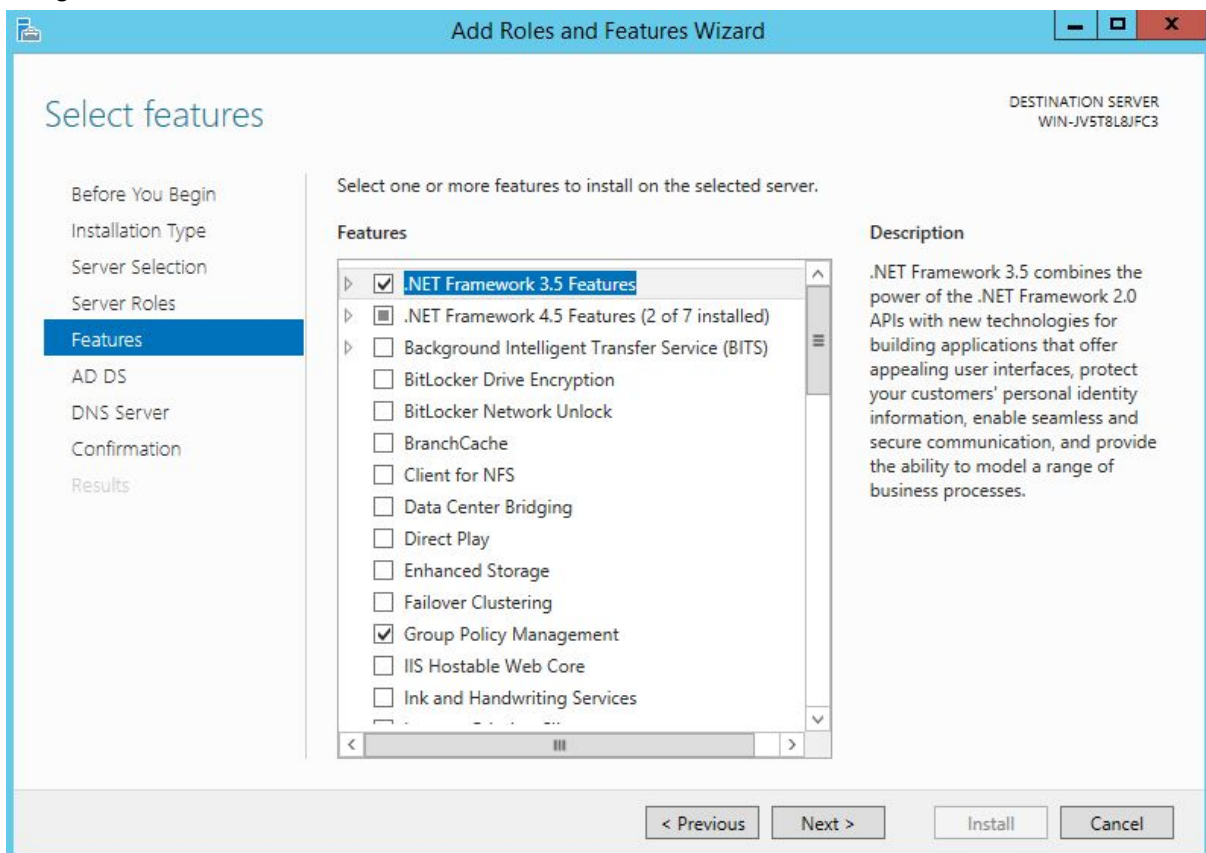
Åben Server Manager, vælg "Add roles and features".



Vælg Active Directory Domain Services og Remote Access.

