# Integration Objects'

## OPC UA Interface for Databases

## OPC UA Server for Databases

Version 1.1 Rev. 0

# QUICK USER GUIDE

OPC UA Server for Databases Quick User Guide Version 1.1 Rev 0
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# ABOUT THIS USER GUIDE

This guide is a step by step guide on how to install, configure and run OPC UA Server for Databases.

# INSTALLING OPC UA SERVER FOR DATABASES

In order to properly run the OPC UA Server for databases, install .NET Framework 4.6 on the target system.
To install the OPC UA Server for Databases, run the installation executable using an administrator account and the wizard will guide you through the different installation steps.

# CONFIGURING OPC UA SERVER FOR DATABASES

Go to **Start => Programs => Integration Objects => OPC UA Server for Databases => OPC UA Server for Databases** and start the OPC UA Server for Databases

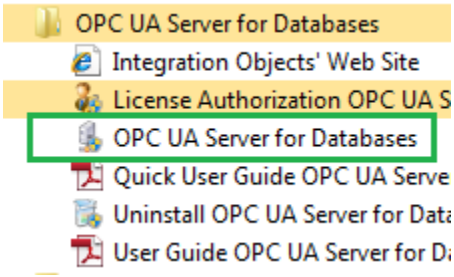


**Figure 1: OPC UA Server for Databases Start Menu**

# STEP 1: ADD NEW DATABASE LINK

Using the configuration tool, right click on the “Server Configuration” node, and select **“New database link”** from the displayed server menu.

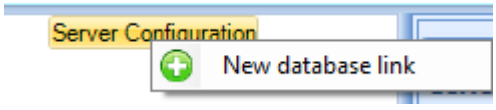


**Figure 2: New Database Link**

Then, the new database link wizard will be prompted.

## STEP 2: NAME THE DATABASE LINK AND CHOOSE THE SOURCE TYPE

Type a name to define your database link, select the source type and specify how to retrieve OPC tags as shown in the figure below:

