



Flytning af SIMS installation

| Version | Forfatter | Ændringer | Dato |
|---------|--------------------|-----------|------------|
| 1.1 | Christian Tyllesen | 1. udgave | 24.05.2022 |

Flytning af SIMS Installation til ny server (standalone)

Generelt gælder det at SQL serveren skal understøtte SQL Authentication (Mixed mode) da SIMS Serveren kommunikerer gennem en SQL bruger.

SIMS Server kræver Windows Server 2012 eller nyere.

SIMS Server kræver SQL Server 2014 eller nyere, både Express, Standard og Enterprise er understøttet.

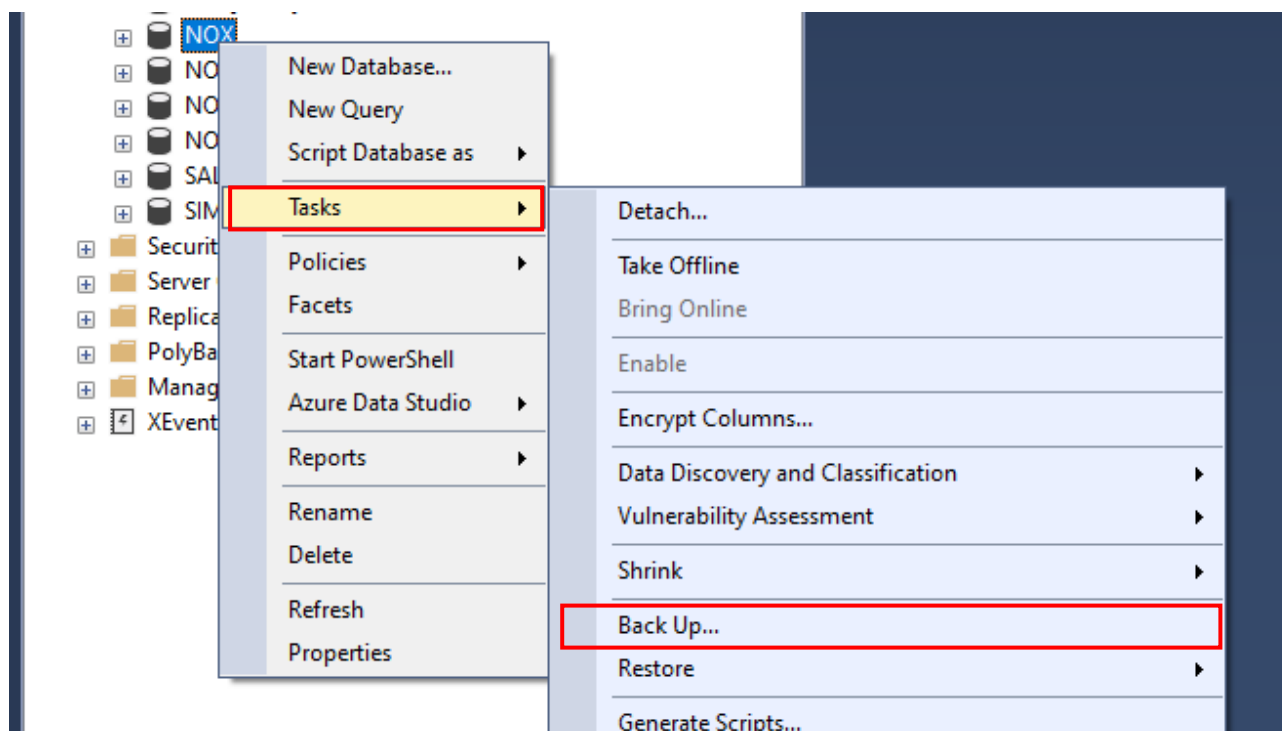
Anbefalet hardware: Intel Core i7 eller XEON, 50 GB HDD, 8 GB RAM, gerne Virtualiseret på VMware, Hyper-V eller lign.

Det er et krav at der er installeret .NET 3.5 og .NET 4.0, samt de seneste Windows opdateringer. SIMS understøtter både 32 bit og 64 bit Windows.

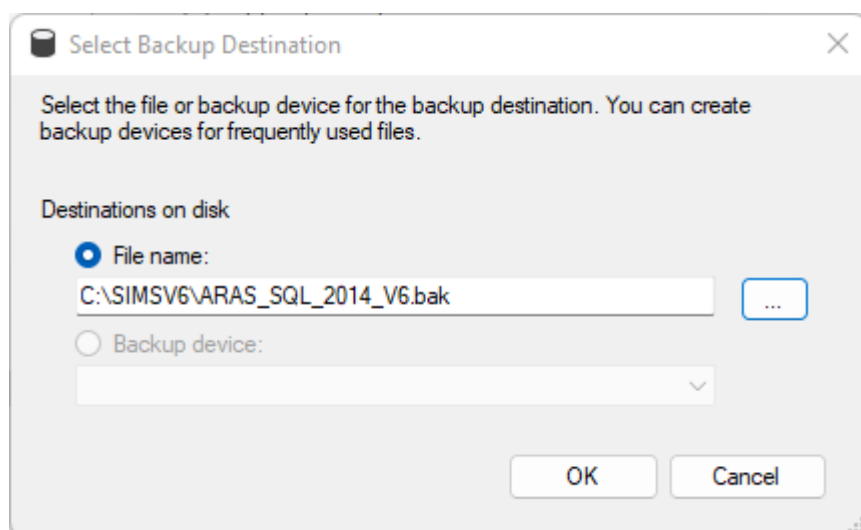
SIMS kan installeres på flere måder, afhængig af om kunden allerede har et SQL miljø, eller ønsker en "standalone" SIMS Server løsning. Vi tager udgangspunkt i at det er en "standalone" løsning i dette eksempel, hvis der allerede findes en SQL Server, skal kundens IT medarbejdere gendanne databasen som beskrevet i dette dokument.

Backup af Database

Start Microsoft SQL Server Management Studio, Højreklik på Databases, og vælg Tasks -> Back Up...