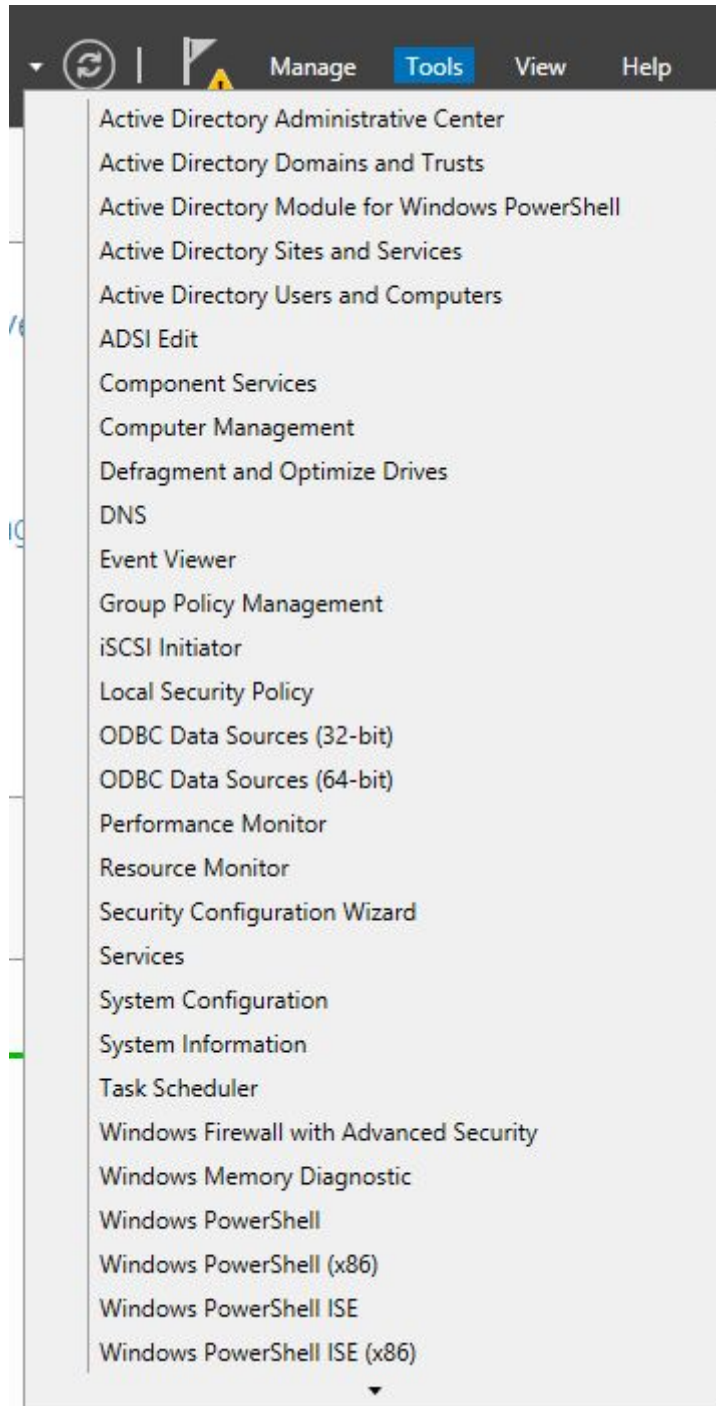


Vælg .Net Framework 3.5

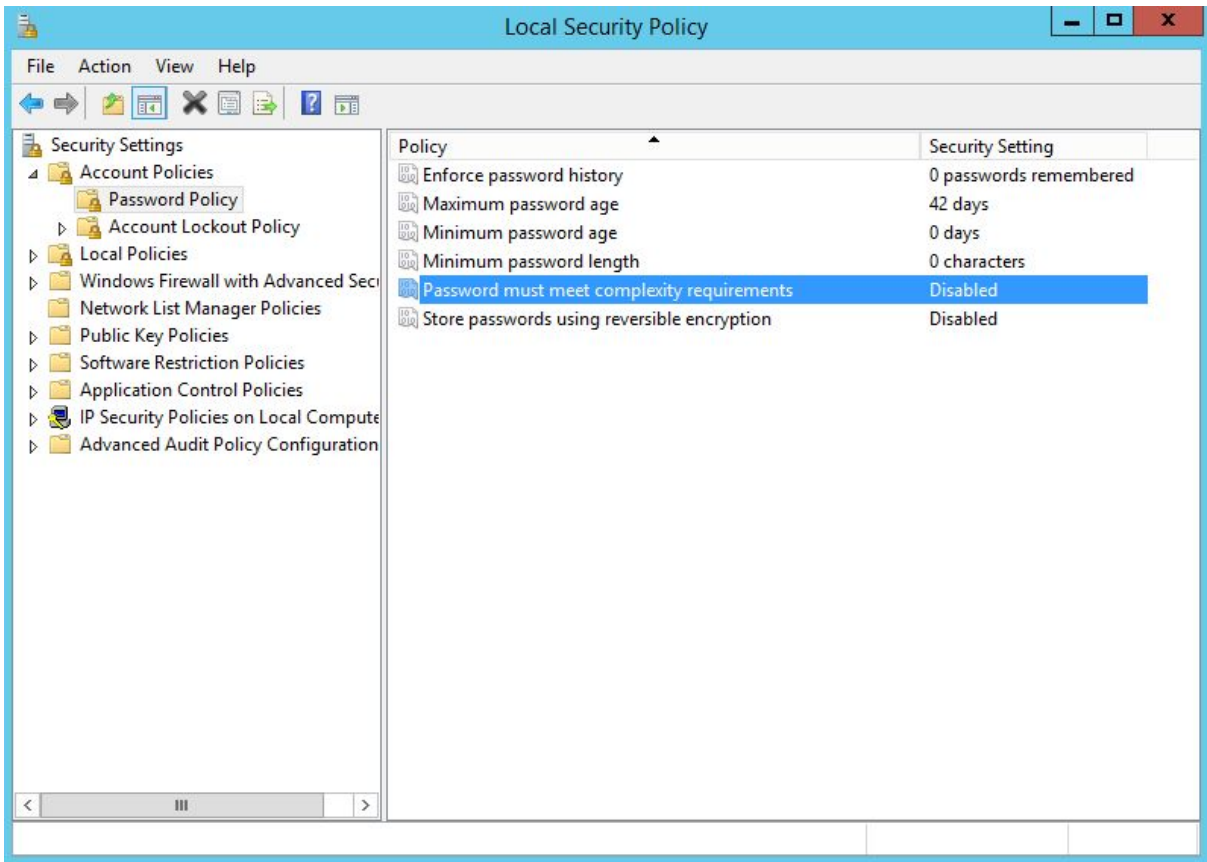


Opret ny bruger

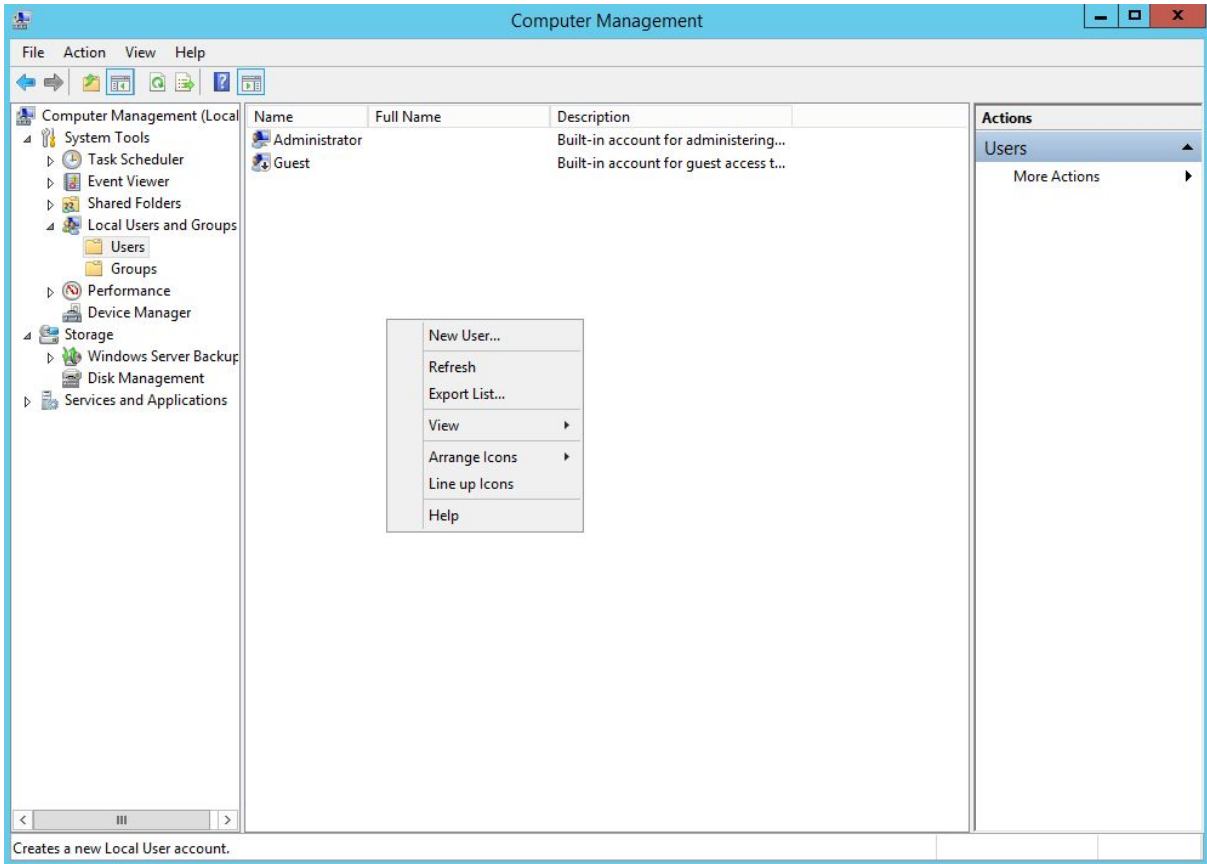
Åben Local Security Policy for at specificere password regler, og åben Computer Management for at lave en ny bruger.



Her kan du bestemme hvilke password regler skal være gældne.



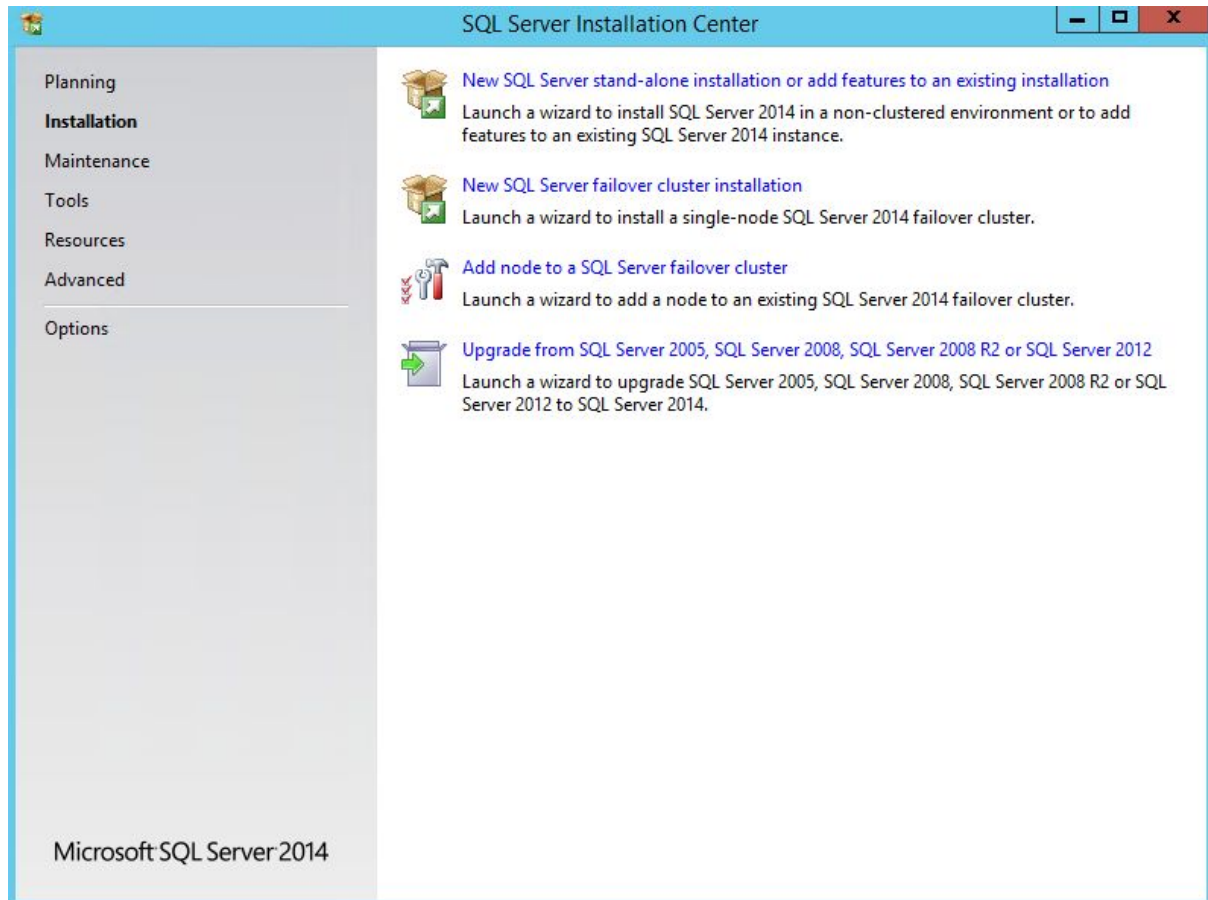
Her laver du en ny bruger.



Sql Server 2014

Installation

Vælg "New SQL Server stand-alone".



Vælg express medmindre du har en produktnøgle.

SQL Server 2014 Setup

Product Key

Specify the edition of SQL Server 2014 to install.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Setup Role
Feature Selection
Feature Rules
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

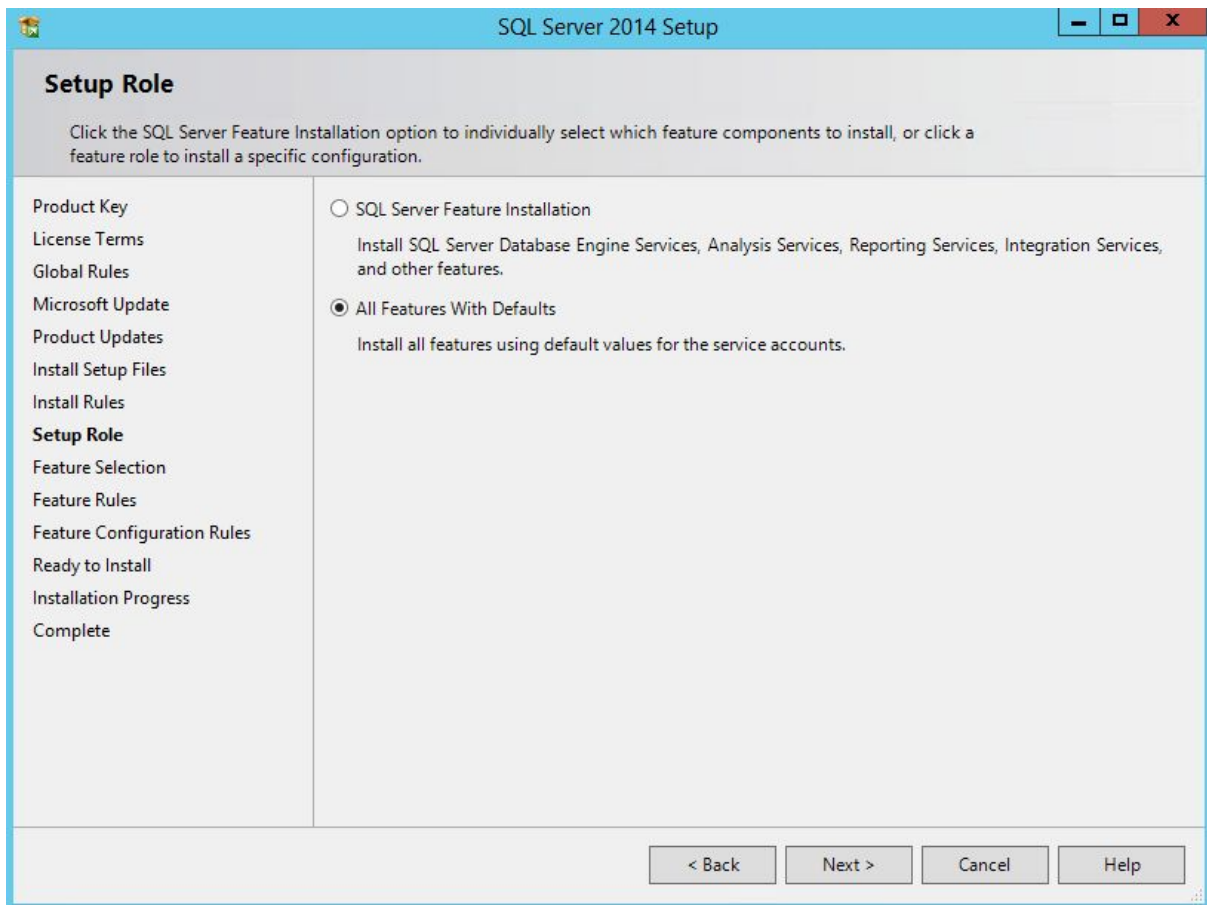
Validate this instance of SQL Server 2014 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server, such as Evaluation or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. To upgrade from one edition to another, run the Edition Upgrade Wizard.