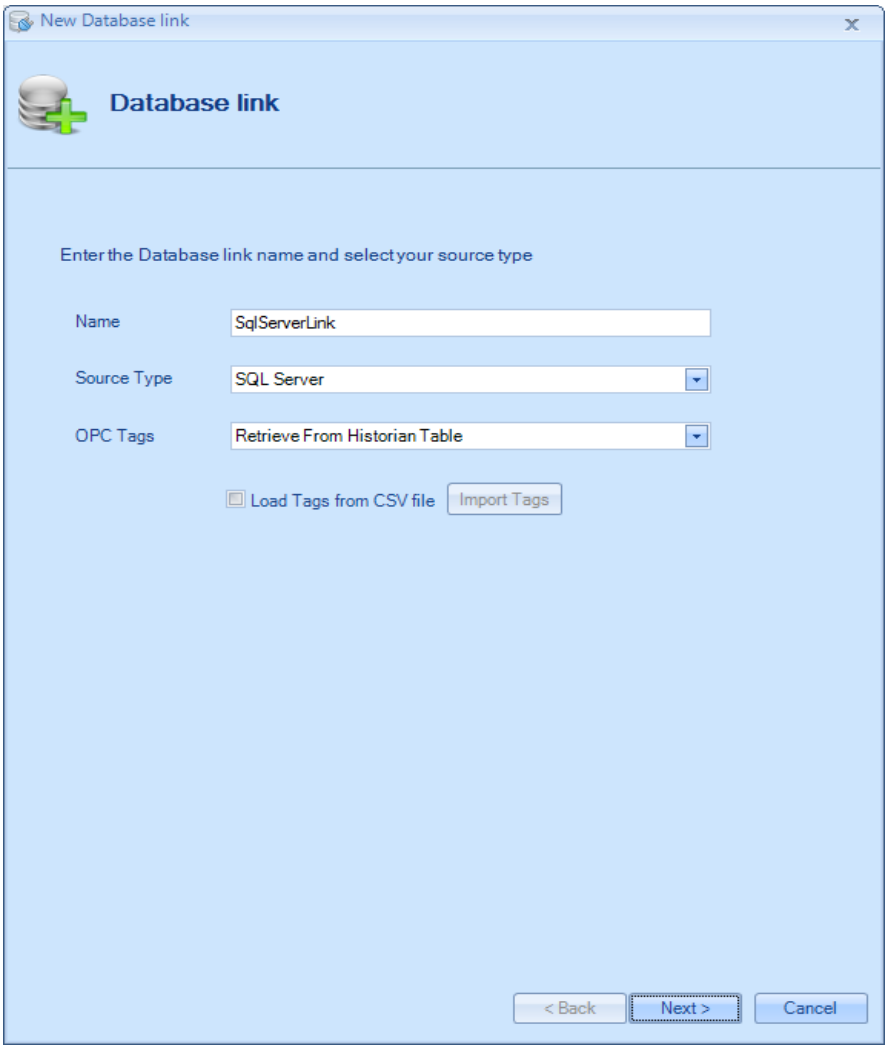


**Figure 3: Configure the Database Link**

Click the next button to configure the connection string related to the selected database provider.

## STEP 3: CONFIGURE DATABASE CONNECTION

Set server connection settings by typing the server instance name, the authentication mode and the database name.

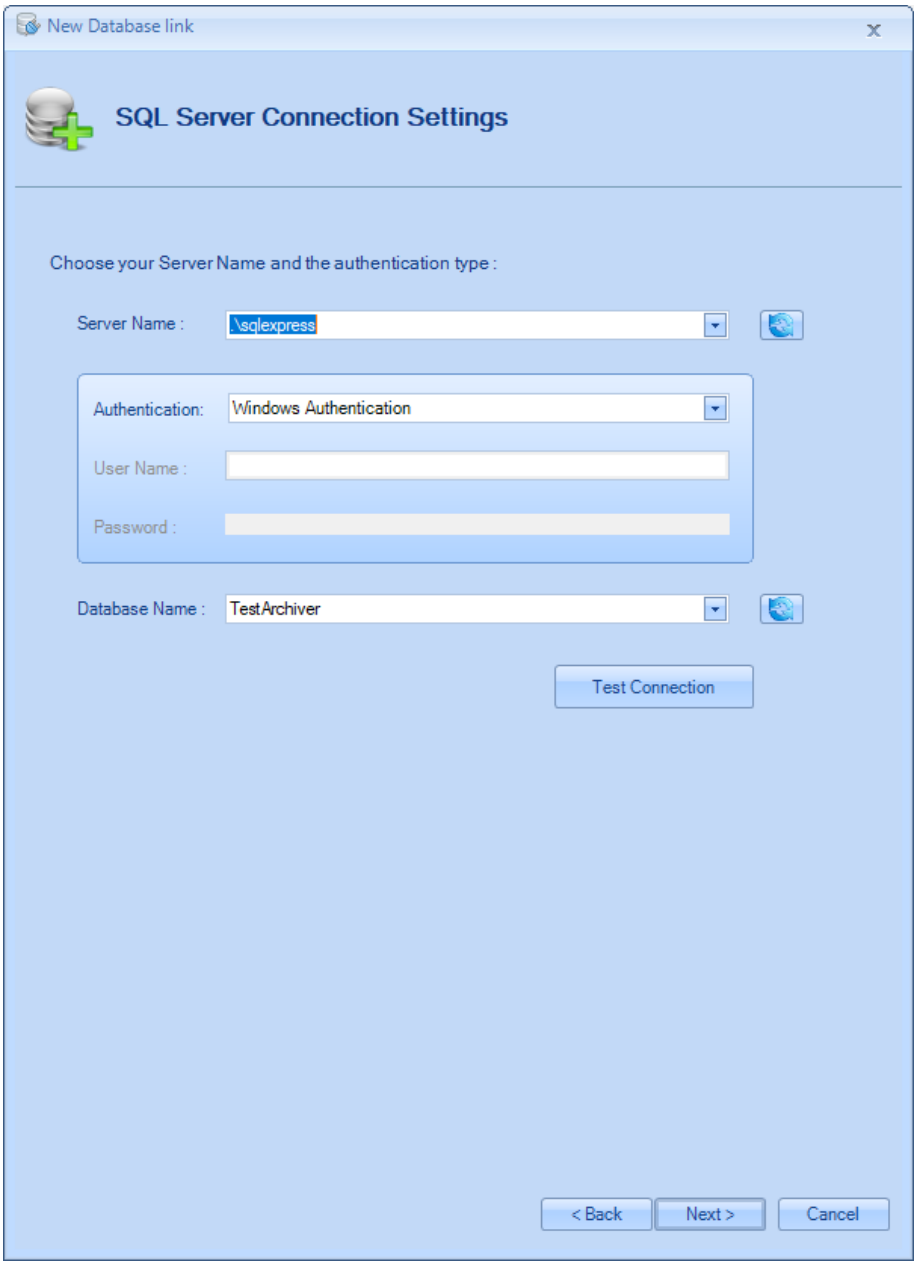


**Figure 4: Configure Server Connection Settings**

## STEP 4: MAP TABLE FIELDS

Map the table fields with the standard OPC tags attributes.