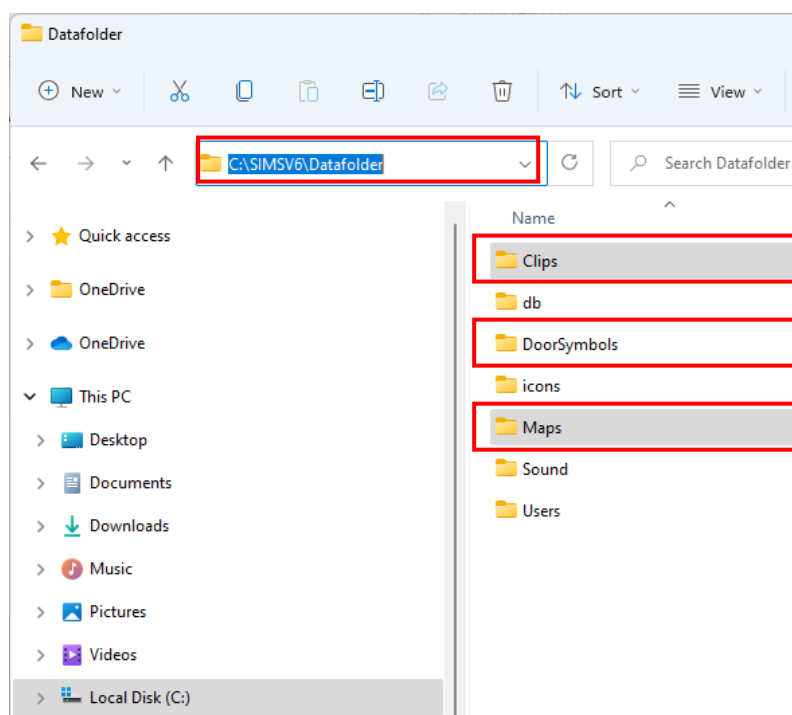


Gem filen, og kopier den til den nye SQL Server



Backup af tegninger og ikoner fra eksisterende SIMS installation

Tag en kopi af følgende mapper for at sikre alle tegninger og ikoner er de samme i den nye installation, som i den gamle, kopier Clips, DoorSymbols og Maps fra SIMSV6 -> Datafolder:



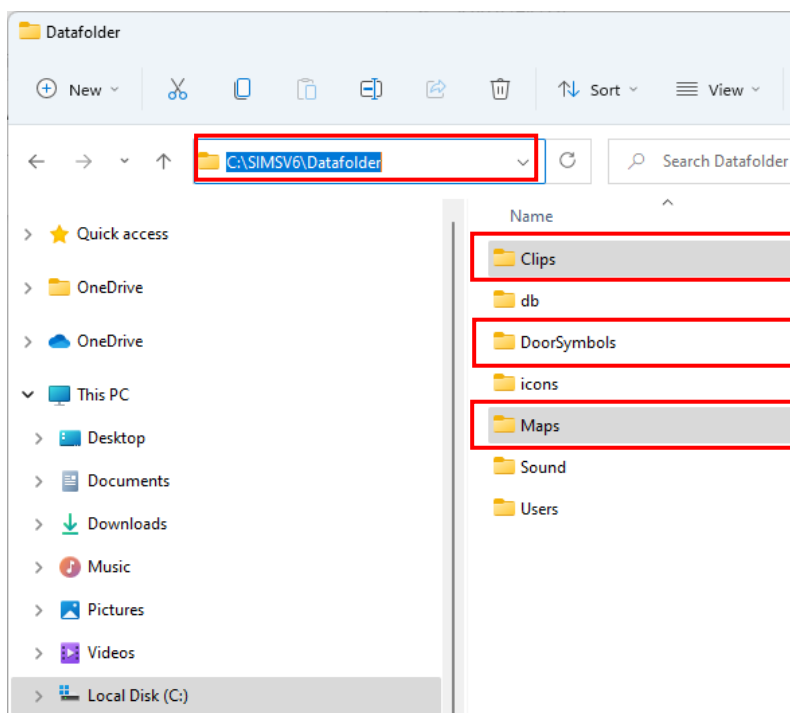
Standard stien for SIMS installation er C:\SIMSV6\

Installation af ny SIMS Server

Start med følgende:

1. Installér SIMS Software (Installer kan hentes på aras.dk)
2. Installér Microsoft SQL Server Express (Skal installeres som Mixed Mode Authentication) eller
3. Gendan databasen på den SQL Server som kunden ønsker at anvende.

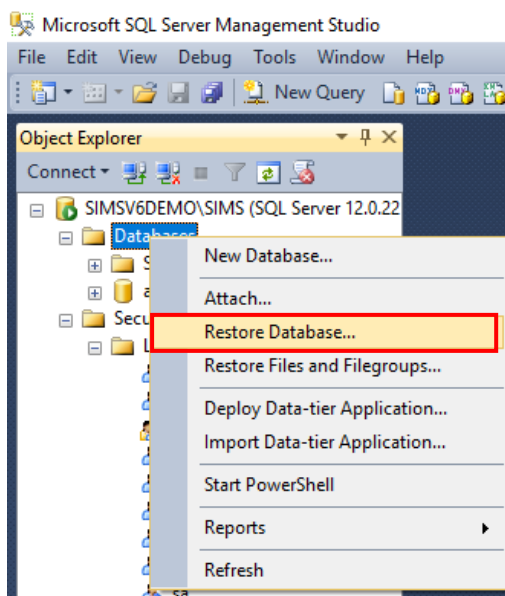
Indsæt følgende mapper i den nye SIMS Server installationsmappe for at sikre alle tegninger og ikoner er de samme i den nye installation, som i den gamle, indsæt Clips, DoorSymbols og Maps til SIMSV6 -> Datafolder:



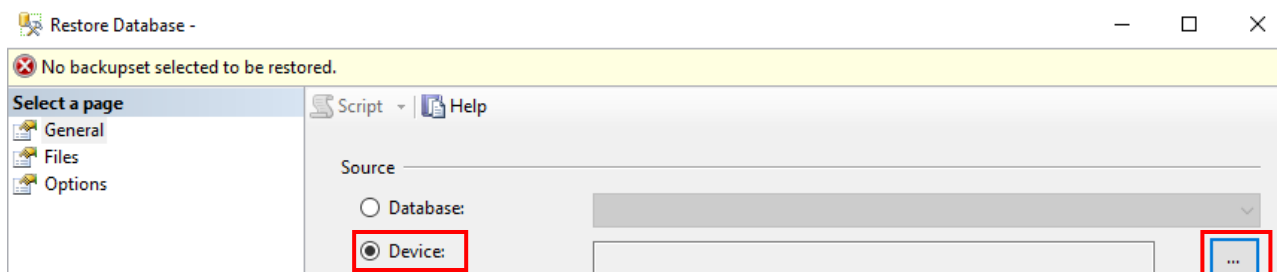
Standardstien for SIMS installation er C:\SIMSV6\