☒ Specify a free edition:
Express

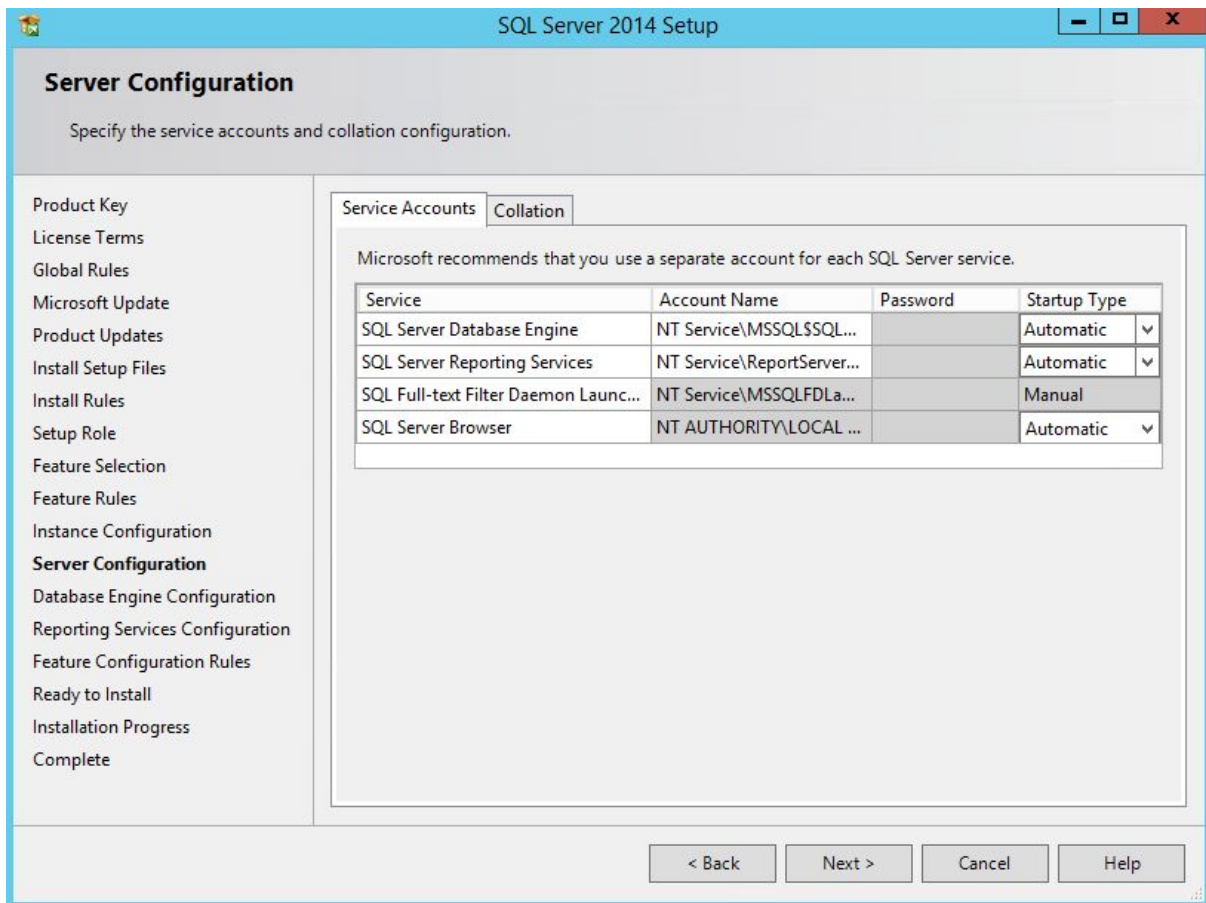
☐ Enter the product key:

< Back Next > Cancel

Vælg "all features".



server database, reporting og browser skal sættes til automatisk.



SQL Server 2014 Setup

Server Configuration

Specify the service accounts and collation configuration.

Product Key
License Terms
Global Rules
Microsoft Update
Product Updates
Install Setup Files
Install Rules
Setup Role
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

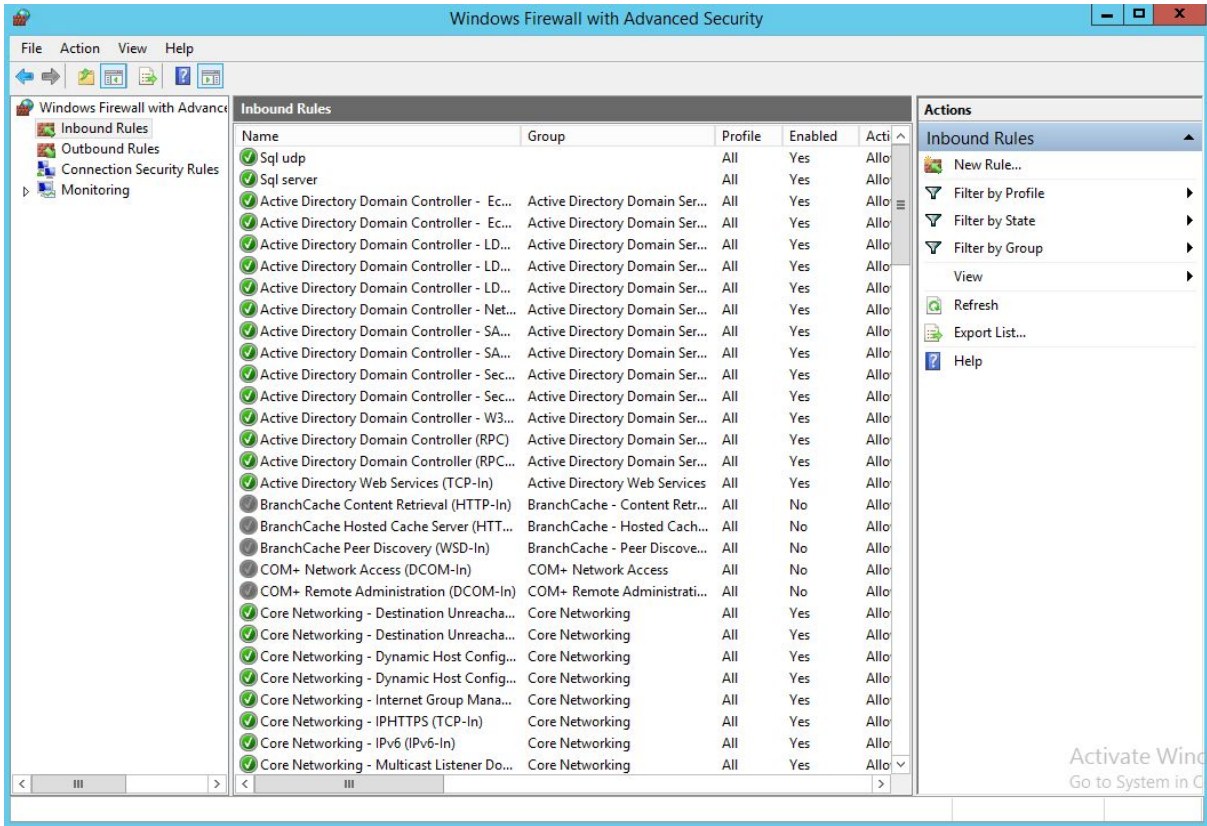
Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine	NT Service\MSSQLSQL...		Automatic ▼
SQL Server Reporting Services	NT Service\ReportServer...		Automatic ▼
SQL Full-text Filter Daemon Launc...	NT Service\MSSQLFDLa...		Manual
SQL Server Browser	NT AUTHORITY\LOCAL ...		Automatic ▼