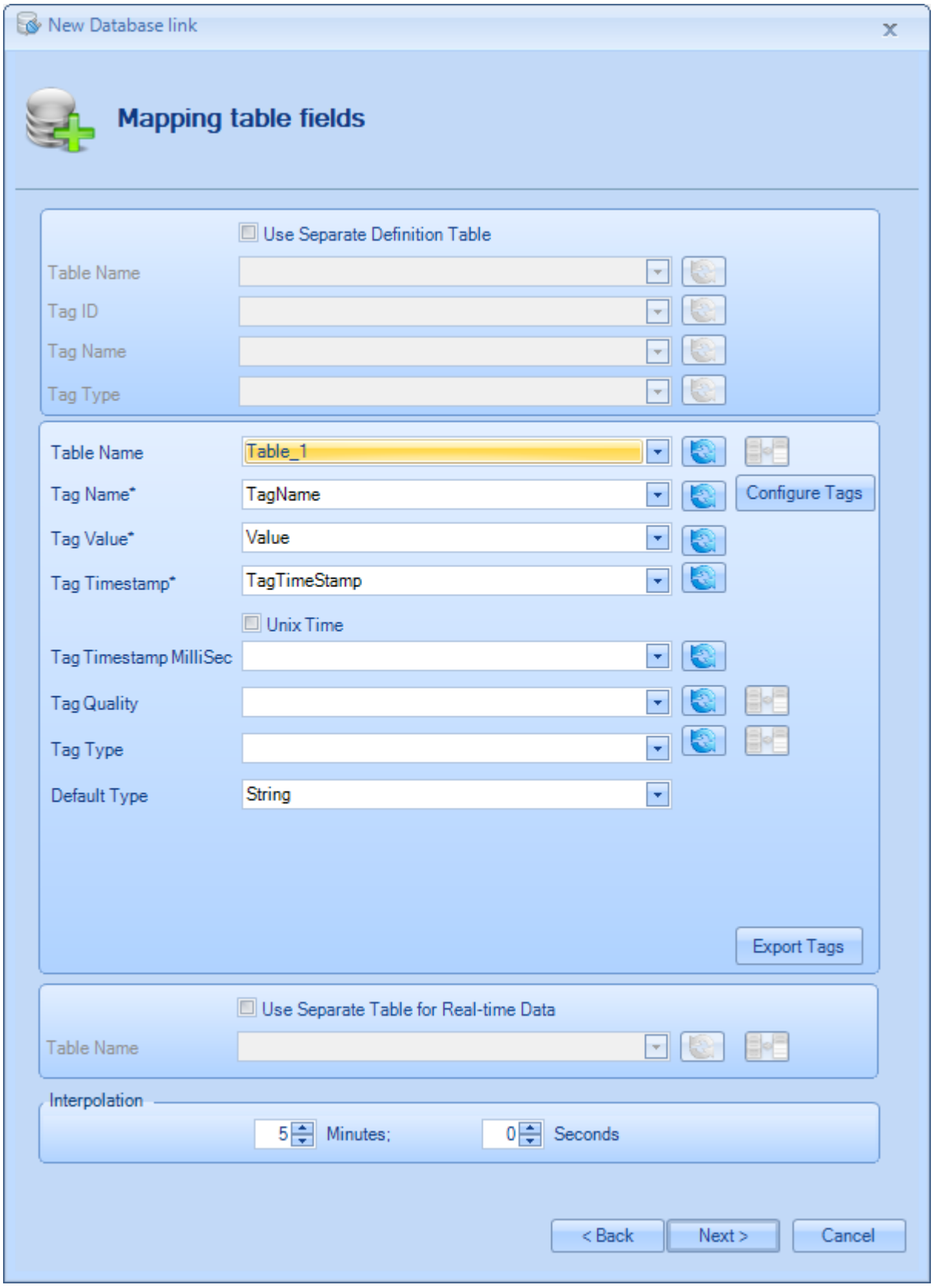
New Database link
Mapping table fields
Use Separate Definition Table
Table Name
Tag ID
Tag Name
Tag Type
Table Name
Table_1
Tag Name*
TagName
Configure Tags
Tag Value*
Value
Tag Timestamp*
TagTimeStamp
Unix Time
Tag Timestamp MilliSec
Tag Quality
Tag Type
Default Type
String
Export Tags
Use Separate Table for Real-time Data
Table Name
Interpolation
5
Minutes;
0
Seconds
< Back
Next >
Cancel

