

SIMS V6 Installation

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

SIMS kan installeres på Windows 7/10 samt Windows Server 2008 eller nyere, samt kræver SQL Server 2008 til 2014, 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.

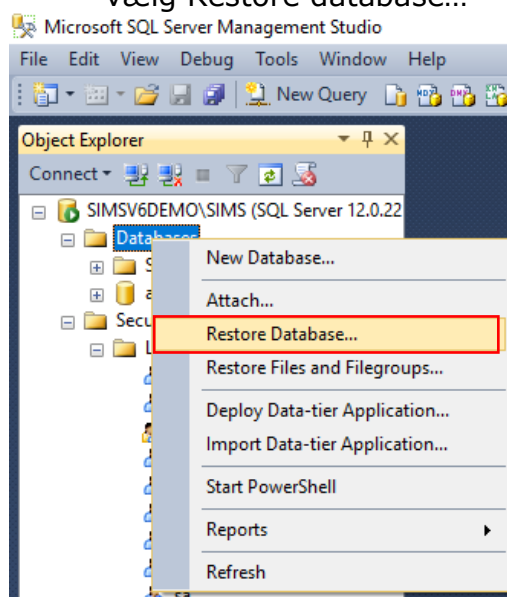
Det er et krav at der er installeret .NET 3.5 og .NET 4.0, samt de seneste Windows opdateringer. SIMS understøtter både 32 bit og 64 bit Windows.

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 folk følge punkterne vedr. Restore database i dette dokument.

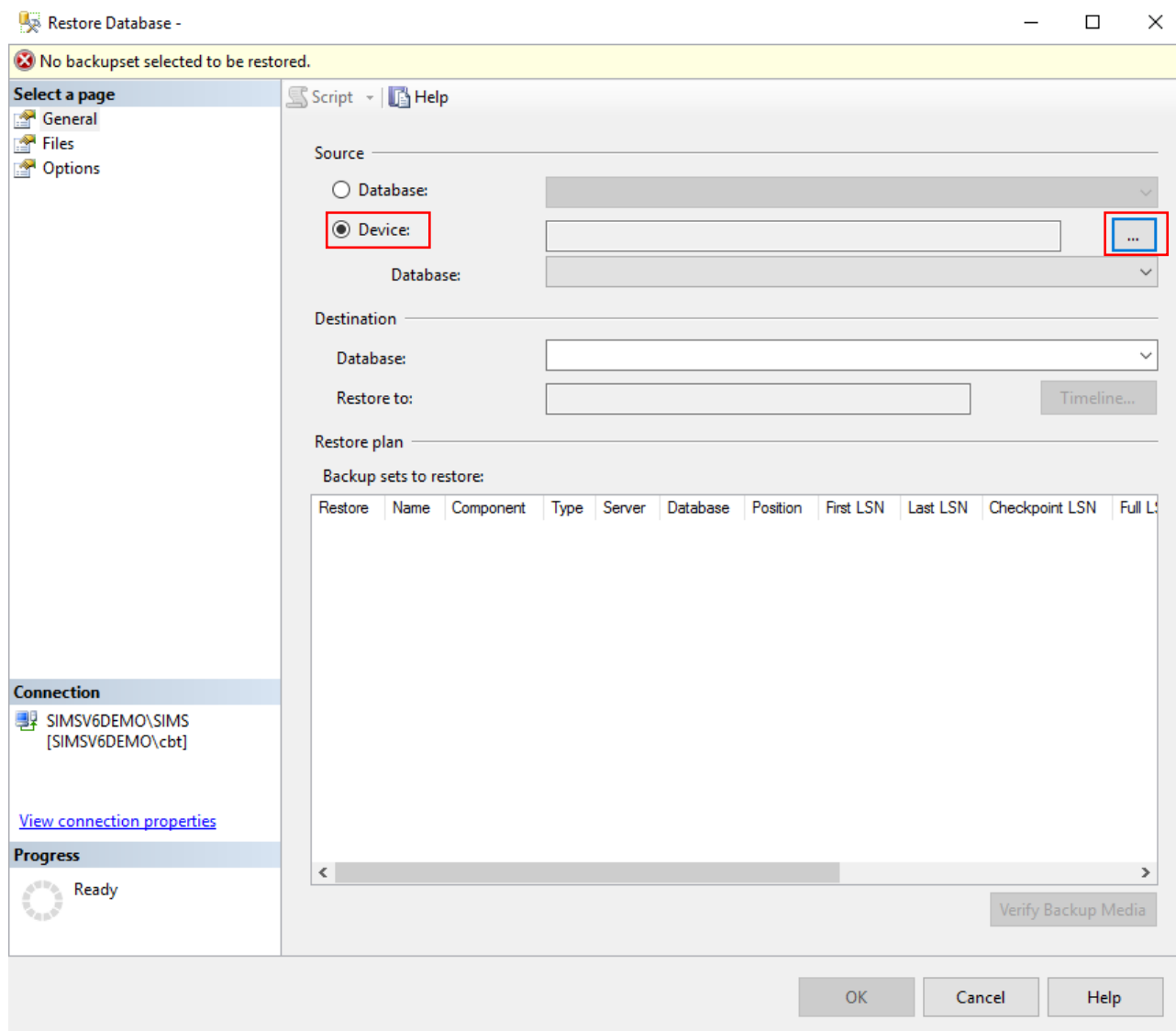
1. Installér SIMS Software (Installer kan hentes på aras.dk)
2. Installér Microsoft SQL Server Express (Skal installeres som Mixed Mode Authentication)

a. Restore den database der passer, på kundens SQL Server

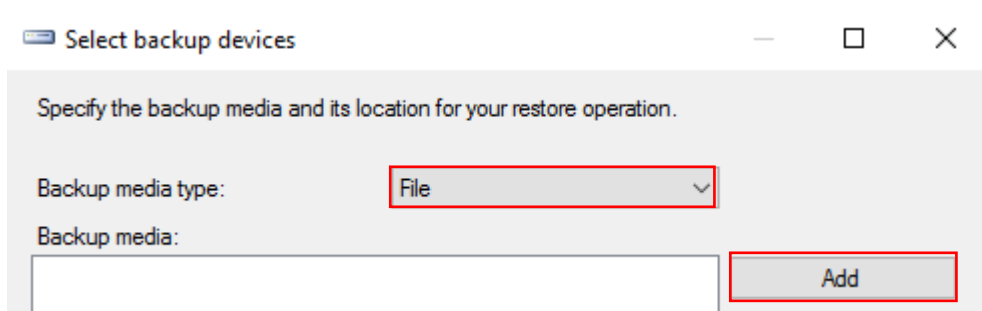
- Start Microsoft SQL Server Management Studio, Højreklik på Databases, og vælg Restore database...



