

Integration Objects'

OPC DA & HDA Interface for Databases

OPC Driver for Databases
Version 1.2 Rev. 2

QUICK USER GUIDE

OPC Driver for Databases Quick User Guide Version 1.2 Rev 2
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ABOUT THIS USER GUIDE

This guide is a step by step guide that lists the main steps on how to install, configure and run OPC Driver for Databases.

INSTALLATION PRE-REQUISITES

In order to properly run the OPC Driver for databases, install these software components on the target system:

- .NET Framework version 4.0 or higher.
- OPC Core Components version 3.00

INSTALLING OPC DRIVER FOR DATABASES

To install the OPC Driver for Databases, run the installation executable using an administrator account and the wizard will take you through the different installation steps.

CONFIGURING OPC DRIVER FOR DATABASES

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

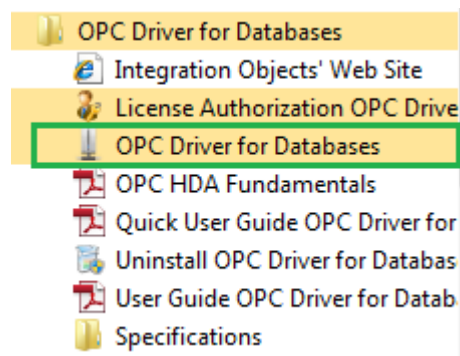


Figure 1: OPC Driver for Databases Start Menu

STEP 1: ADD NEW DATABASE LINK

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

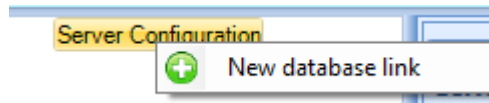


Figure 2: New Database Link

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:

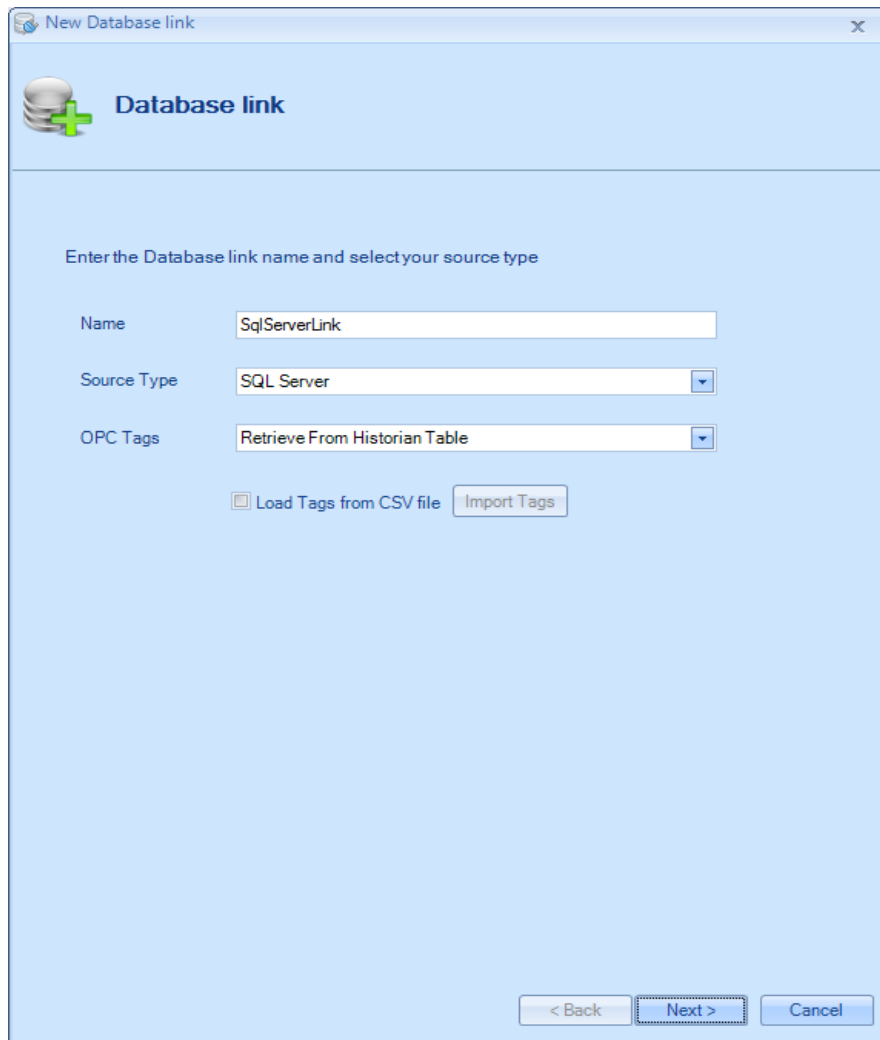
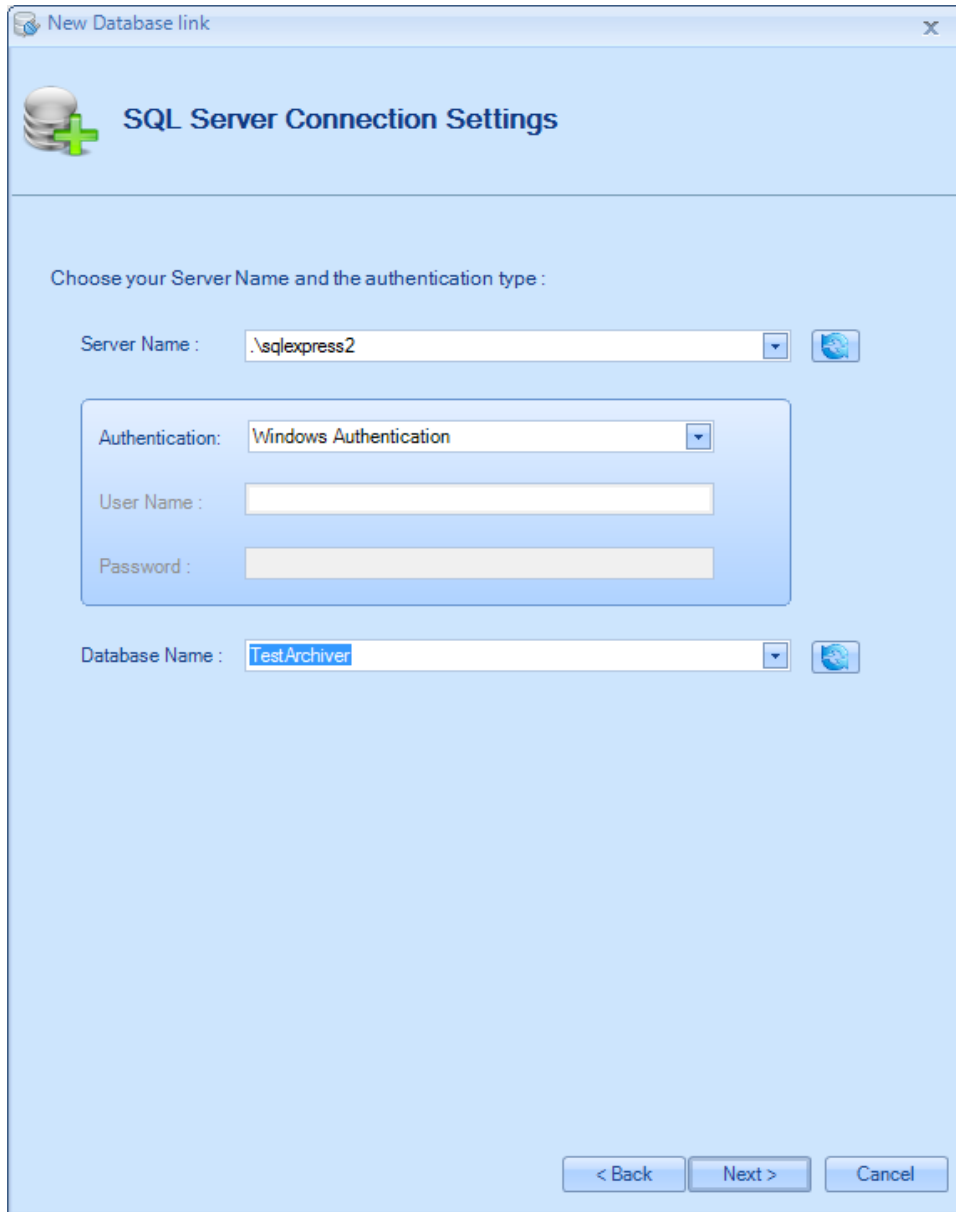


Figure 3: Configure the Database Link

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.



The screenshot shows a dialog box titled "New Database link" with a close button (X) in the top right corner. Below the title bar is a header area with a database icon and a green plus sign, followed by the text "SQL Server Connection Settings".

The main content area contains the instruction "Choose your Server Name and the authentication type :".