**Figure 5: Map Table Fields**

Then, click the **Configure Tags** button. A window will be displayed to choose the tags that will be included in the server address space.

## STEP 5: CHOOSE TAGS

Select the tags that will be added to the Database link and then click **OK**.

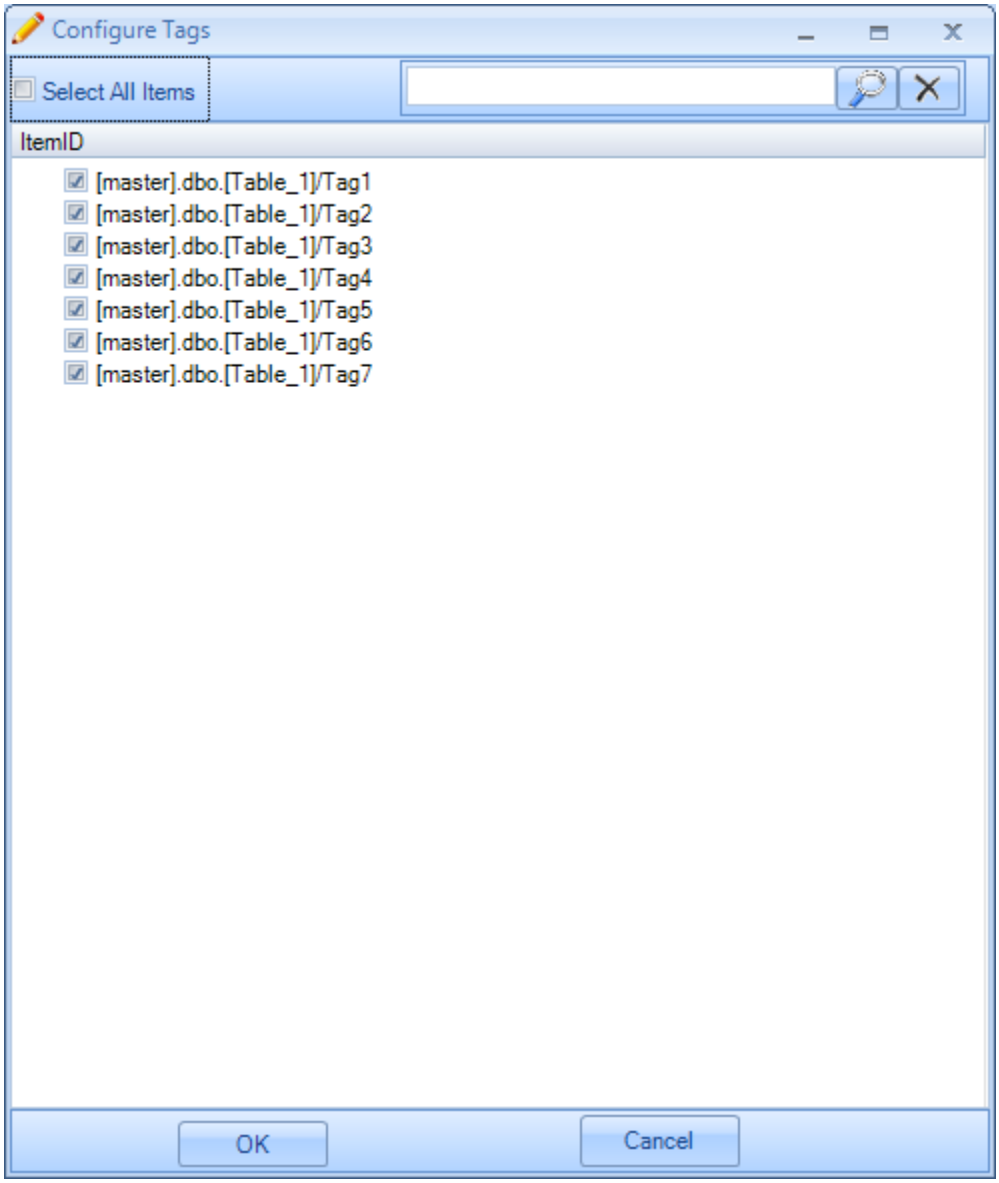


**Figure 6: Choose Tags**

# STEP 6: SAVE THE CONFIGURATION

Click the **Save** Button to save the current configuration.