a. Restore af database

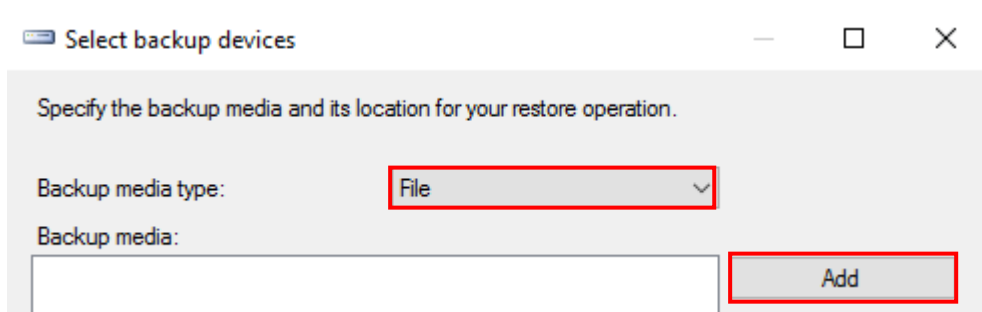
Start Microsoft SQL Server Management Studio, Højreklik på Databases, og vælg Restore database...



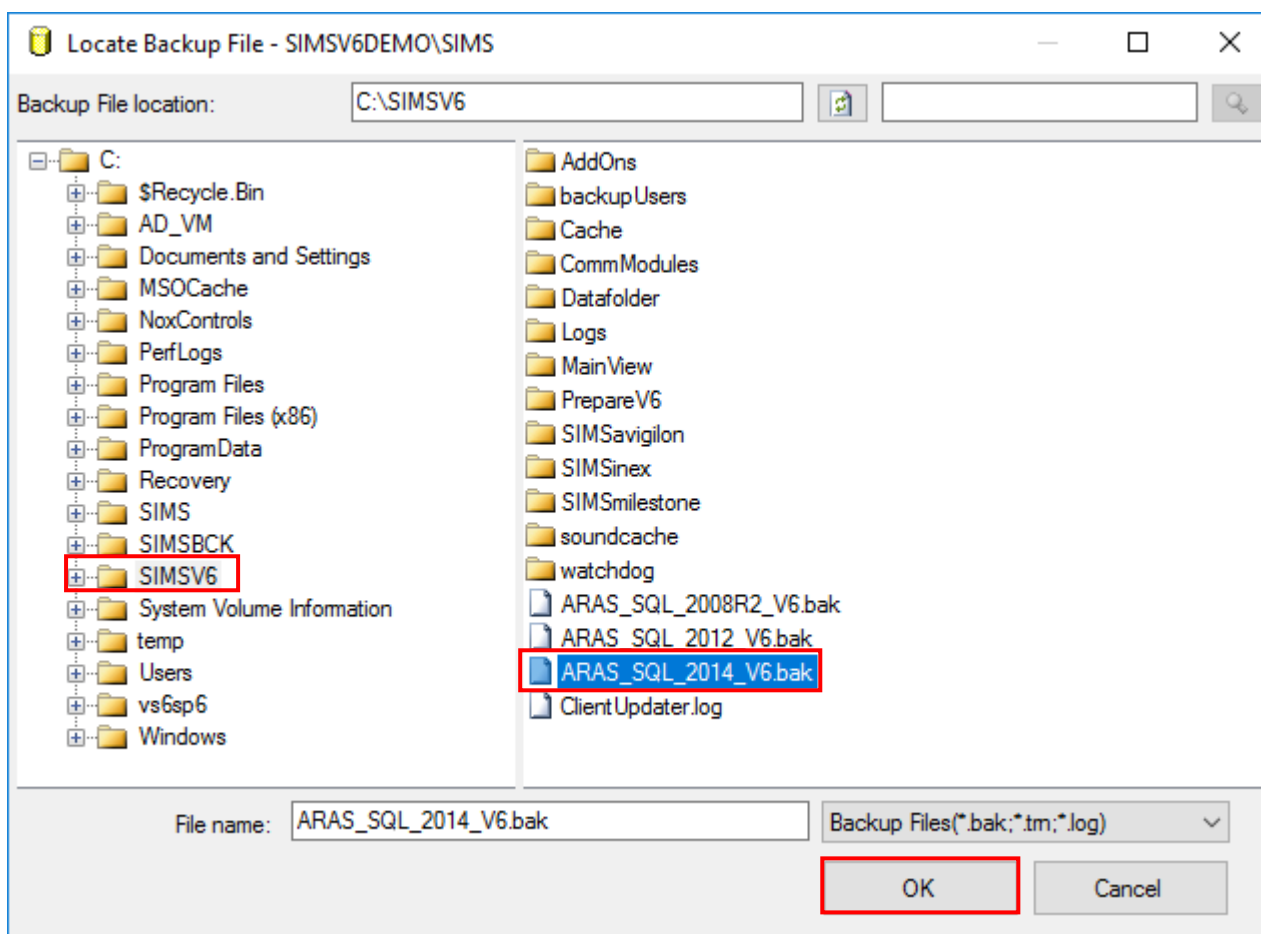
- Vælg Device og klik på "..."



- Vælg "File" i rullemenuen og klik "Add"



- Browse frem til databasefilens placering, markér den, og klik "OK"



Der findes .bak filer til at gendanne ud fra i installationsmappen (C:\SIMSV6)

- Klik "OK"

Specify the backup media and its location for your restore operation.

Backup media type:

Backup media:

C:\SIMSV6\ARAS_SQL_2014_V6.bak

- Klik "OK"

Under Files skal du vælge "Relocate all files to folder" til, således at databasefilerne gemmes der hvor SQL Serveren selv foreslår som standard.

Dette er med til at sikre at backupjobs og øvrige indbygge SQL features er intakt uden at skulle lave egne specielle løsninger.