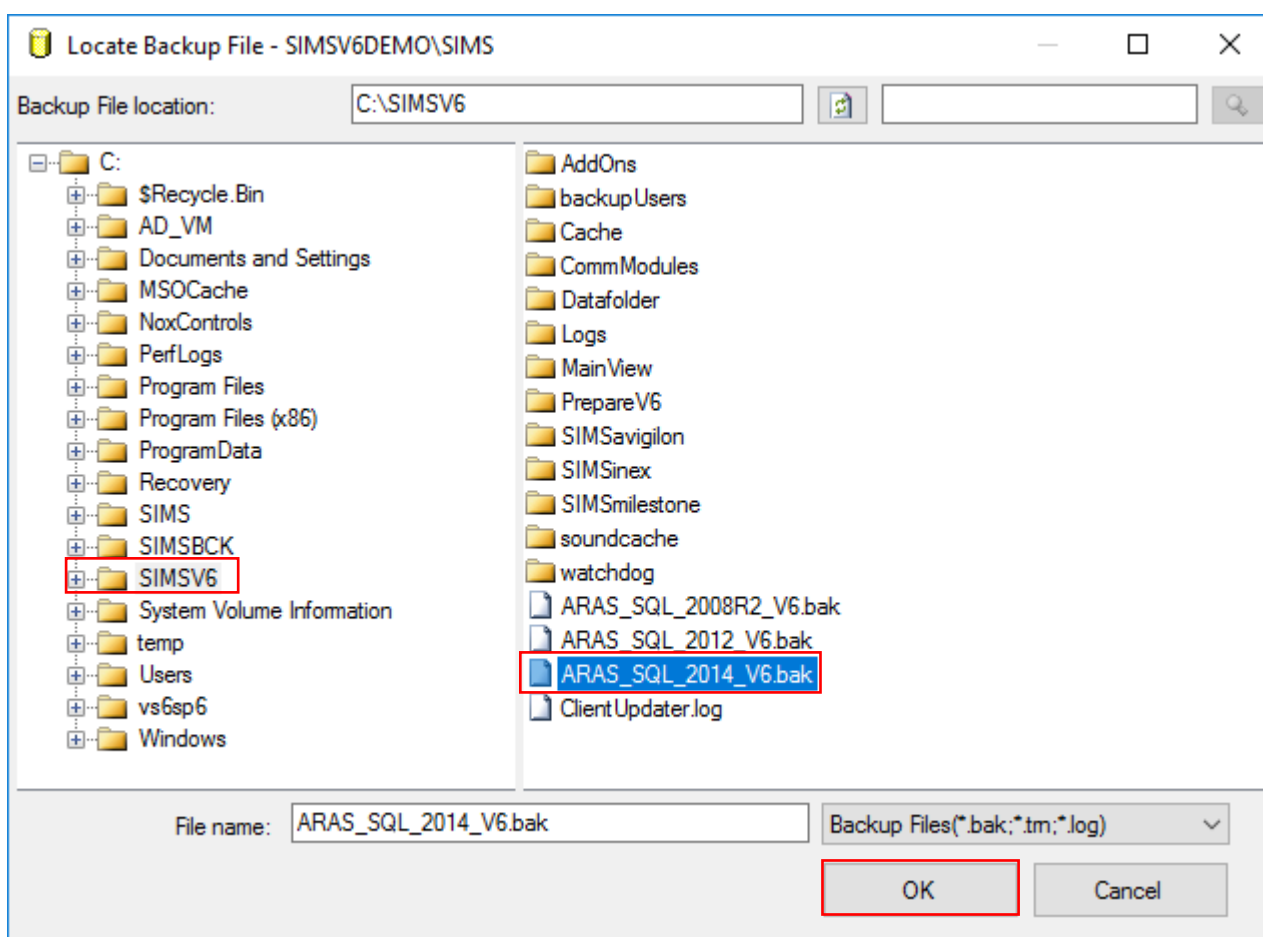
- Vælg Device og klik på "..."



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

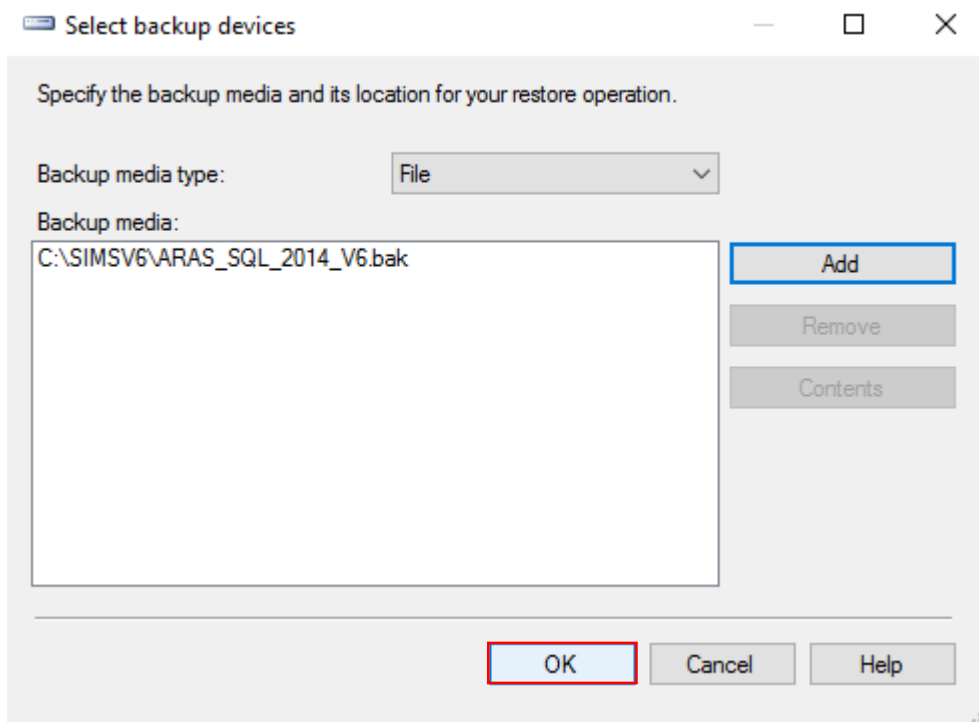


- Browse frem til databasefilens placering, markér den, og klik "OK"