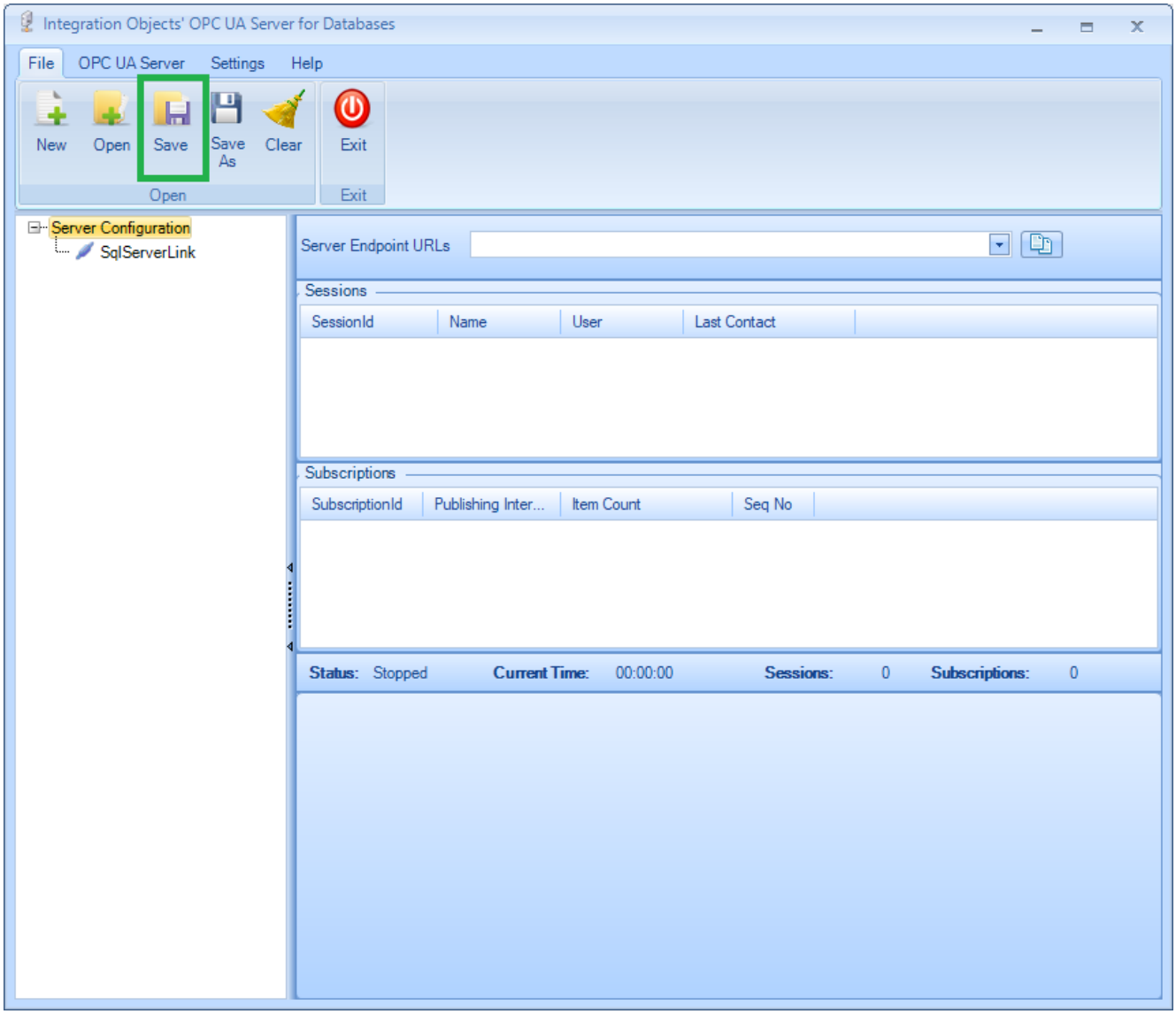


**Figure 7: Save the Configuration**

Click **Yes** when prompted to restart the application and then connect to the OPC UA Server for Databases through an OPC UA Client.