Ready

Select a page

- General
- Files
- Options

Script Help

Restore database files as

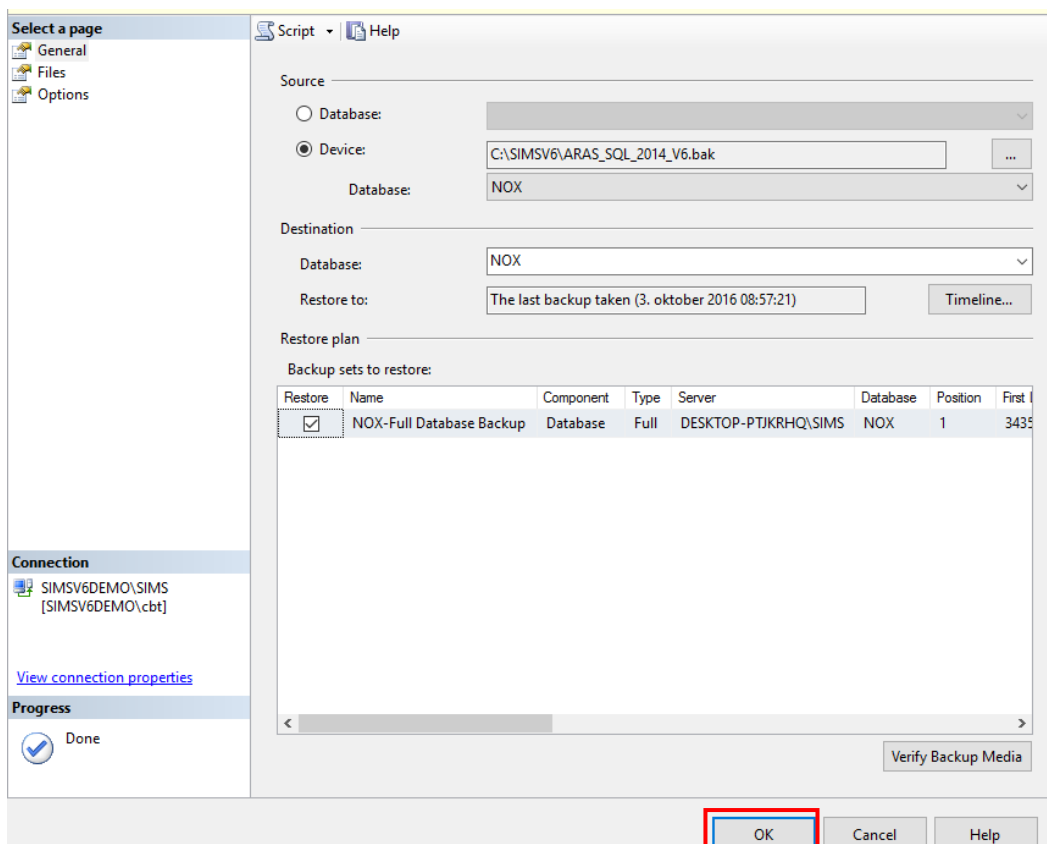
Relocate all files to folder

Data file folder: C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\ ...

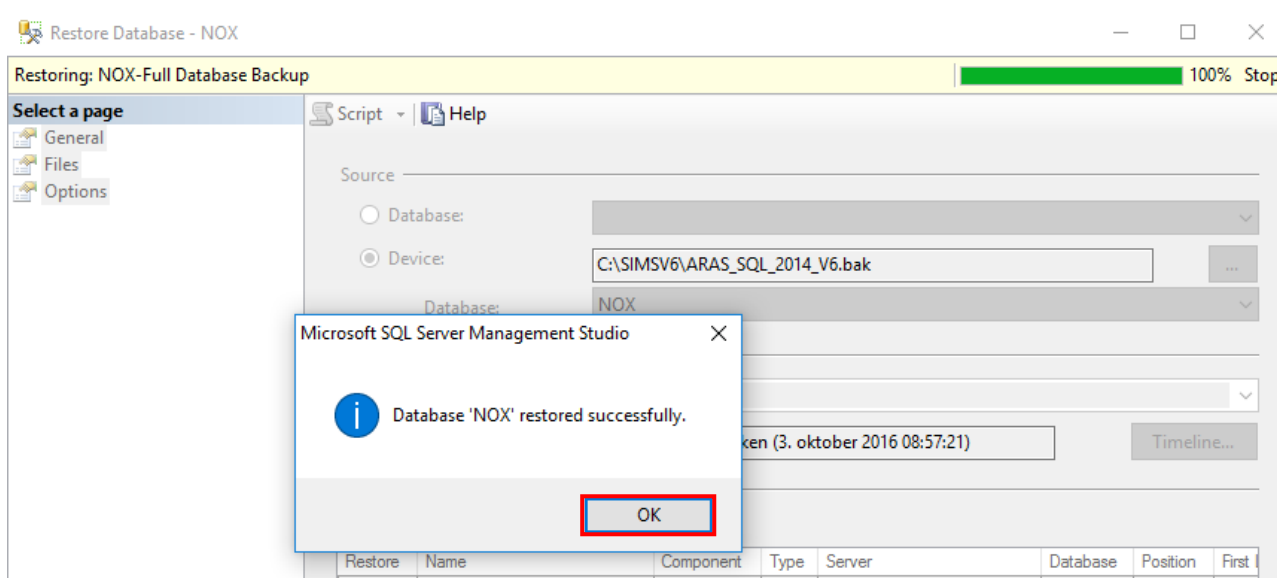
Log file folder: C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS\MSSQL\ ...

| Logical File Name | File Type | Original File Name | Restore As |
|-------------------|-----------|------------------------------------|------------------------------------|
| NOX_Data | Rows Data | C:\Program Files\Microsoft SQL ... | C:\Program Files\Microsoft SQL ... |
| NOX_Log | Log | C:\Program Files\Microsoft SQL ... | C:\Program Files\Microsoft SQL ... |

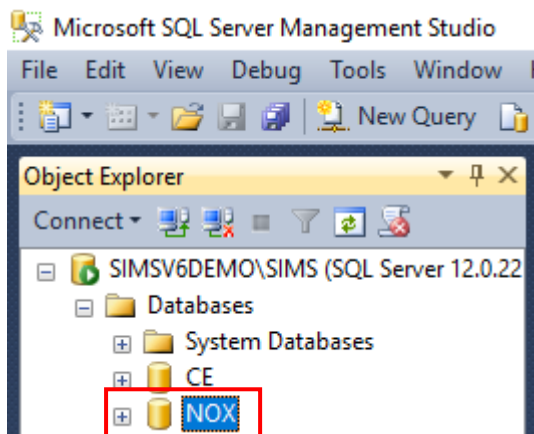
- Klik "OK"



- Klik "OK" på dialogboksen der bekræfter din gendannelse af databasen er udført korrekt