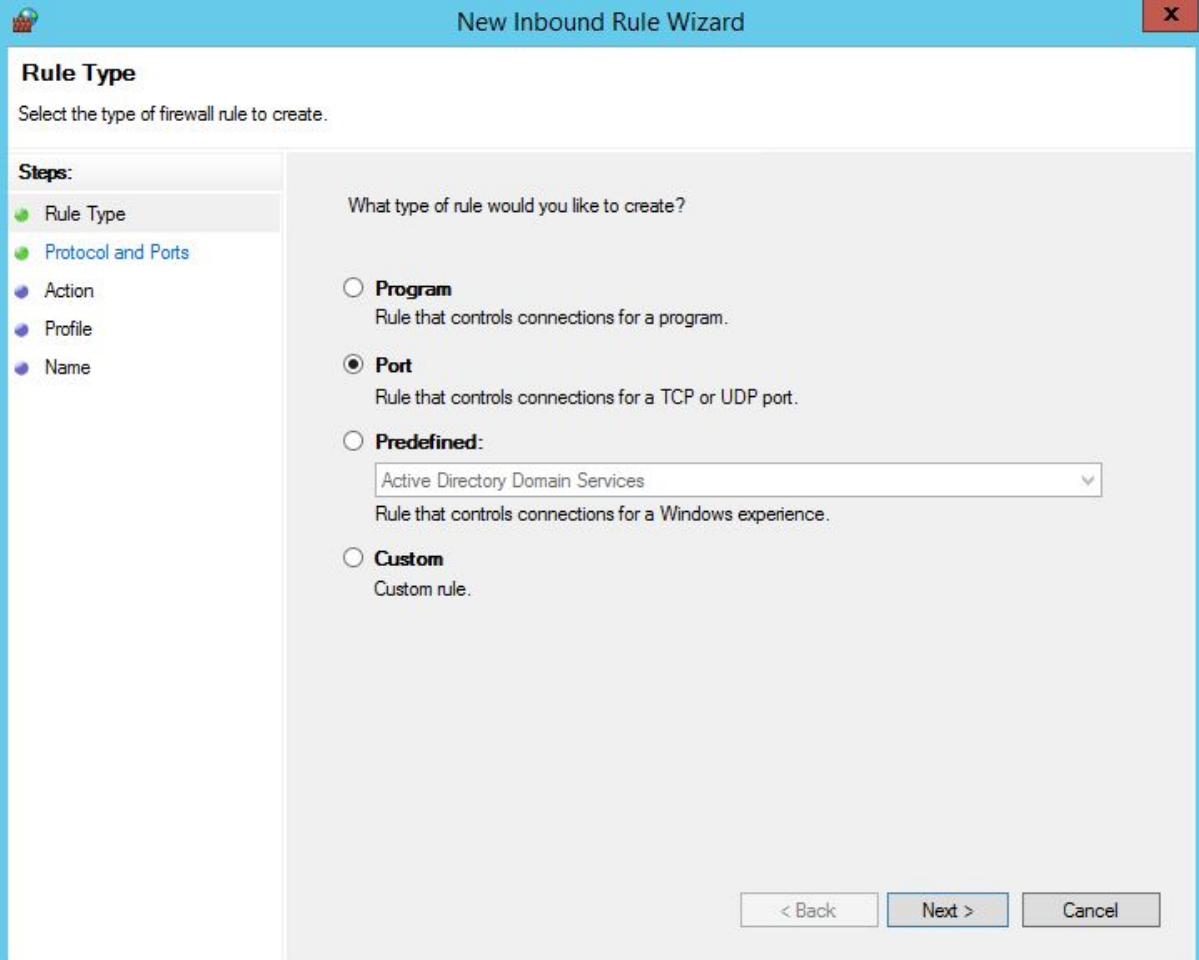
< Back Next > Cancel Help

Firewall



Port

Vælg regel typen "Port".



The image shows a Windows Firewall 'New Inbound Rule Wizard' window. The title bar is blue with the text 'New Inbound Rule Wizard' and a close button. The main area is titled 'Rule Type' and contains the instruction 'Select the type of firewall rule to create.' On the left, a 'Steps:' sidebar lists five steps: 'Rule Type' (selected with a green dot), 'Protocol and Ports' (blue dot), 'Action' (purple dot), 'Profile' (purple dot), and 'Name' (purple dot). The main content area asks 'What type of rule would you like to create?' and lists four options: 'Program' (radio button), 'Port' (selected radio button), 'Predefined:' (radio button), and 'Custom' (radio button). The 'Predefined:' option has a dropdown menu showing 'Active Directory Domain Services'. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Rule Type
Select the type of firewall rule to create.

Steps:

- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What type of rule would you like to create?

☐ **Program**
Rule that controls connections for a program.

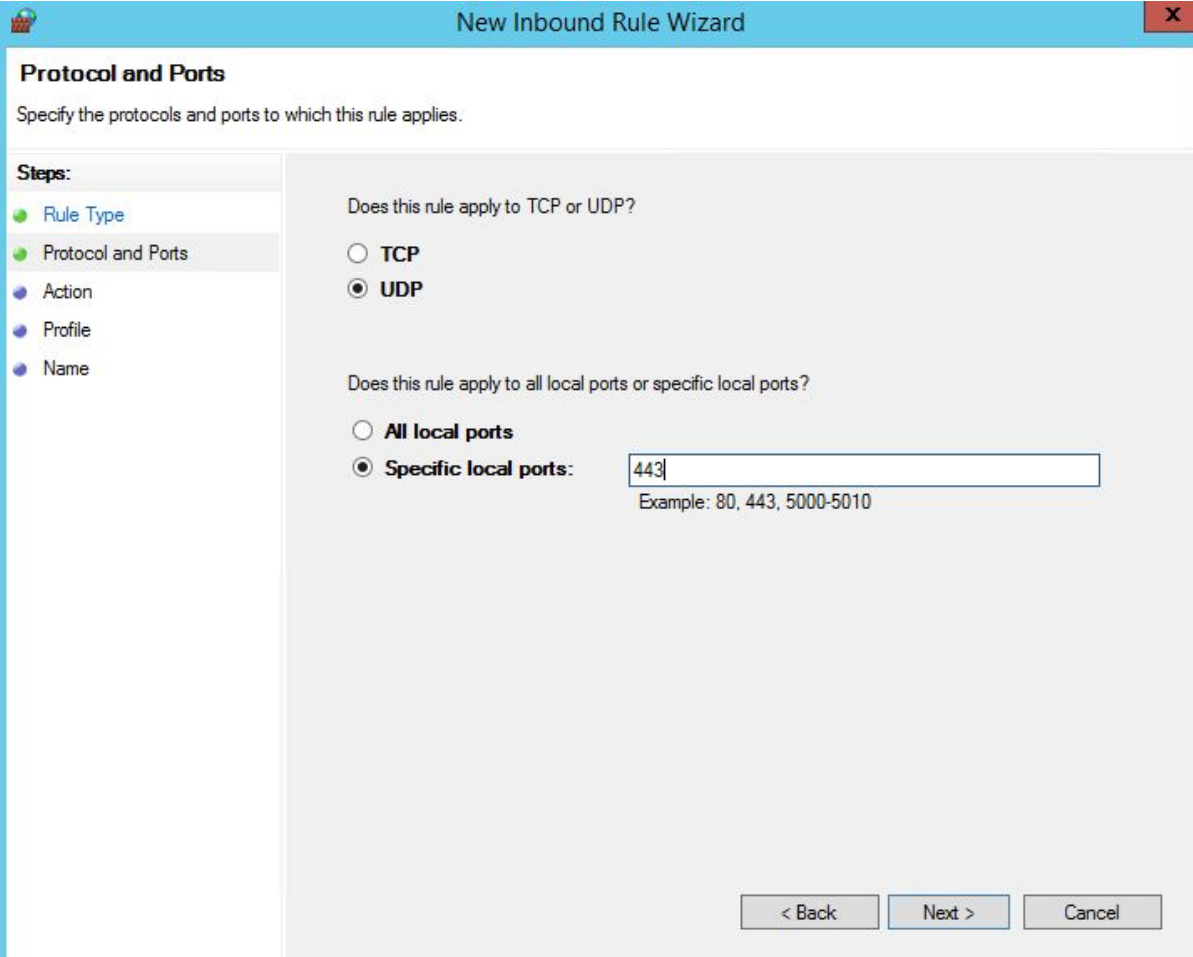
☒ **Port**
Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**
Active Directory Domain Services
Rule that controls connections for a Windows experience.

☐ **Custom**
Custom rule.

< Back Next > Cancel

Vælg "UDP" som regel type, specificer porten "443".



The image shows a Windows Firewall 'New Inbound Rule Wizard' window. The title bar is blue with the text 'New Inbound Rule Wizard' and a close button. The main window has a light blue header with the title 'Protocol and Ports' and a subtitle 'Specify the protocols and ports to which this rule applies.' On the left, a 'Steps' sidebar lists 'Rule Type', 'Protocol and Ports' (highlighted), 'Action', 'Profile', and 'Name'. The main area contains two questions. The first, 'Does this rule apply to TCP or UDP?', has radio buttons for 'TCP' and 'UDP', with 'UDP' selected. The second, 'Does this rule apply to all local ports or specific local ports?', has radio buttons for 'All local ports' and 'Specific local ports', with 'Specific local ports' selected. Below this is a text box containing '443' and an example text 'Example: 80, 443, 5000-5010'. At the bottom right are three buttons: '< Back', 'Next >', and 'Cancel'.

Protocol and Ports
Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Protocol and Ports**
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

☐ TCP

☒ UDP

Does this rule apply to all local ports or specific local ports?