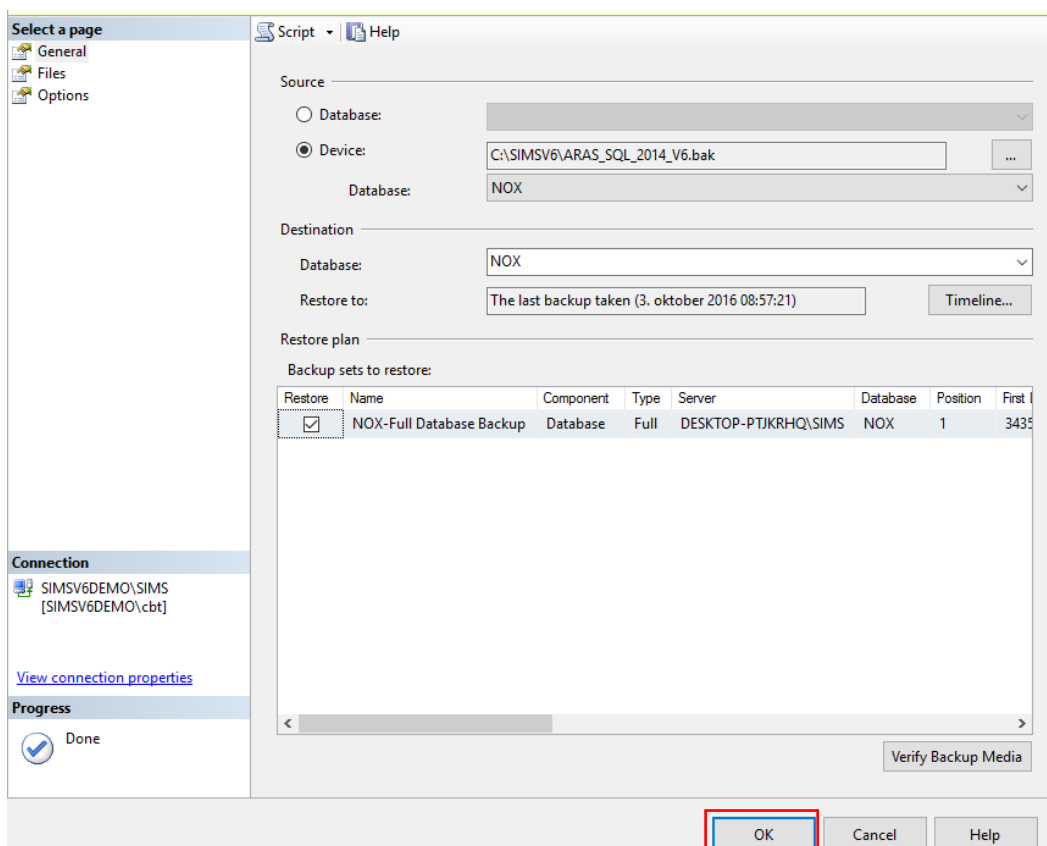


Der findes .bak filer til at gendanne ud fra i installationsmappen (C:\SIMSV6)

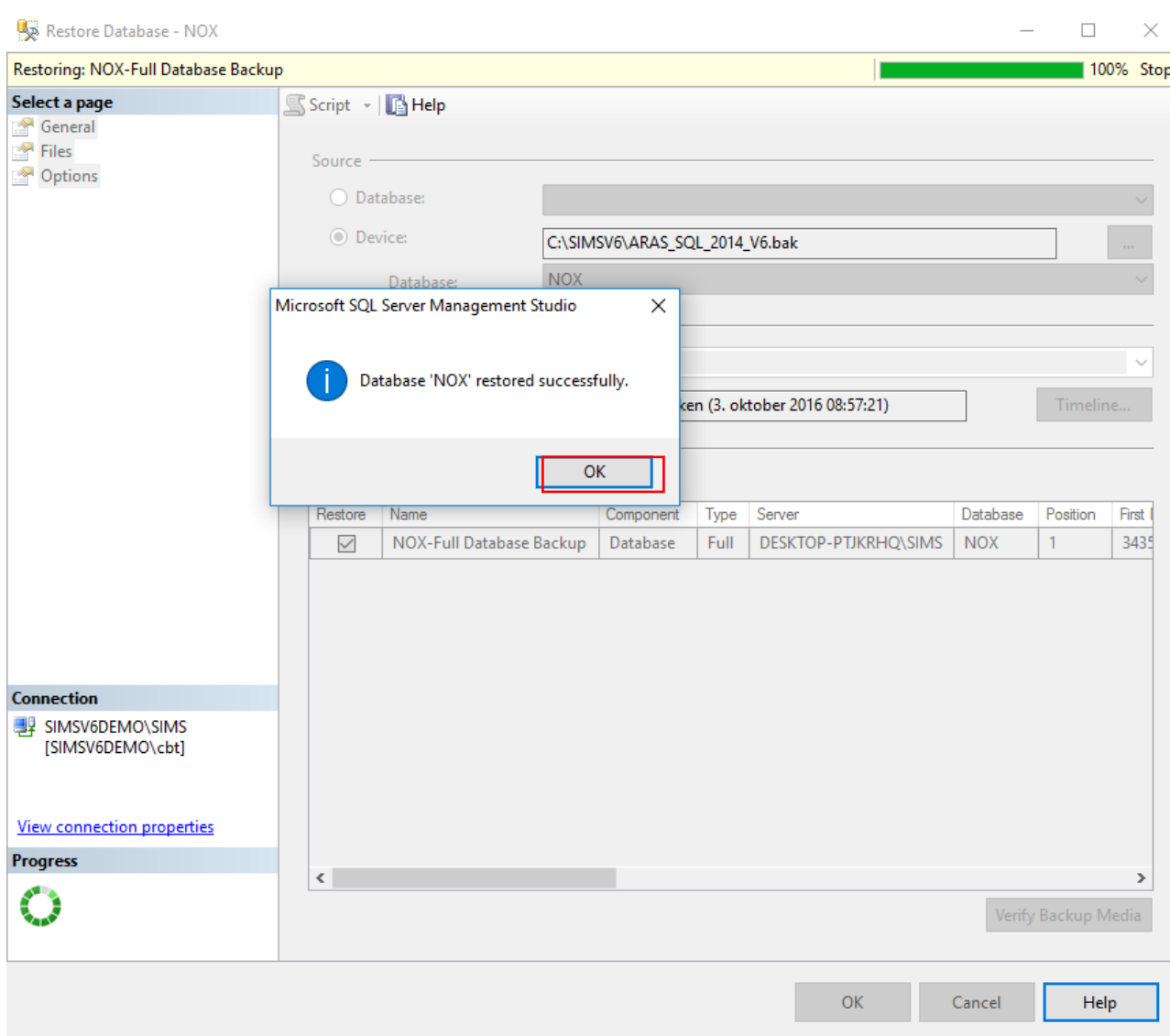
- Klik "OK"