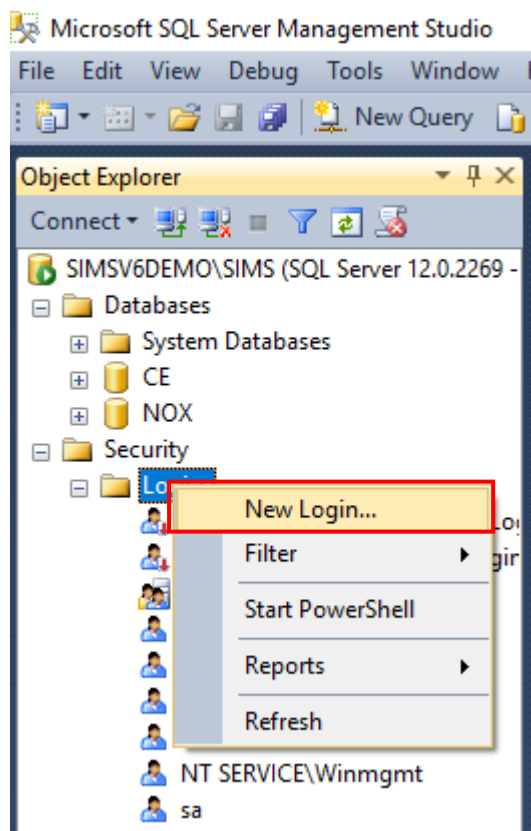


- I oversigten over databaser vises nu også NOX databasen



b. Der skal oprettes en SQL bruger til SIMS

- Åbn "Security" og højreklik på "Logins" og vælg "New Login..."



- Under General, udfyld "Login name" vælg SQL Server authentication, udfyld "Password" samt "Confirm Password"

Login - New

Select a page

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

Script Help

Login name: 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 Add

| Credential | Provider |
|------------|----------|
| | |

Remove

Default database:

Default language:

OK Cancel

Connection

Server: SIMSV6DEMO\SIMS

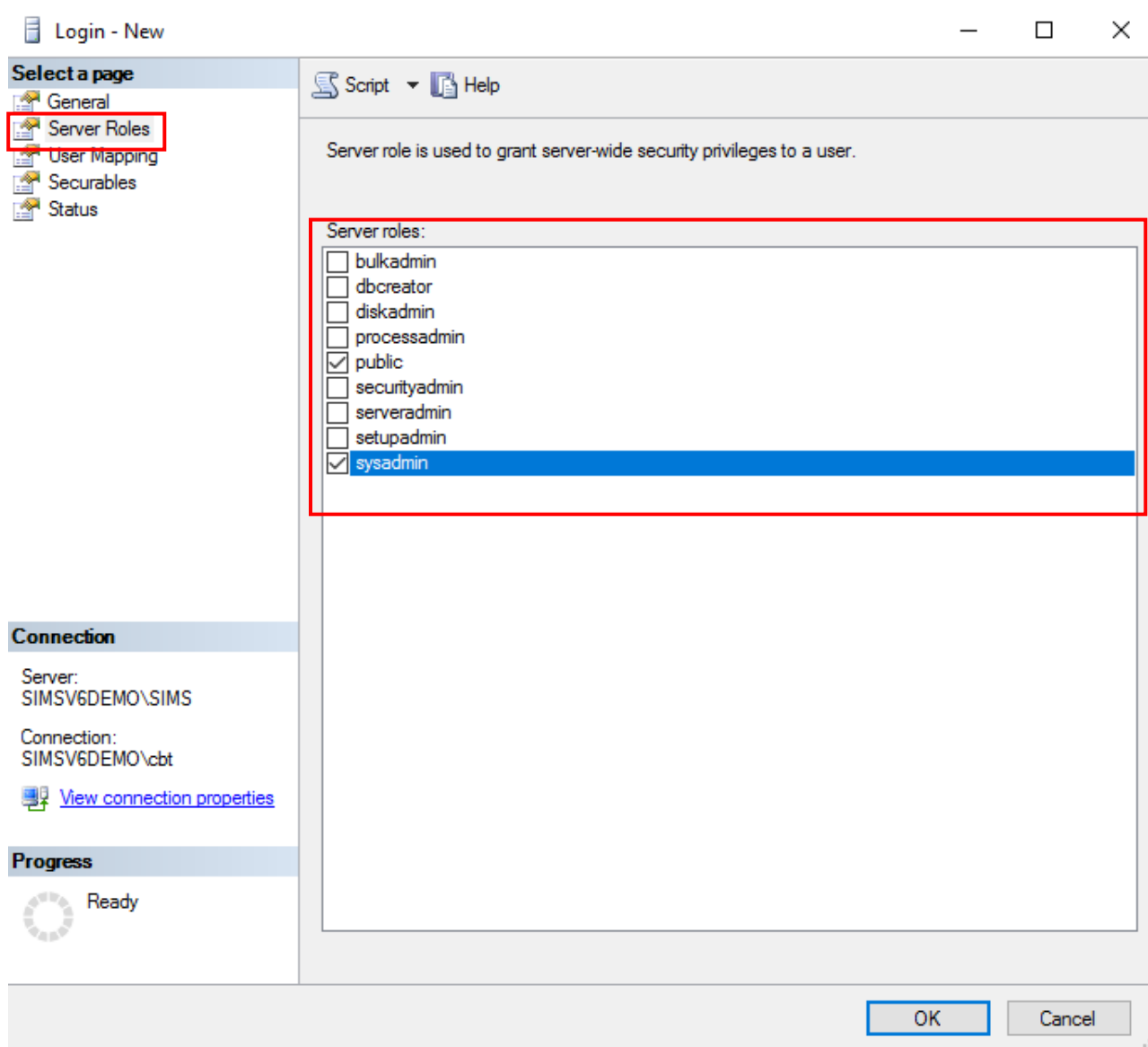
Connection: SIMSV6DEMO\cbt

[View connection properties](#)