☐ All local ports

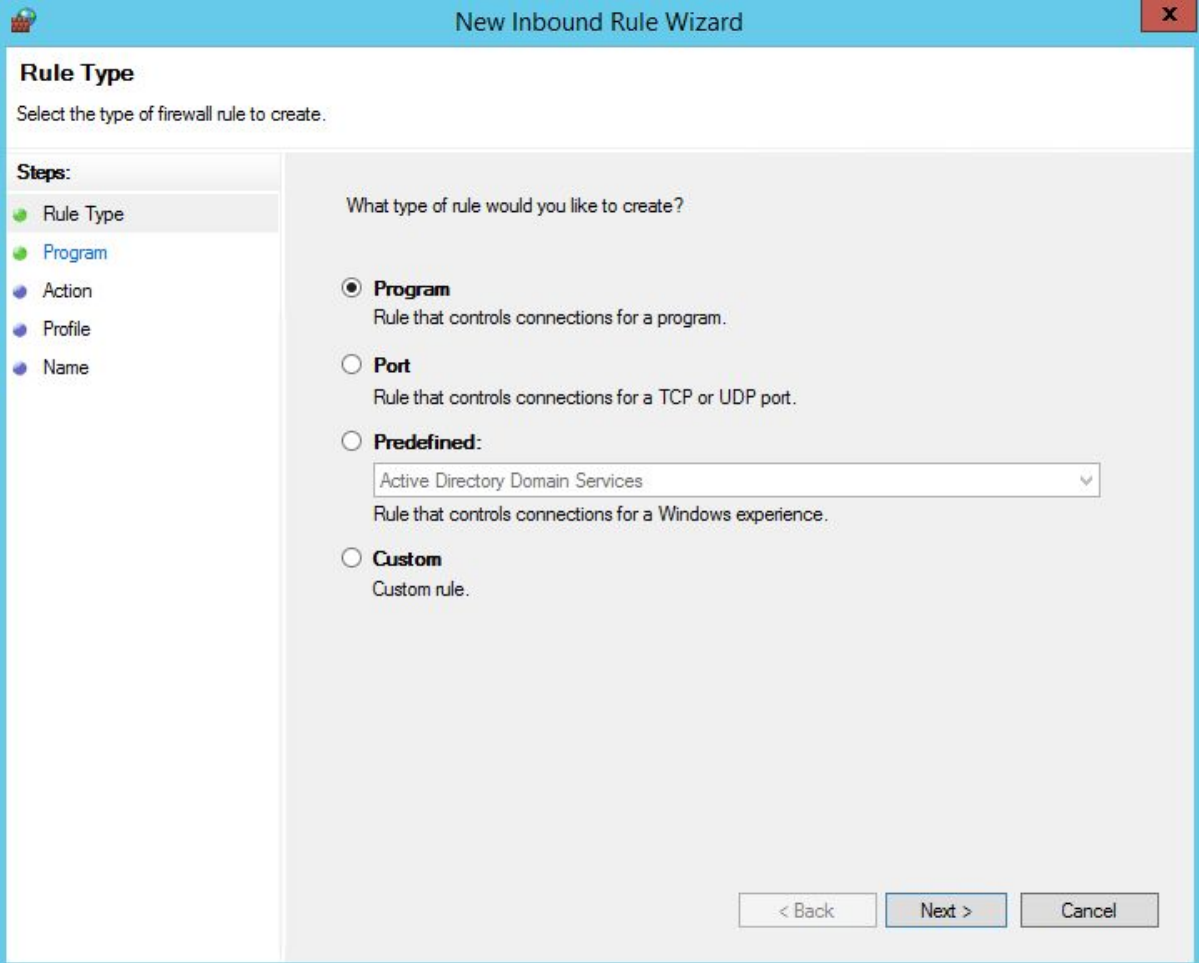
☒ Specific local ports:

Example: 80, 443, 5000-5010

< Back Next > Cancel

Program

Vælg regel typen "Program".



The image shows a Windows Firewall 'New Inbound Rule Wizard' window. The title bar is blue with the text 'New Inbound Rule Wizard' and a close button. The main area is titled 'Rule Type' and contains the instruction 'Select the type of firewall rule to create.' On the left, a 'Steps:' pane lists 'Rule Type', 'Program', 'Action', 'Profile', and 'Name', with 'Program' highlighted in blue. The main content area asks 'What type of rule would you like to create?' and offers four radio button options: 'Program' (selected), 'Port', 'Predefined:', and 'Custom'. Each option has a brief description. The 'Predefined:' option includes a dropdown menu currently showing 'Active Directory Domain Services'. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Rule Type
Select the type of firewall rule to create.

Steps:

- Rule Type
- Program**
- Action
- Profile
- Name

What type of rule would you like to create?

☒ **Program**
Rule that controls connections for a program.

☐ **Port**
Rule that controls connections for a TCP or UDP port.

☐ **Predefined:**
Active Directory Domain Services
Rule that controls connections for a Windows experience.

☐ **Custom**
Custom rule.

< Back Next > Cancel

Vælg "Program path" og browser efter filen "sqlservr.exe" som i dette tilfælde ligger i en mappe på C drevet "C:\Program Files\Microsoft SQL Server\MSSQL12.<InstanceName>\MSSQL\Binn\sqlservr.exe"

The screenshot shows the 'New Inbound Rule Wizard' window, specifically the 'Program' step. The window has a blue title bar with the text 'New Inbound Rule Wizard' and a close button (X) in the top right corner. On the left side, there is a 'Steps:' list with five items: 'Rule Type' (green dot), 'Program' (green dot and selected), 'Action' (blue dot), 'Profile' (blue dot), and 'Name' (blue dot). The main area of the wizard is light gray and contains the following text: 'Specify the full program path and executable name of the program that this rule matches.' Below this, it asks 'Does this rule apply to all programs or a specific program?'. There are two radio button options: 'All programs' (unselected) and 'This program path:' (selected). Under 'All programs', it says 'Rule applies to all connections on the computer that match other rule properties.' Under 'This program path:', there is a text box containing '%ProgramFiles%\Microsoft SQL Server\MSSQL12.SQLEXPRESS\MSSQL\' and a 'Browse...' button to its right. Below the text box, it says 'Example: c:\path\program.exe' and '%ProgramFiles%\browser\browser.exe'. At the bottom right of the wizard, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Program

Specify the full program path and executable name of the program that this rule matches.

Steps:

- Rule Type
- Program**
- Action
- Profile
- Name

Does this rule apply to all programs or a specific program?

☐ **All programs**
Rule applies to all connections on the computer that match other rule properties.

☒ **This program path:**

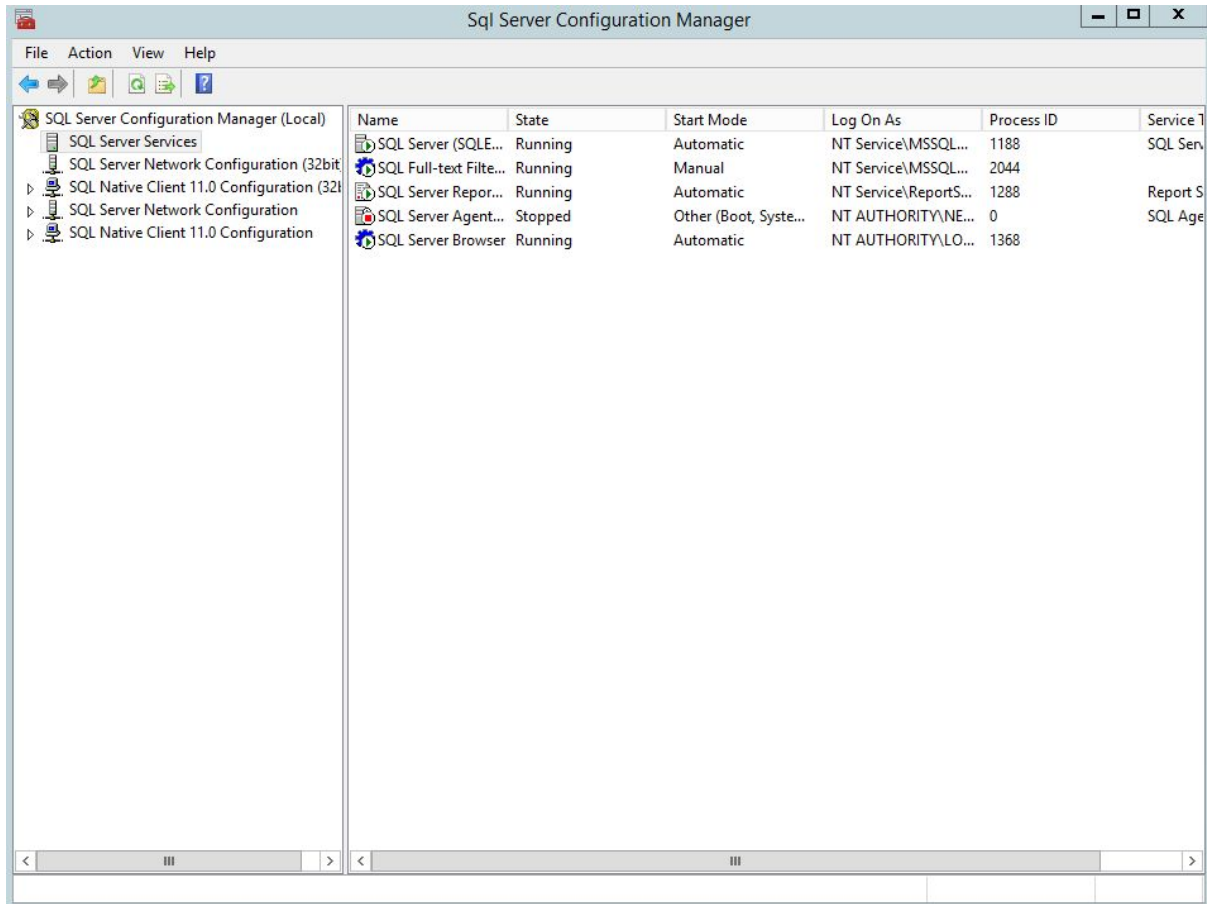
%ProgramFiles%\Microsoft SQL Server\MSSQL12.SQLEXPRESS\MSSQL\ Browse...