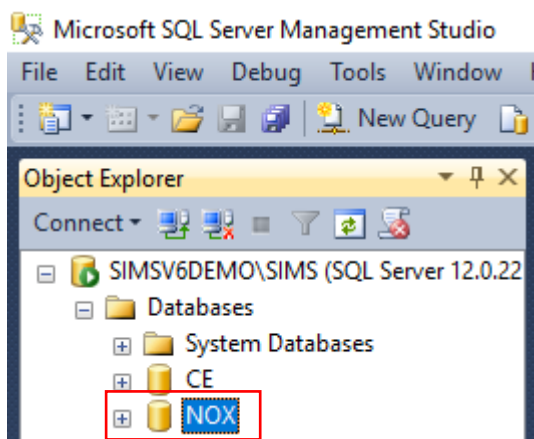
- Klik "OK"



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

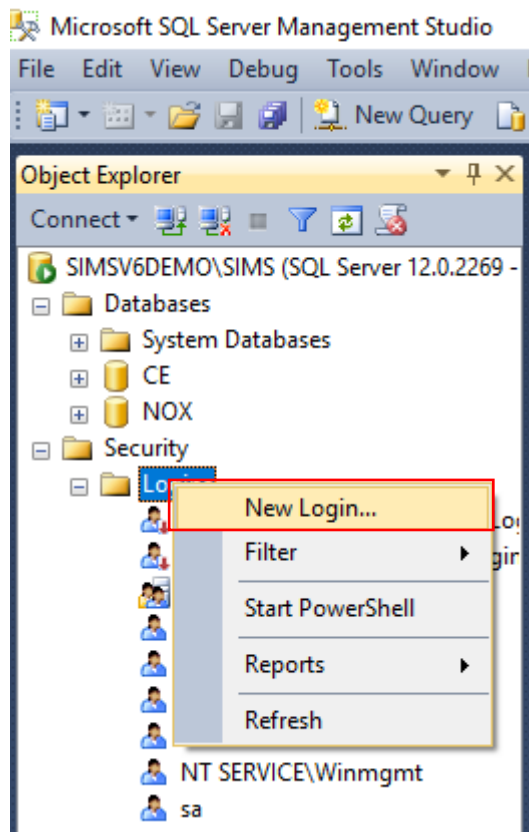


- I oversigten over databaser vises nu også NOX databasen

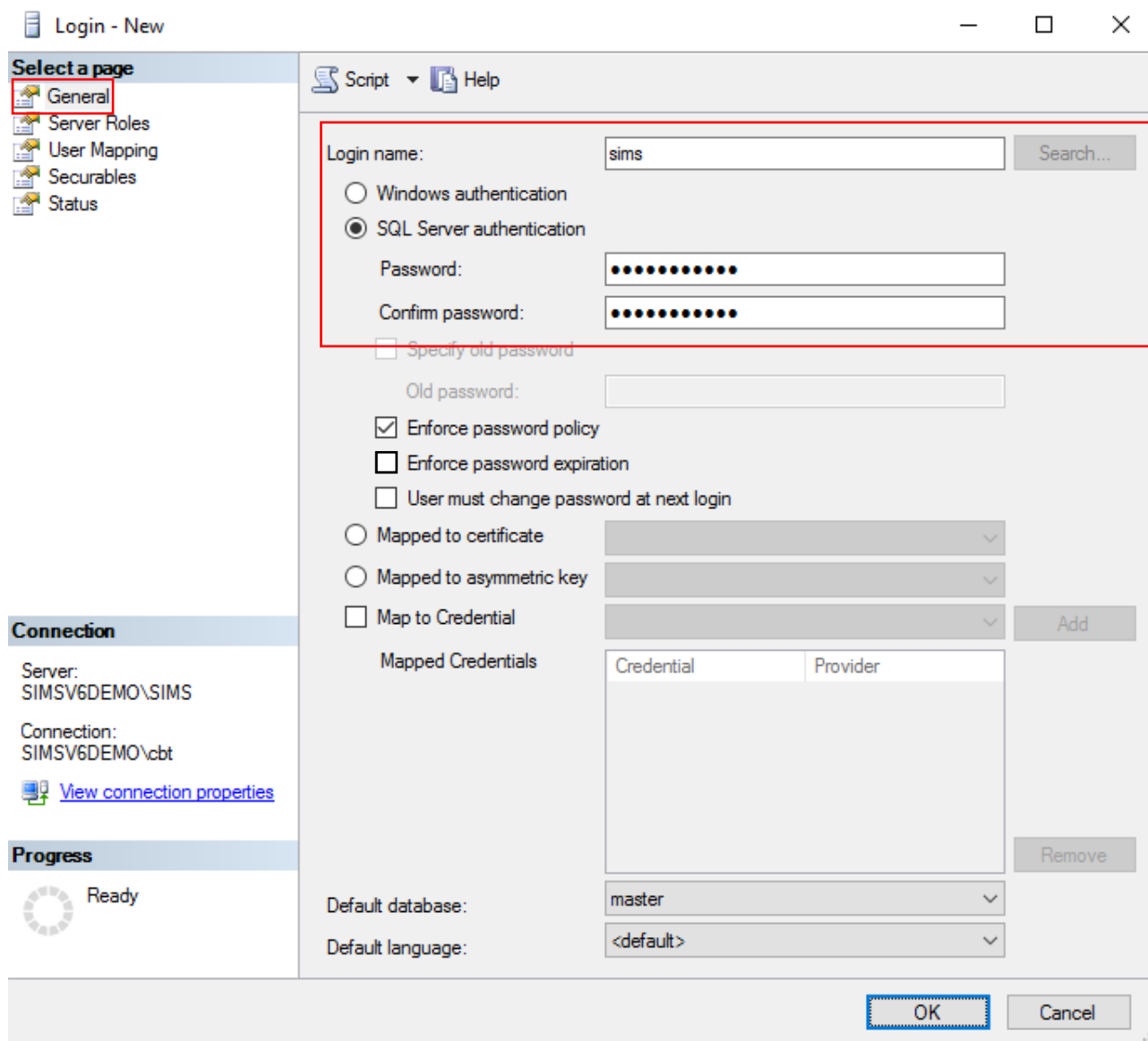


b. Der skal oprettes en SQL bruger til SIMS

- 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: sims 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