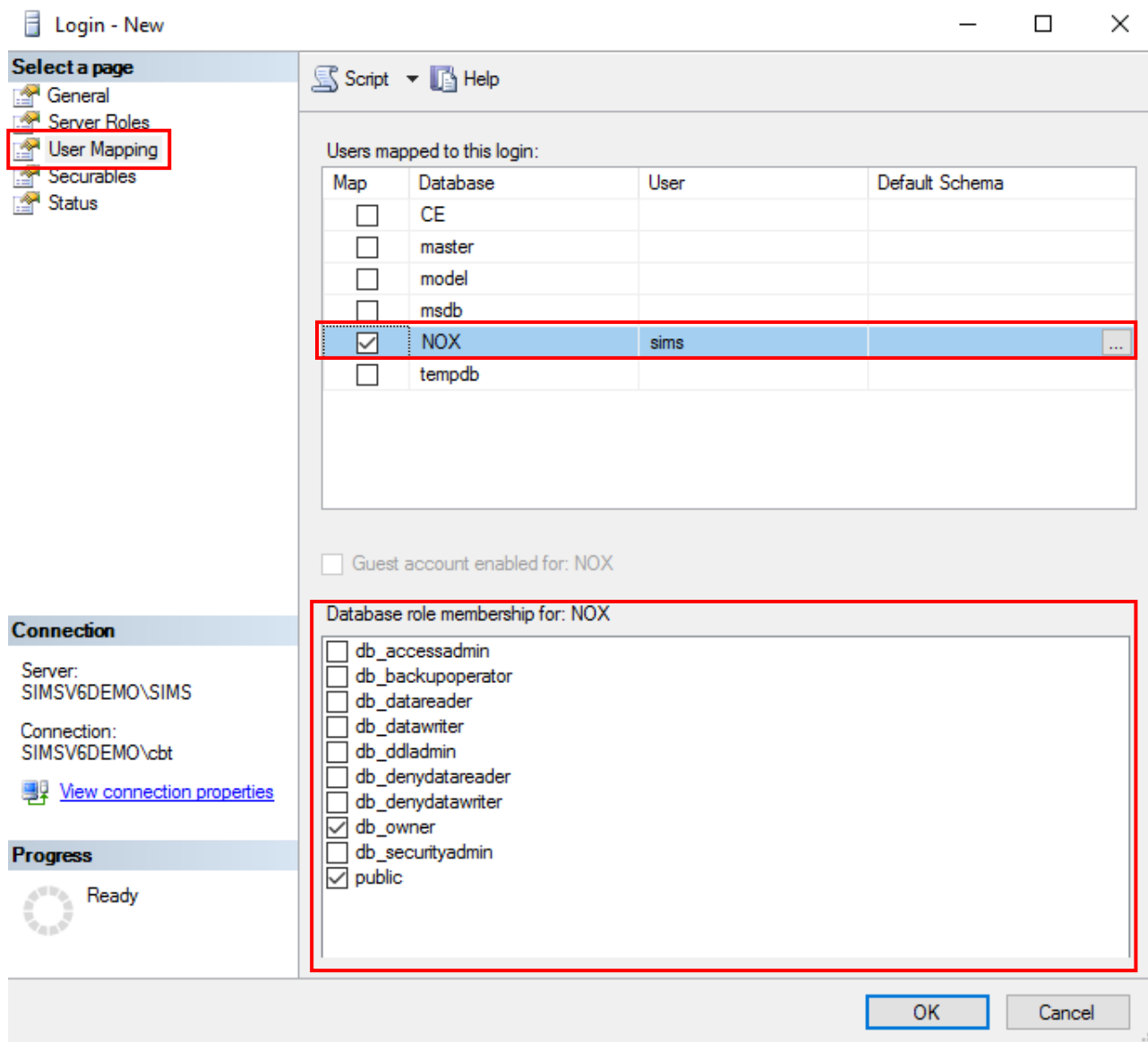
Progress

Ready

- Under Server Roles, sæt som sysadmin (Anbefales kun på standalone løsninger, kan undlades helt hvis det er nødvendigt iht. IT Sikkerheds Politiken)



- Under User Mapping vælg NOX og verificer valg af db_owner er valgt til



c. Installation af SIMS på Windows Server

Det er muligt at installere SIMS på både fysiske og virtuelle Windows, installation af SIMS består i at køre installationsfilen til SIMS og lade installations programmet installere i den foreslåede mappe (C:\SIMSV6) er anbefalet.

d. Konfiguration af SIMS

Først skal der oprettes forbindelse med databasen for opdatering til seneste udgave af SQL parametre vedr. NOX databasen og SIMS.

- Kør SQL Update fra skrivebordet, eller Windows menuen



- Indtast oplysningerne (Servernavn, brugernavn Password) og klik "SQL Database update" når der "done:UPDATE Config SET SQLUpdateUpTo=x" kan vinduet lukkes

SIMS SQL Database Update V6

SQL Server Connection

| | |
|---|--|
| Server Name: <input type="text" value="SIMSV6DEMO\SIMS"/> | Username: <input type="text" value="sims"/> |
| Database Name: <input type="text" value="NOX"/> | Password: <input type="password" value="*****"/> |

Database Functions

Backup

Restore

Rename

SQL Database update

(only work when used on the SQL Server PC)