Example: c:\path\program.exe
%ProgramFiles%\browser\browser.exe

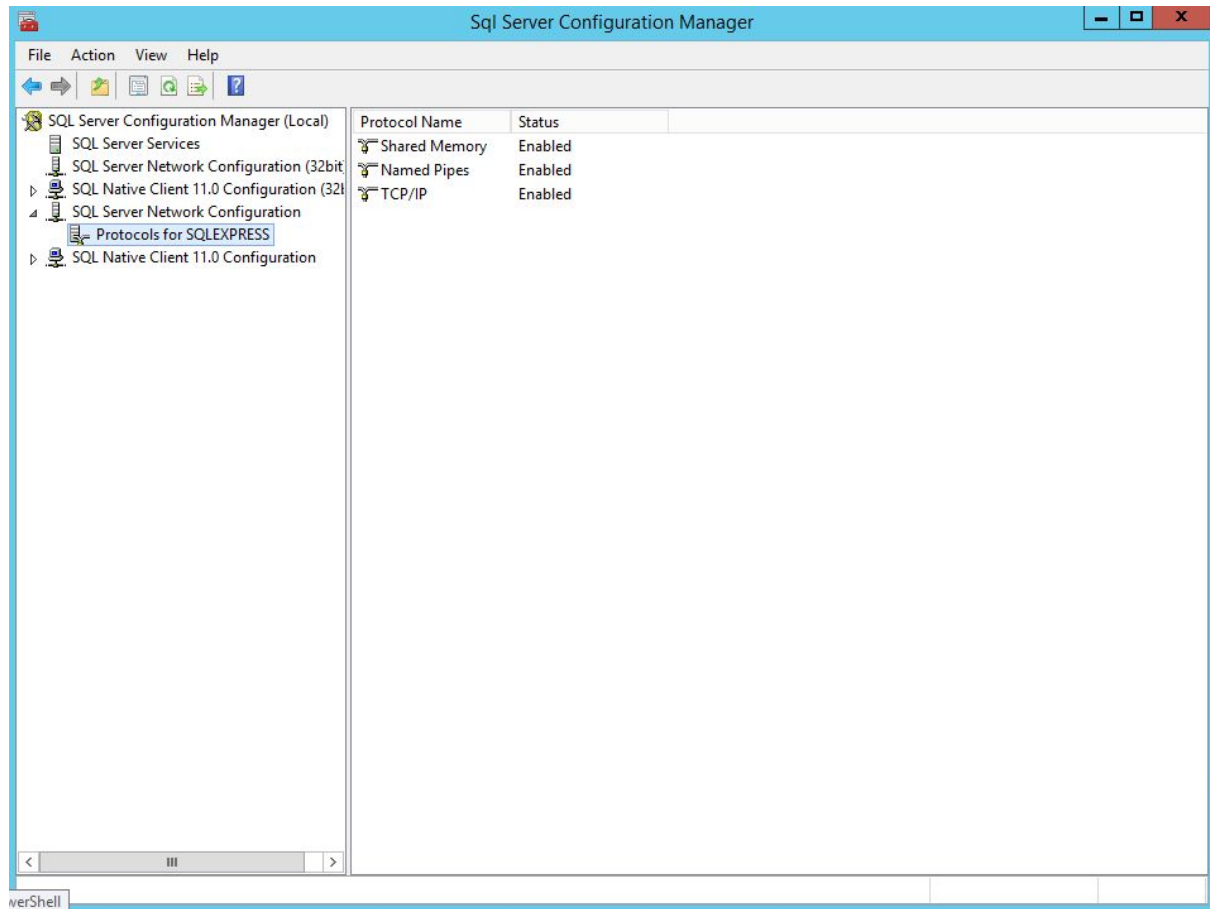
< Back Next > Cancel

Sql server configuration manager

her kan du se om din server er oppe og køre, både serveren og server browser skal køre.

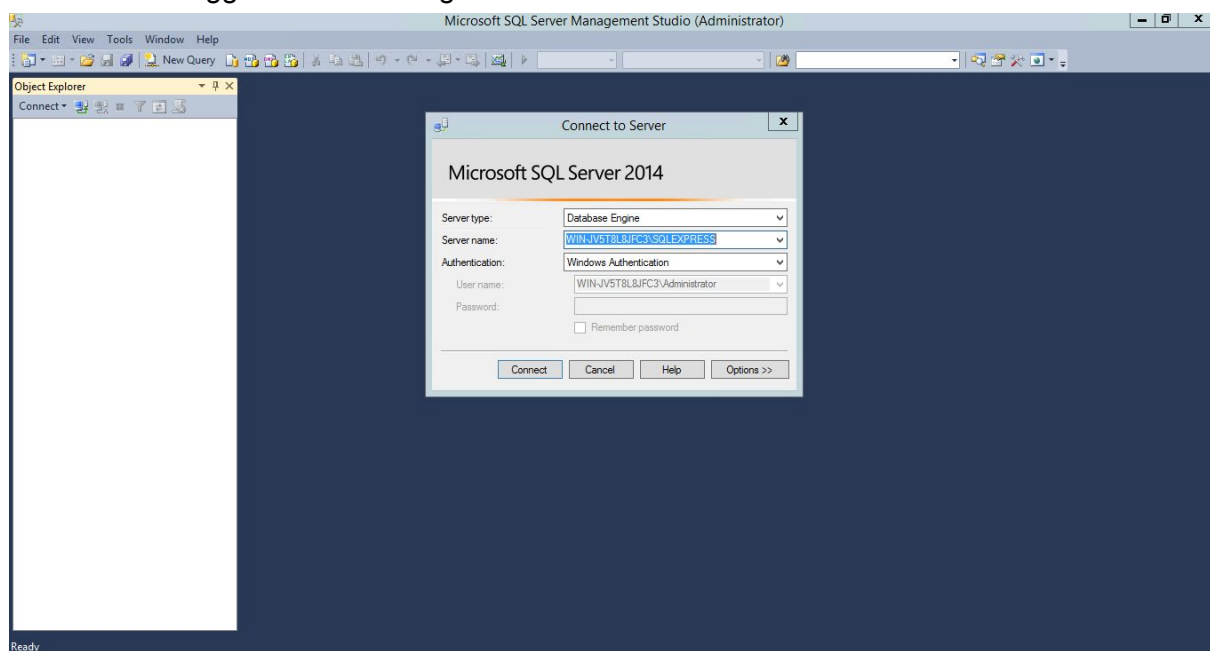


alle 3 protokoller vist på billedet skal være enabled for at serveren kan tilgås fra en anden computer



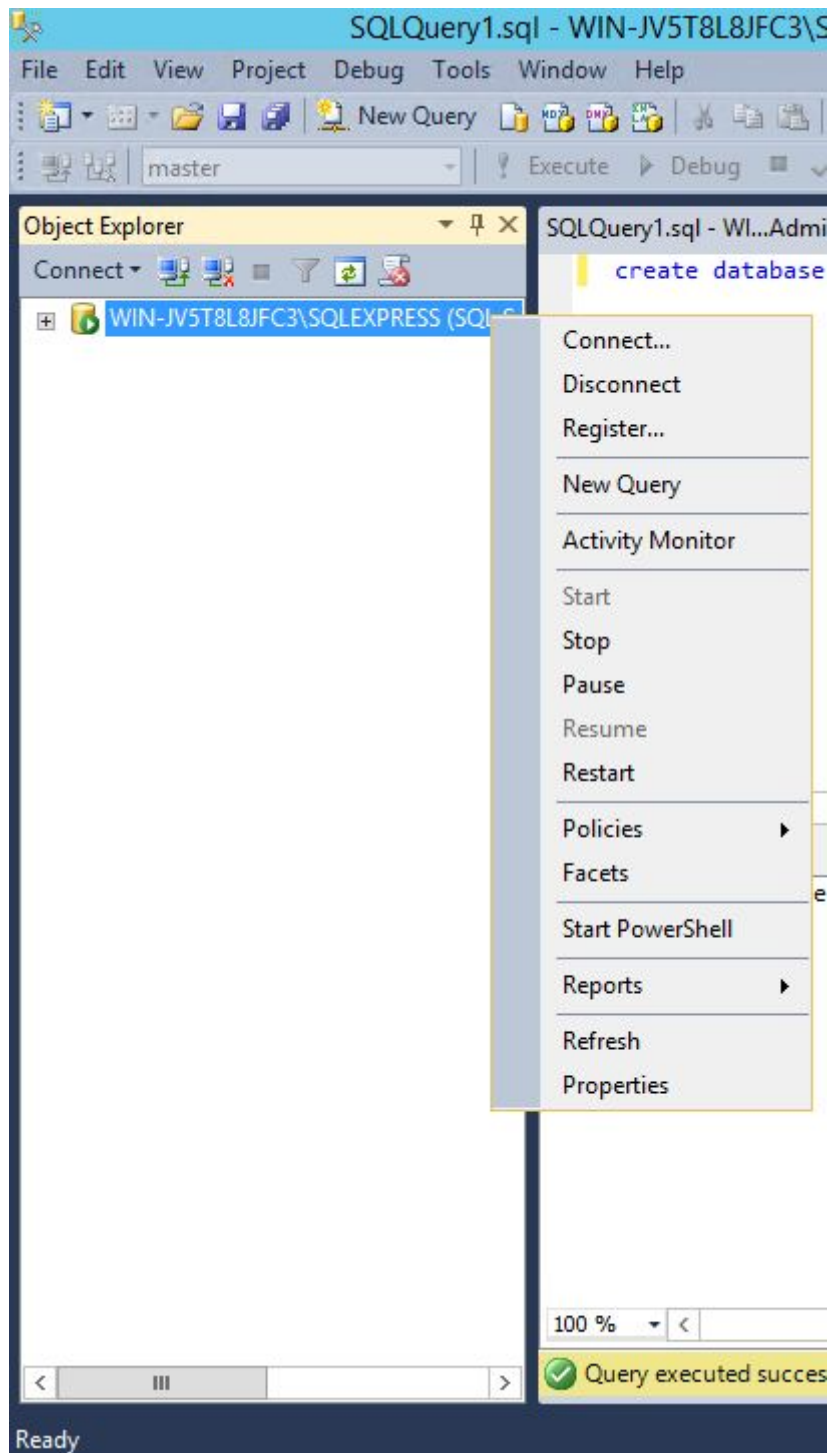
Database opsætning

Først skal du logge ind dette kan gøres med windows authentication.