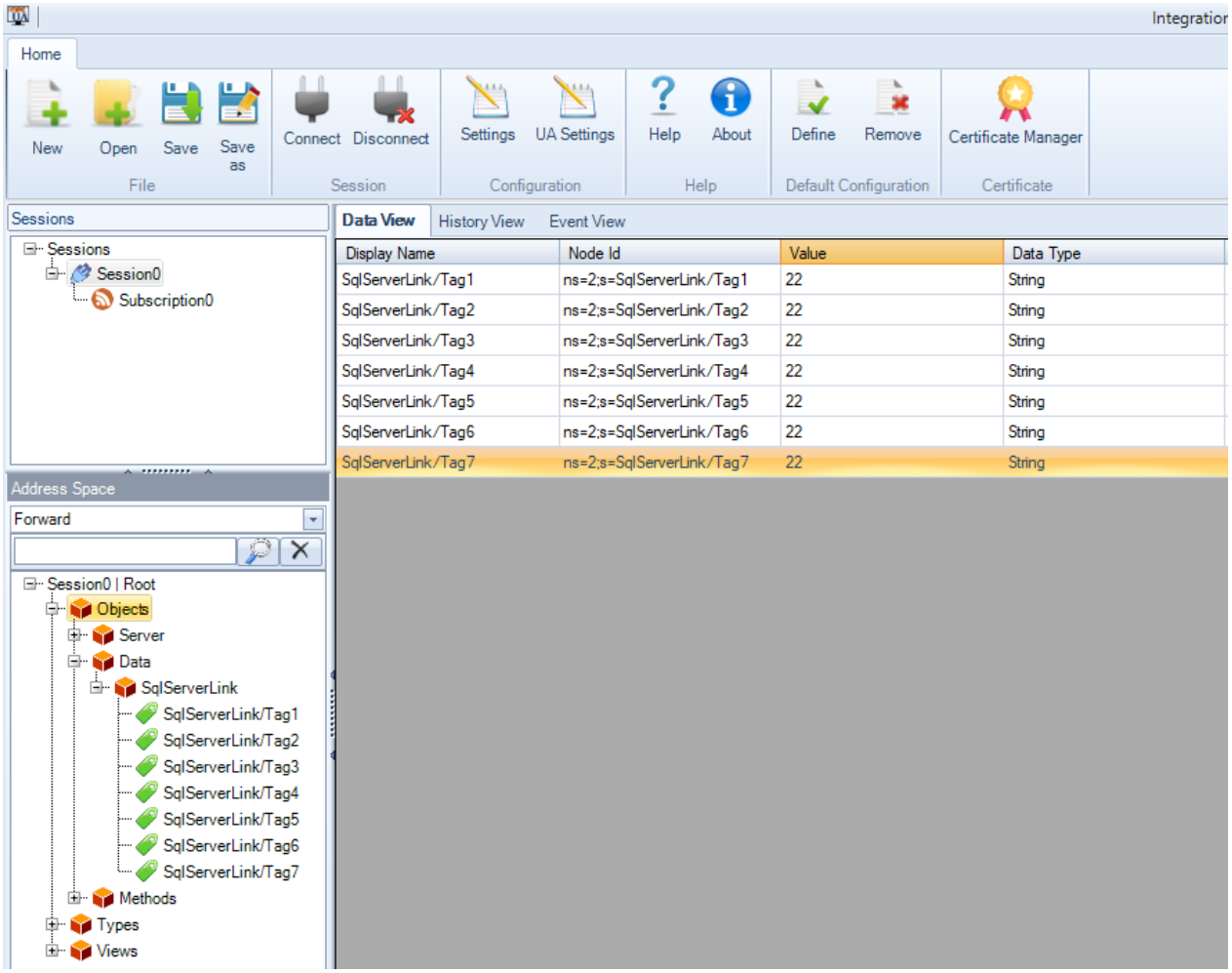


**Figure 8: Connect to OPC UA Server for Databases through an OPC UA Client**

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