Info

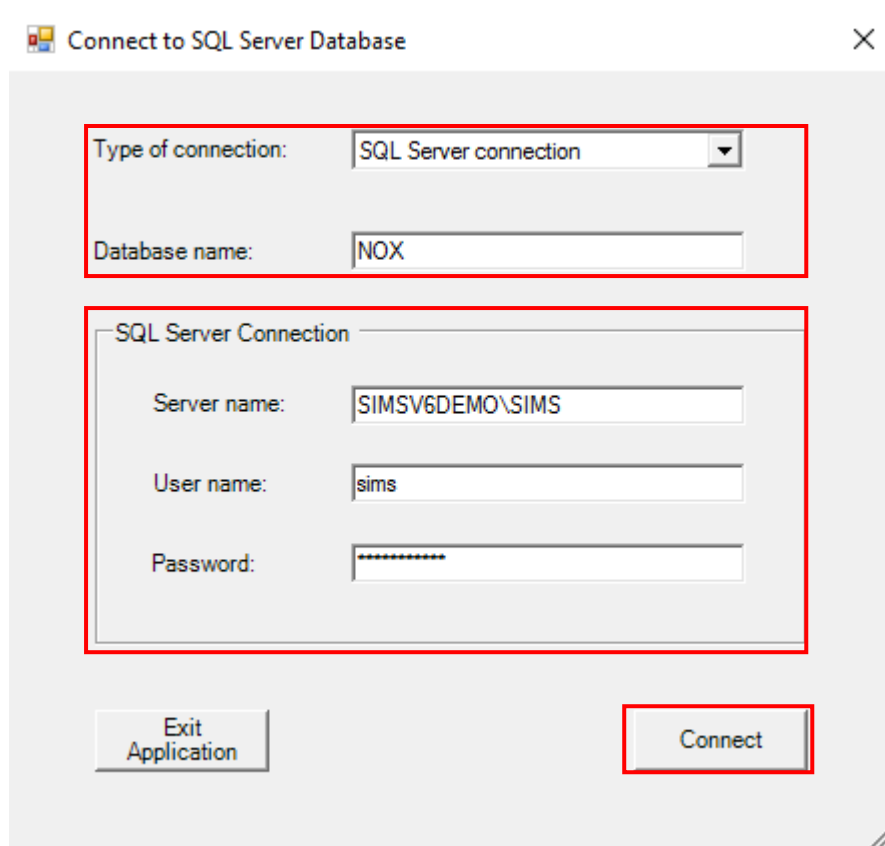
```

done:CREATE INDEX Idx1357 ON [SIMScodesUsers] (Username)
failed:DROP INDEX [SIMScodesUsers].Idx1359
done:CREATE INDEX Idx1359 ON [SIMScodesUsers] (NoxUserCode)
done:EXEC sp_unbinddefault 'SIMScodesUsers.ID'
failed:ALTER TABLE [SIMScodesUsers] DROP COLUMN [ID]
failed:ALTER TABLE [SIMScodesUsers] ADD [ID] int IDENTITY(1,1) CONSTRAINT Nummer78 PRIMARY KEY
done:ALTER TABLE [SIMScodesAutoUpdate] ADD [ProcessedTime] datetime
done:ALTER TABLE [SIMScodesUsers] ADD [Configuration] int
done:ALTER TABLE [SIMScodesUsers] ADD [LoginUsernamePassword] text
done:ALTER TABLE [Level] ADD [SIMScodesSetupFields] bit
done:EXEC sp_unbinddefault 'SIMScodesUsers.NoxAutoCode'
done:EXEC sp_unbinddefault 'SIMScodesAutoUpdate.NoxAutoCode'
done:ALTER TABLE [SIMScodesAutoUpdate] ALTER COLUMN [NoxAutoCode] text
done:CREATE TABLE [SIMScodesUsersAdditionalFieldsDefs] (ID int IDENTITY(1,1) CONSTRAINT Nummer79 PRIMARY KEY, N
done:CREATE TABLE [SIMScodesUsersAdditionalFields] (ID int IDENTITY(1,1) CONSTRAINT Nummer80 PRIMARY KEY, UserI
done:DROP INDEX SIMScodesUsers.Idx1269
failed:DROP INDEX SIMScodesUsers.IX_SIMScodesUsers_3
done:ALTER TABLE [SIMScodesUsers] ALTER COLUMN [NoxAutoCode] text
done:UPDATE Config SET SQLUpdateUpTo=1393
                    
```

- Kør SIMS Config fra skrivebordet, eller Windows menuen



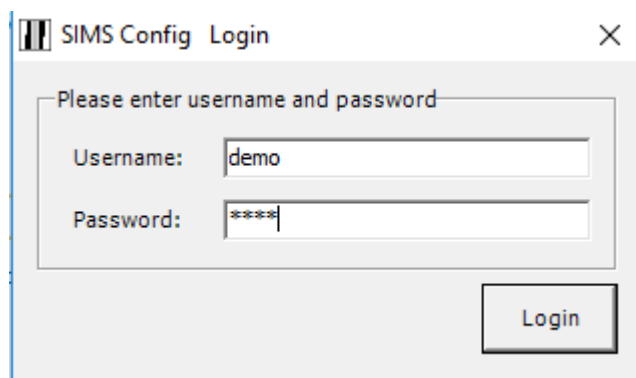
- Vælg SQL Server connection og udfyld Database name, samt SQL Server Connection parametre og tryk Connect



The screenshot shows a dialog box titled "Connect to SQL Server Database". It contains the following fields and controls:

- Type of connection:** A dropdown menu set to "SQL Server connection".
- Database name:** A text input field containing "NOX".
- SQL Server Connection section:**
 - Server name:** A text input field containing "SIMSV6DEMO\SIMS".
 - User name:** A text input field containing "sims".
 - Password:** A text input field with masked characters (dots).
- Buttons:** "Exit Application" and "Connect".

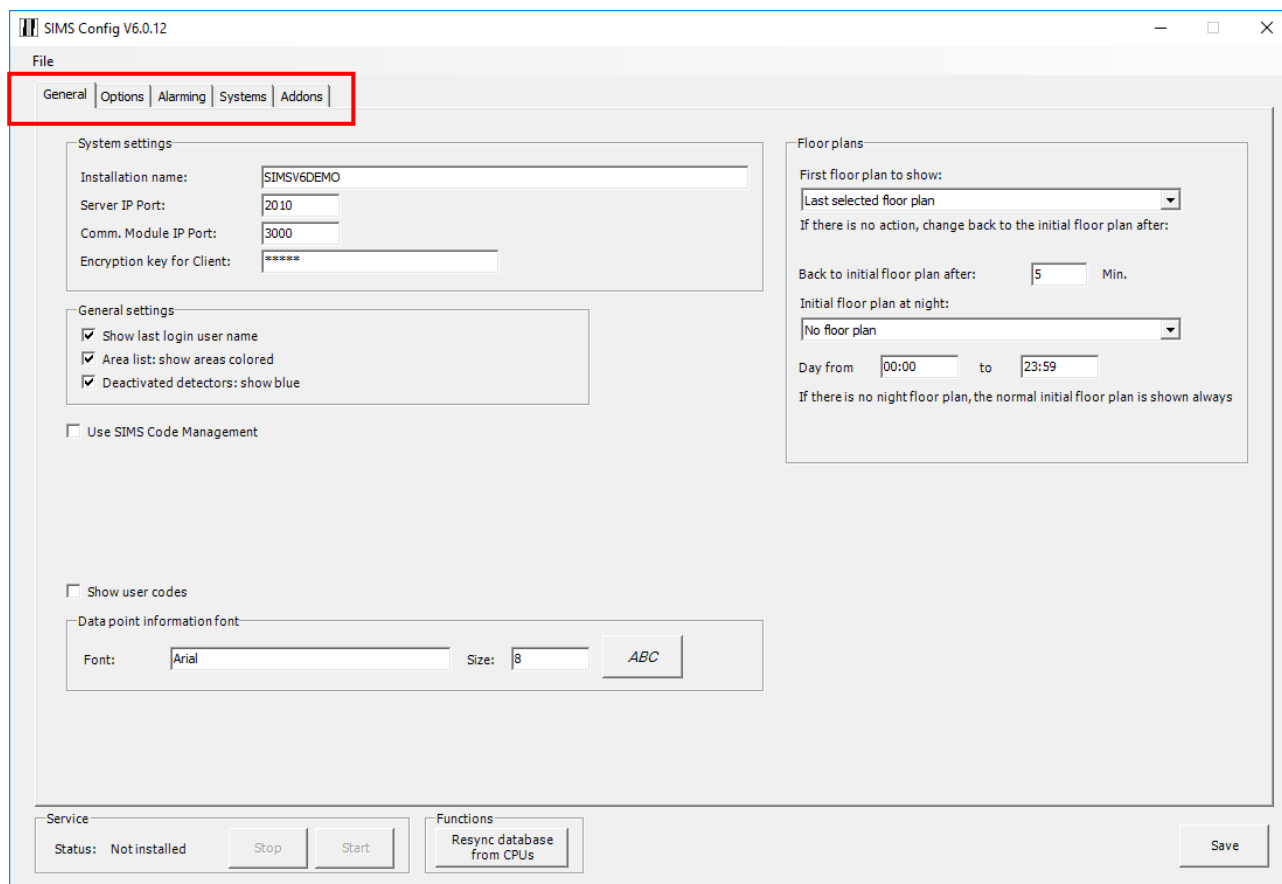
- Log ind med brugernavn og kode (samme som i den gamle SIMS installation)