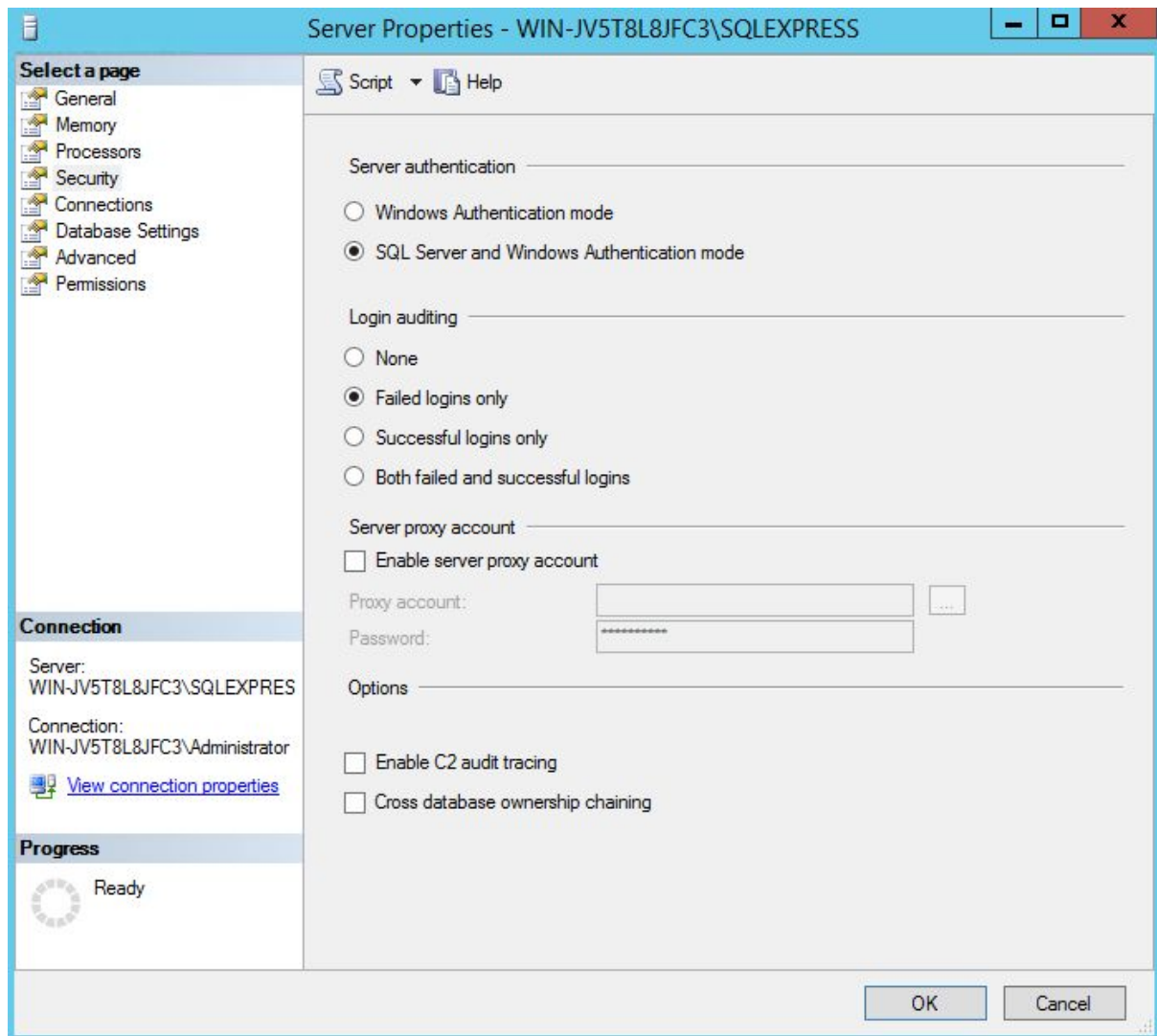


Server

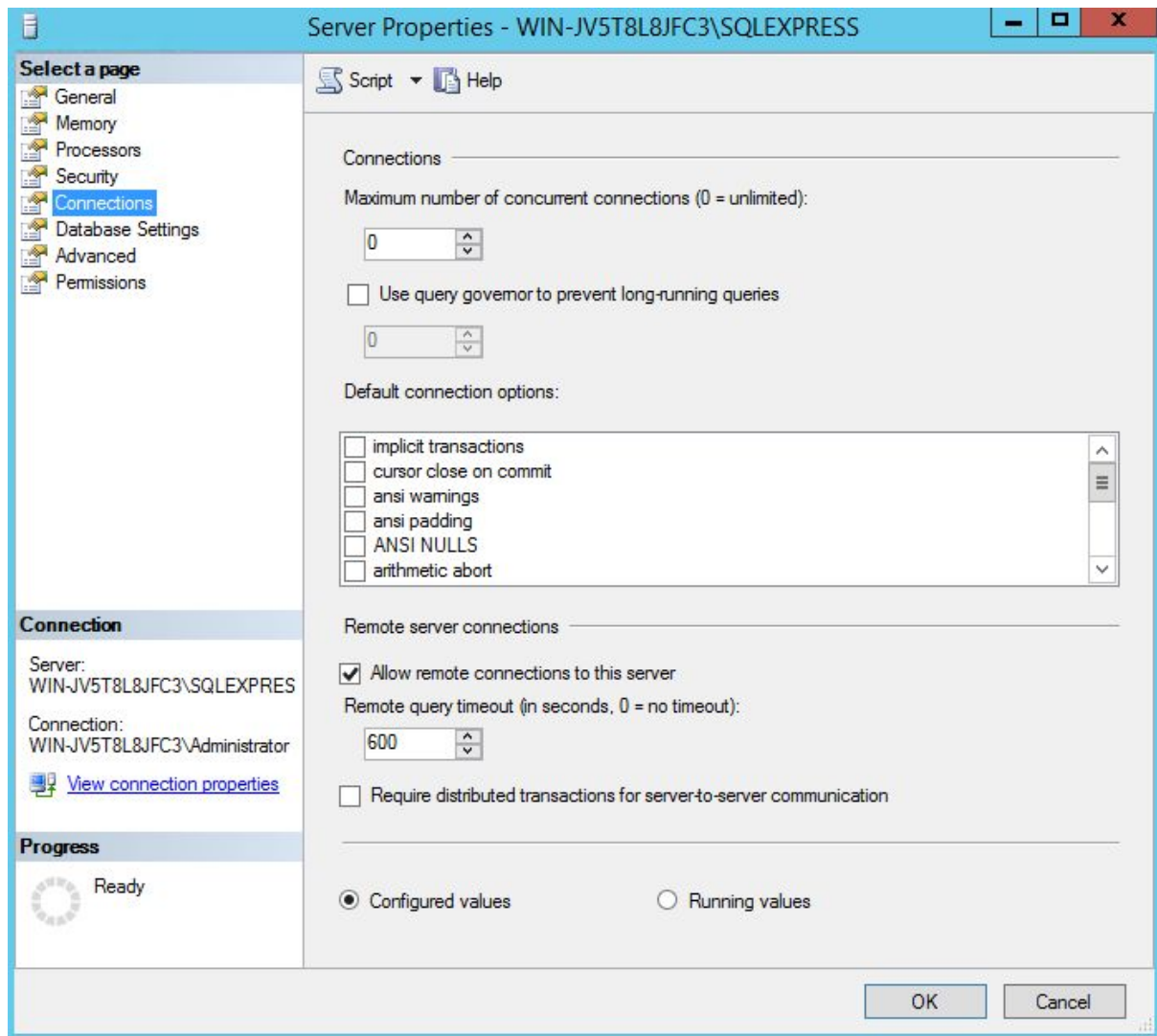
vælg properties.