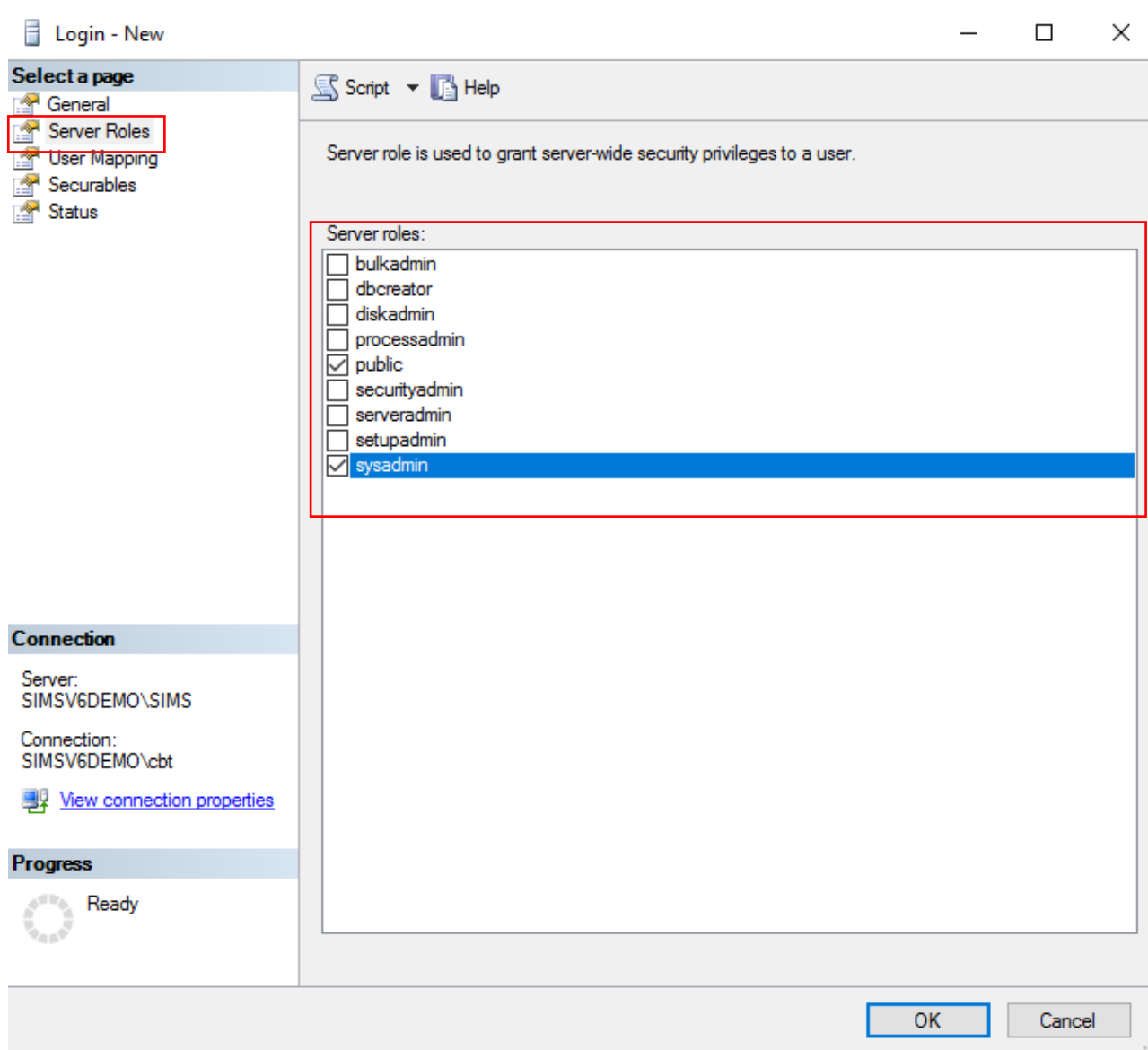
Credential	Provider
------------	----------

Default database: master

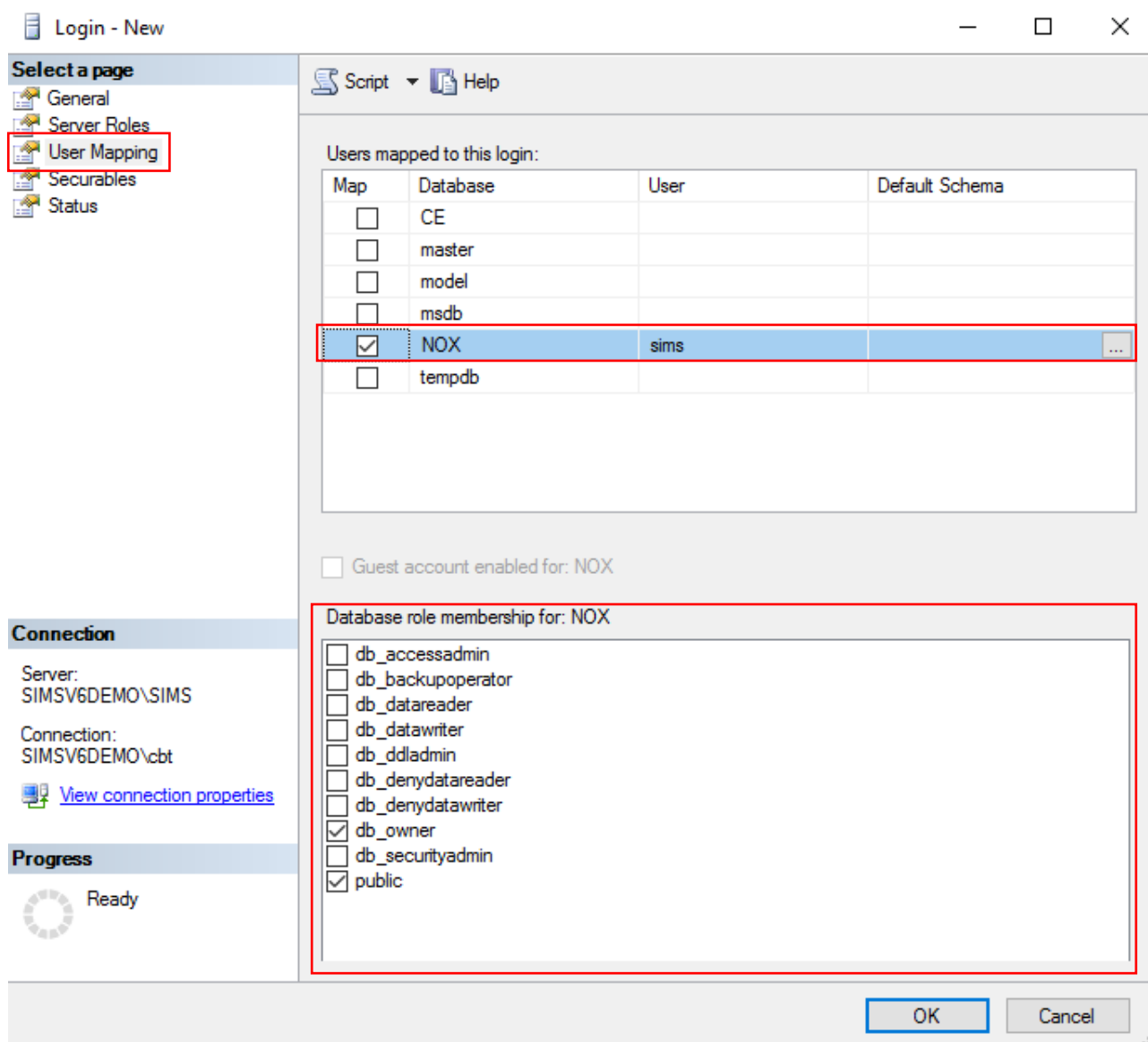
Default language: <default>

OK Cancel

- 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 sat



Login - New

Select a page

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

Script Help

Users mapped to this login:

Map	Database	User	Default Schema
<input type="checkbox"/>	CE		
<input type="checkbox"/>	master		
<input type="checkbox"/>	model		
<input type="checkbox"/>	msdb		
<input checked="" type="checkbox"/>	NOX	sims	...
<input type="checkbox"/>	tempdb		

Guest account enabled for: NOX

Database role membership for: NOX

- db_accessadmin
- db_backupoperator
- db_datareader
- db_datawriter
- db_ddladmin
- db_denydatareader
- db_denydatawriter
- db_owner
- db_securityadmin
- public

OK Cancel

Connection

Server: SIMSV6DEMO\SIMS

Connection: SIMSV6DEMO\cvt

[View connection properties](#)

Progress

Ready

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: Username:

Database Name: Password:

Database Functions

(only work when used on the SQL Server PC)

Info

```

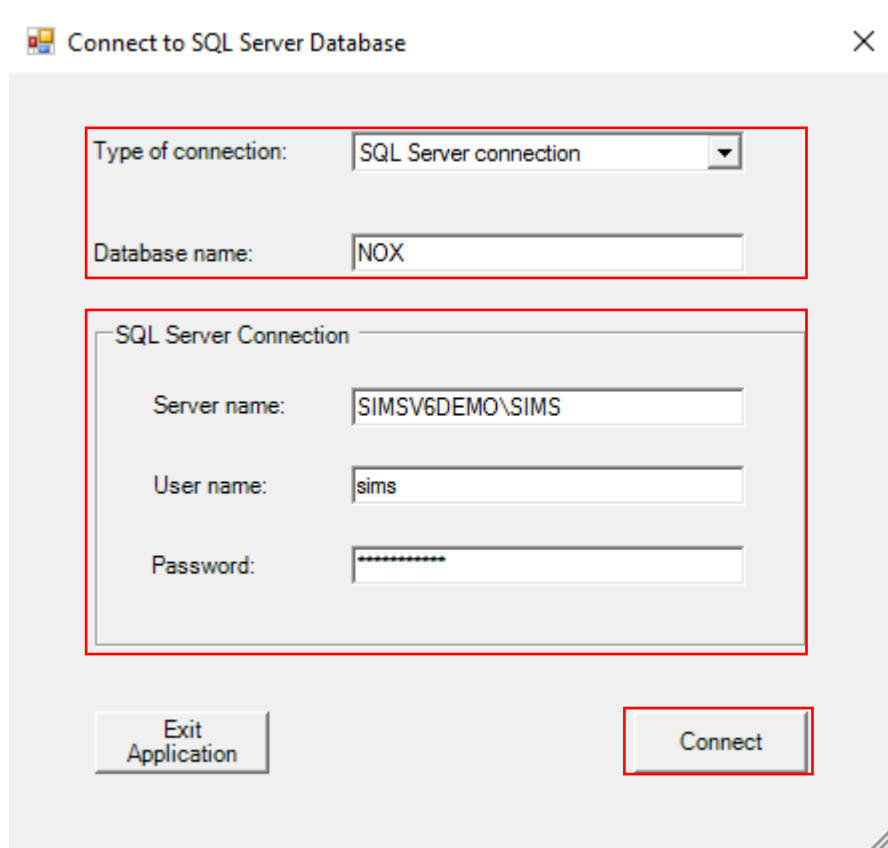
done:CREATE INDEX Idx1357 ON [SIMScodesUsers] (Username)
failed:DROP INDEX [SIMScodesUsers].Idx1359
done:CREATE INDEX Idx1359 ON [SIMScodesUsers] (NoxUserCode)
done:EXEC sp_unbindefault 'SIMScodesUsers.ID'
failed:ALTER TABLE [SIMScodesUsers] DROP COLUMN [ID]
failed:ALTER TABLE [SIMScodesUsers] ADD [ID] 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_unbindefault 'SIMScodesUsers.NoxAutoCode'
done:EXEC sp_unbindefault 'SIMScodesAutoUpdate.NoxAutoCode'
done:ALTER TABLE [SIMScodesAutoUpdate] ALTER COLUMN [NoxAutoCode] text
done:CREATE TABLE [SIMScodesUsersAdditionalFields] (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



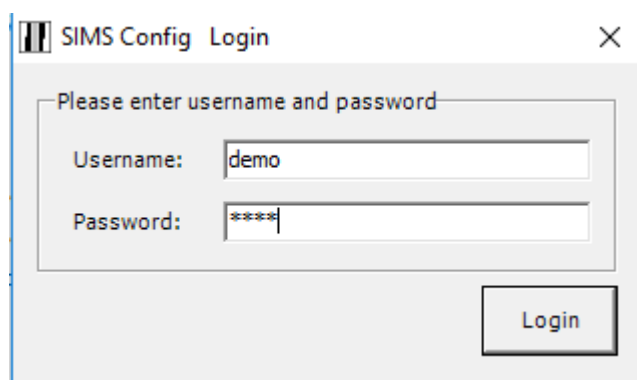
- Vælg SQL Server connection og udfyld Database name, samt SQL Server Connection parametre og tryk Connect



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

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

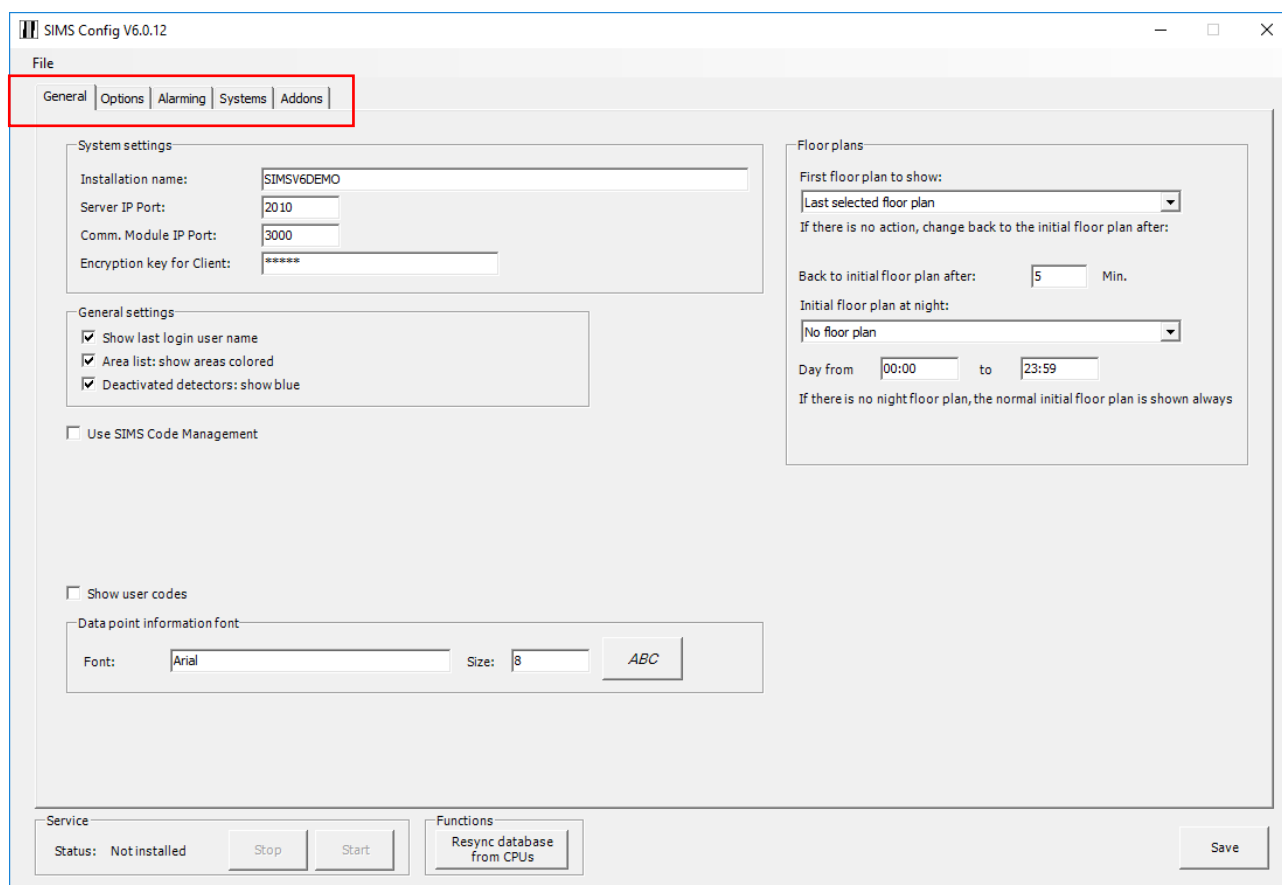