The screenshot shows a dialog box titled "SIMS Config Login". It contains the following fields and controls:

- Please enter username and password:** A section header.
- Username:** A text input field containing "demo".
- Password:** A text input field with masked characters (dots).
- Button:** "Login".

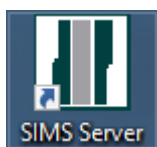
- Re-Konfigurér SIMS efter eget ønske



The screenshot shows the SIMS Config V6.0.12 application window. The 'General' tab is selected and highlighted with a red box. The interface is divided into several sections:

- System settings:** Includes fields for 'Installation name' (SIMSV6DEMO), 'Server IP Port' (2010), 'Comm. Module IP Port' (3000), and 'Encryption key for Client' (*****).
- General settings:** Contains three checked checkboxes: 'Show last login user name', 'Area list: show areas colored', and 'Deactivated detectors: show blue'. There is also an unchecked checkbox for 'Use SIMS Code Management'.
- Data point information font:** A section with 'Show user codes' unchecked, and a font configuration area showing 'Font: Arial', 'Size: 8', and a preview 'ABC'.
- Floor plans:** A section on the right with a dropdown for 'First floor plan to show' (Last selected floor plan), a note 'If there is no action, change back to the initial floor plan after:', a 'Back to initial floor plan after:' field set to '5 Min.', and a dropdown for 'Initial floor plan at night' (No floor plan). It also includes a time range 'Day from 00:00 to 23:59' and a note: 'If there is no night floor plan, the normal initial floor plan is shown always'.
- Service:** At the bottom left, showing 'Status: Not installed' and buttons for 'Stop' and 'Start'.
- Functions:** At the bottom center, with a button for 'Resync database from CPUs'.
- Save:** A 'Save' button at the bottom right.

- Du kan nu starte SIMS Server fra skrivebordet, eller Windows menuen



- Når SIMS Server er startet, vises infovinduet

SIMS Server V6.0.37 (c) 1999-2016 by NOX SYSTEMS AG, Vaduz

Status of database NOX

Systemstart: 10.02.2017 14:49:29
 Input state changes per Minute: 0
 License file date: 10.02.2017 08:30:09

Alarms

| System | Date/Time | Area | Input |
|--------|-----------|------|-------|
| | | | |

Problems

| Problems |
|----------|
| |

AddOns

| No. | Type | Connected |
|-----|------|-----------|
| | | |

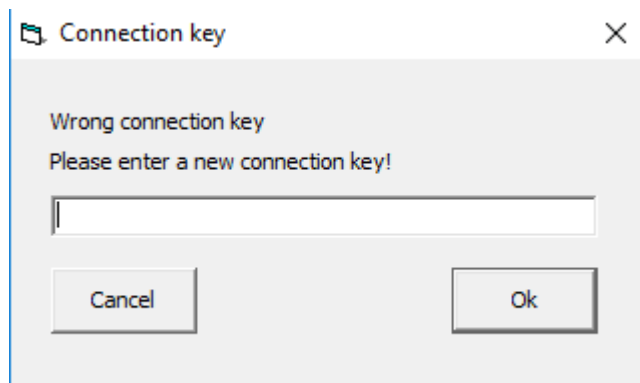
Clients

| No. | IP Address | Username |
|-----|------------|----------|
| | | |

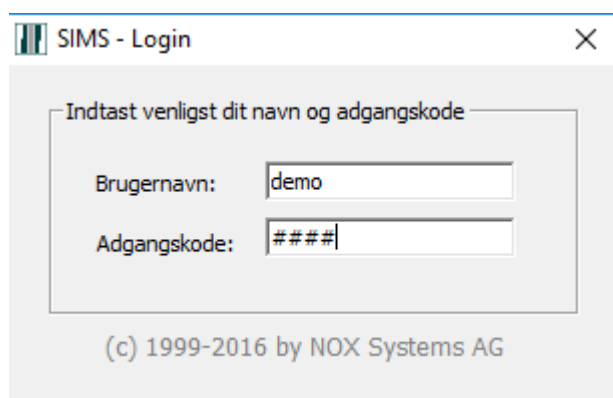
Systems

| No. | Type | Name | IP Address | Connection | Login | Areas | Inputs | Outputs | Time | Version | Users | License |
|-----|------|------|---------------|------------|-------|--------|--------|---------|------|-----------|-------|--------------------|
| 1 | NOX | NOX | 192.168.1.238 | Ok | Ok | Ok: 11 | Ok:25 | Ok:11 | - | V9,84 SL2 | 2 | Valid SIMS License |

- Når SIMS Klient startes første gang skal der indtastes den Encryption key der er valgt i SIMS Config. (samme som i den gamle SIMS installation)



- Du skal nu starte SIMS Client fra skrivebordet, eller Windows menuen, log ind med brugernavn og kode (samme som i den gamle SIMS installation)



- Du har nu gendannet din SIMS installation på en ny server.