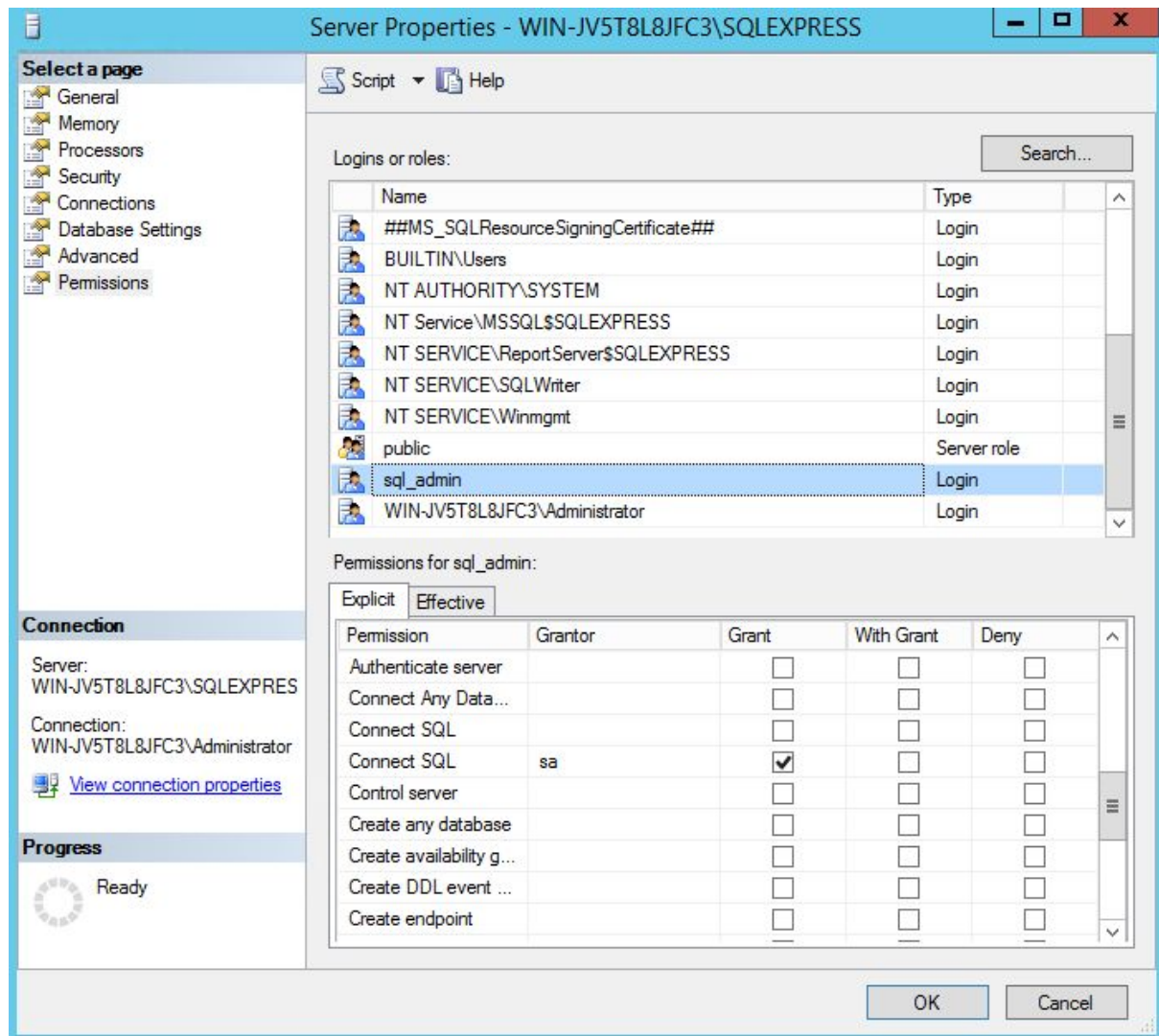
Afmærk "SQL Server and Windows Authentication mode".



“Allow remote connections to this server” skal være aktiveret

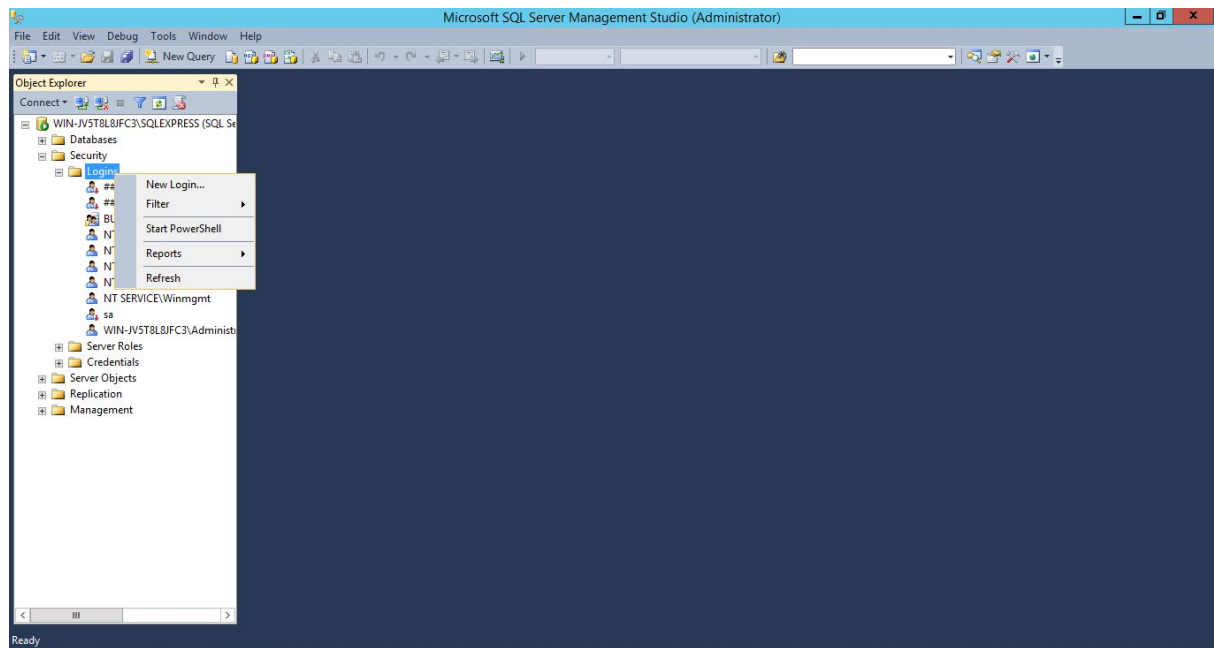


Her kan du bestemme hvad hver bruger skal være i stand til.



New user

Først skal du vælge “New Login”.



Du skal nu udfylde formen på billedet som vist.

Login - New

Script Help

Select a page

- General
- Server Roles
- User Mapping
- Securables
- Status

Connection

Server: WIN-JV5T8L8JFC3\SQLEXPRES

Connection: WIN-JV5T8L8JFC3\Administrator

[View connection properties](#)

Progress

Ready

Login name: sql_admin Search...

☐ Windows authentication

☒ SQL Server authentication

Password:

Confirm password:

☐ Specify old password

Old password:

☒ Enforce password policy

☐ Enforce password expiration

☐ User must change password at next login

☐ Mapped to certificate

☐ Mapped to asymmetric key

☐ Map to Credential

Mapped Credentials

Credential	Provider
------------	----------

Add

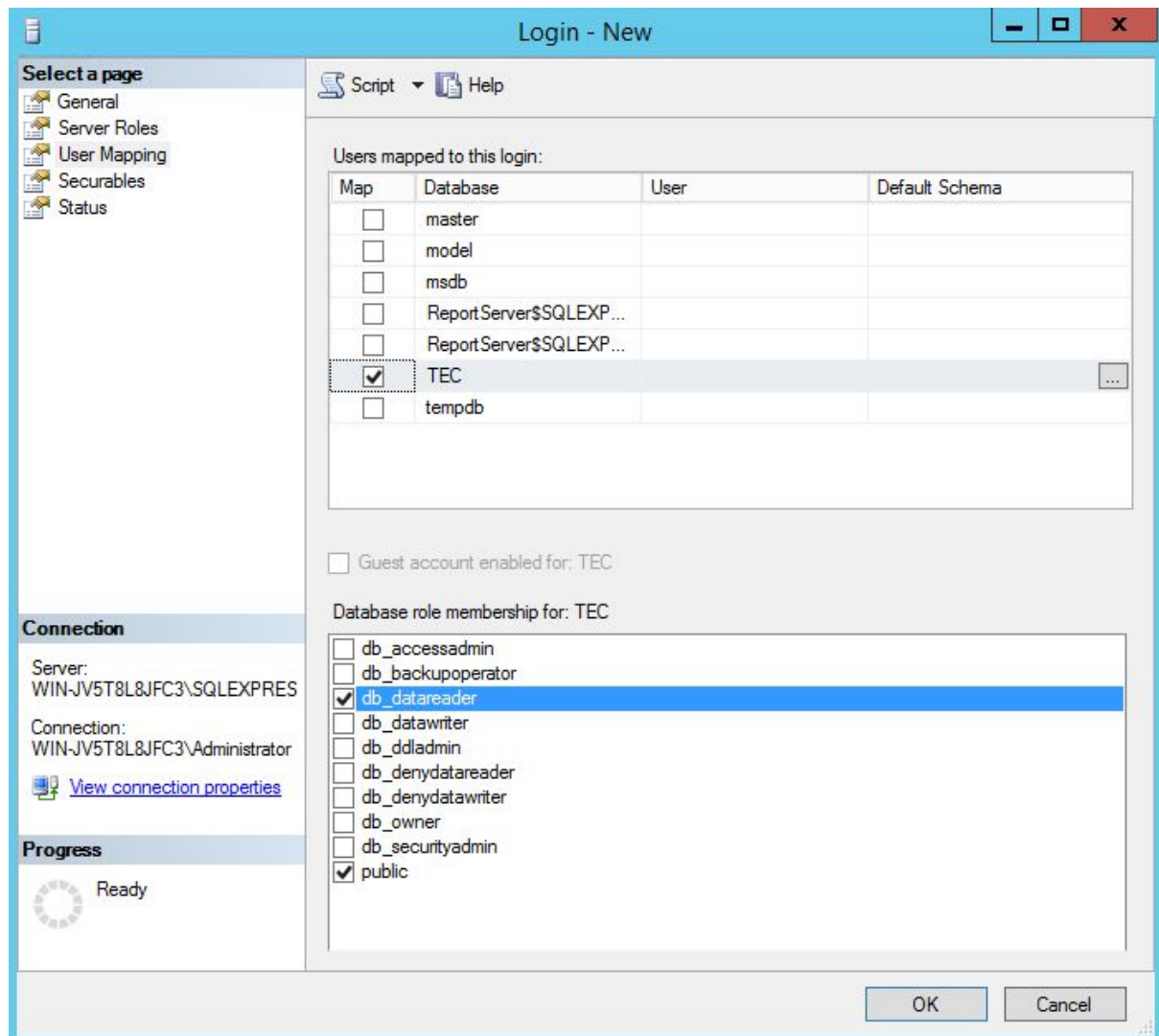
Remove

Default database: master

Default language: <default>

OK Cancel

Under User Mapping bestemmer du hvilke databaser brugeres har adgang til samt hvad den bruger kan gøre med databasen.



og til sidst sikrer dig at brugeren kan login og få adgang til database engine.