- Log ind med brugernavn "demo" og kode "demo" (uden gåseøjne)



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

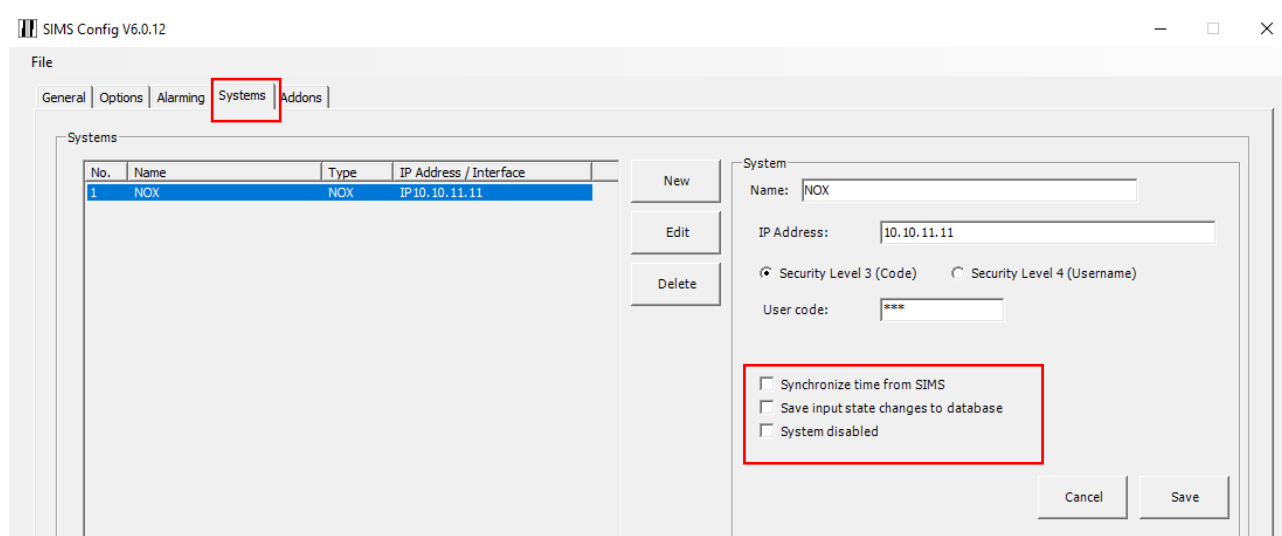
- Please enter username and password** section:
 - Username:** A text box containing "demo".
 - Password:** A text box with masked characters (dots).
- Login** button (bottom right).

- Konfigurer SIMS efter eget ønske



The screenshot shows the 'General' tab of the SIMS Config V6.0.12 application. The 'System settings' section includes fields for 'Installation name' (SIMSV6DEMO), 'Server IP Port' (2010), 'Comm. Module IP Port' (3000), and 'Encryption key for Client' (*****). The 'General settings' section has three checked options: 'Show last login user name', 'Area list: show areas colored', and 'Deactivated detectors: show blue'. There is also an unchecked option 'Use SIMS Code Management'. The 'Data point information font' section shows 'Font: Arial' and 'Size: 8'. The 'Floor plans' section includes a dropdown for 'First floor plan to show' (Last selected floor plan), a field for 'Back to initial floor plan after' (5 Min.), and a dropdown for 'Initial floor plan at night' (No floor plan). The 'Day from' is 00:00 and 'to' is 23:59. At the bottom, the 'Service' status is 'Not installed' with 'Stop' and 'Start' buttons, and a 'Functions' section with a 'Resync database from CPUs' button and a 'Save' button.

- Der skal angives en "Encryption key for Client" den kan være både tal og bogstaver, og skal angives første gang en Klient App forbinder til SIMS Server.
- Husk at konfigurere NOX CPU'erne, og fjern markeringen i Save input state changes, da dette risikerer at fylde rigtig meget på store installationer



The screenshot shows the 'Systems' tab of the SIMS Config V6.0.12 application. A table lists the system configuration:

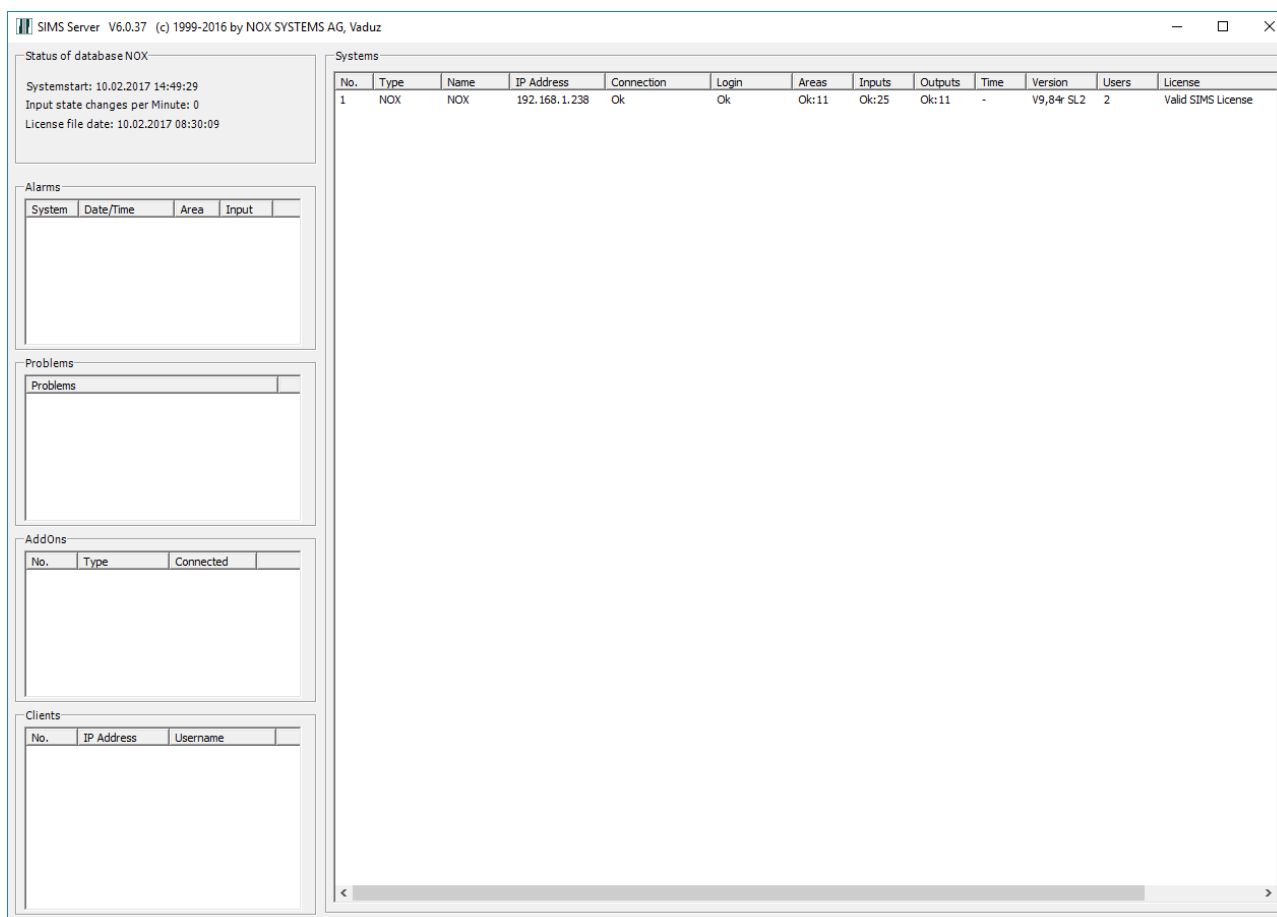
No.	Name	Type	IP Address / Interface
1	NOX	NOX	IP10.10.11.11

Buttons for 'New', 'Edit', and 'Delete' are visible. The 'System' configuration panel on the right shows 'Name: NOX', 'IP Address: 10.10.11.11', and 'Security Level 3 (Code)' selected. The 'User code' is ****. A red box highlights three unchecked options: 'Synchronize time from SIMS', 'Save input state changes to database', and 'System disabled'. 'Cancel' and 'Save' buttons are at the bottom right.

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



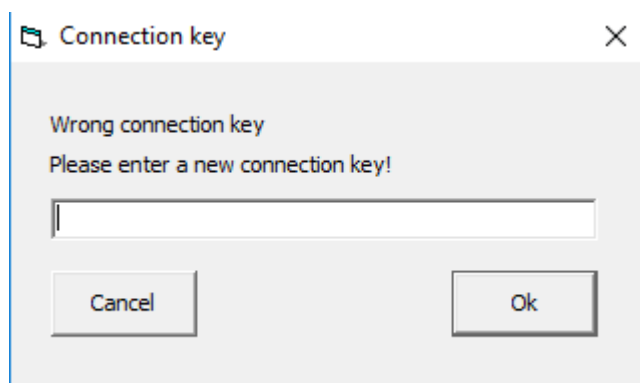
- Når SIMS Server er startet vises info vinduet



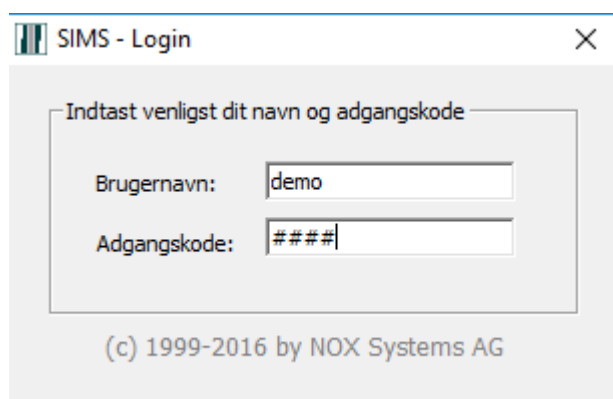
The screenshot shows the SIMS Server V6.0.37 interface. The title bar reads "SIMS Server V6.0.37 (c) 1999-2016 by NOX SYSTEMS AG, Vaduz". The main window is divided into several sections:

- 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:** A table with columns: System, Date/Time, Area, Input.
- Problems:** A table with a single column: Problems.
- AddOns:** A table with columns: No., Type, Connected.
- Clients:** A table with columns: No., IP Address, Username.
- Systems:** A table with columns: No., Type, Name, IP Address, Connection, Login, Areas, Inputs, Outputs, Time, Version, Users, License. It contains one row: 1, NOX, NOX, 192.168.1.238, Ok, Ok, Ok:11, Ok:25, Ok:11, -, V9,8# SL2, 2, Valid SIMS License.

- Når SIMS Klient startes første gang skal der indtastes den Encryption key der er valgt i SIMS Config.



- Du skal nu starte SIMS Client fra skrivebordet, eller Windows menuen, log ind med brugernavn "demo" og kode "demo" (uden gåseøjne)



- Du kan nu gå i gang med at konfigurere tegninger osv.