There are three main input fields:

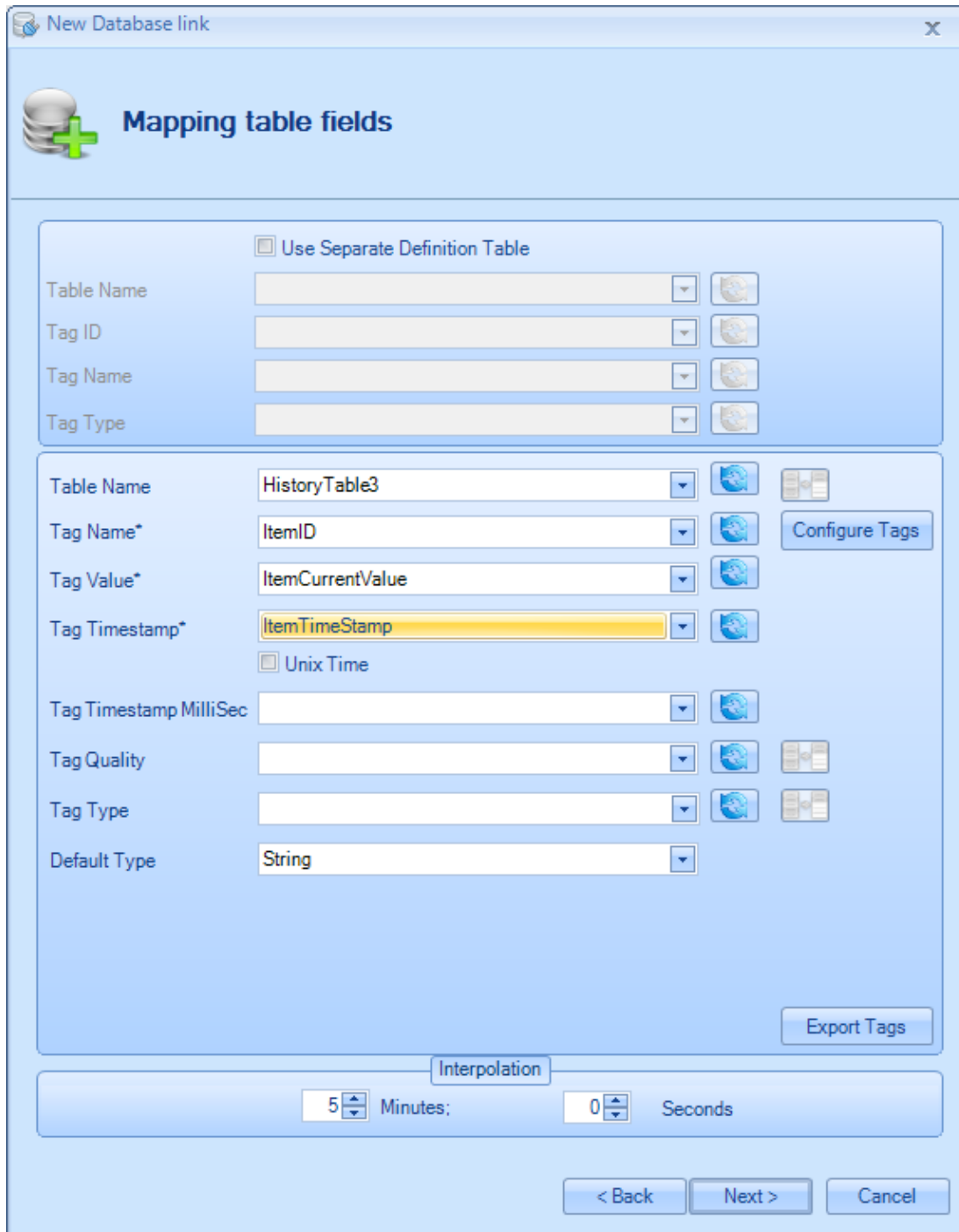
- Server Name :** A dropdown menu with ".sqlexpress2" selected and a globe icon to its right.
- Authentication:** A dropdown menu with "Windows Authentication" selected, enclosed in a light blue box. Below it are two empty text input fields for "User Name :" and "Password :".
- Database Name :** A dropdown menu with "TestArchiver" selected and a globe icon to its right.

At the bottom right of the dialog box, there are three buttons: "< Back", "Next >", and "Cancel".

Figure 4: Configure Server Connection Settings


STEP 4: MAPPING TABLE FIELDS


Map the table fields with the standard OPC tags attributes.




Mapping table fields

Use Separate Definition Table

Table Name 

Tag ID 

Tag Name 









Tag Type 



Table Name  



Tag Name*  

Tag Value* 

Tag Timestamp*  Unix Time

Tag Timestamp MilliSec 

Tag Quality  

Tag Type  

Default Type

Interpolation

Minutes: Seconds

Figure 5: Map Table Fields

Then, click on **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 tags that will be added to the Database link and then click **OK**.

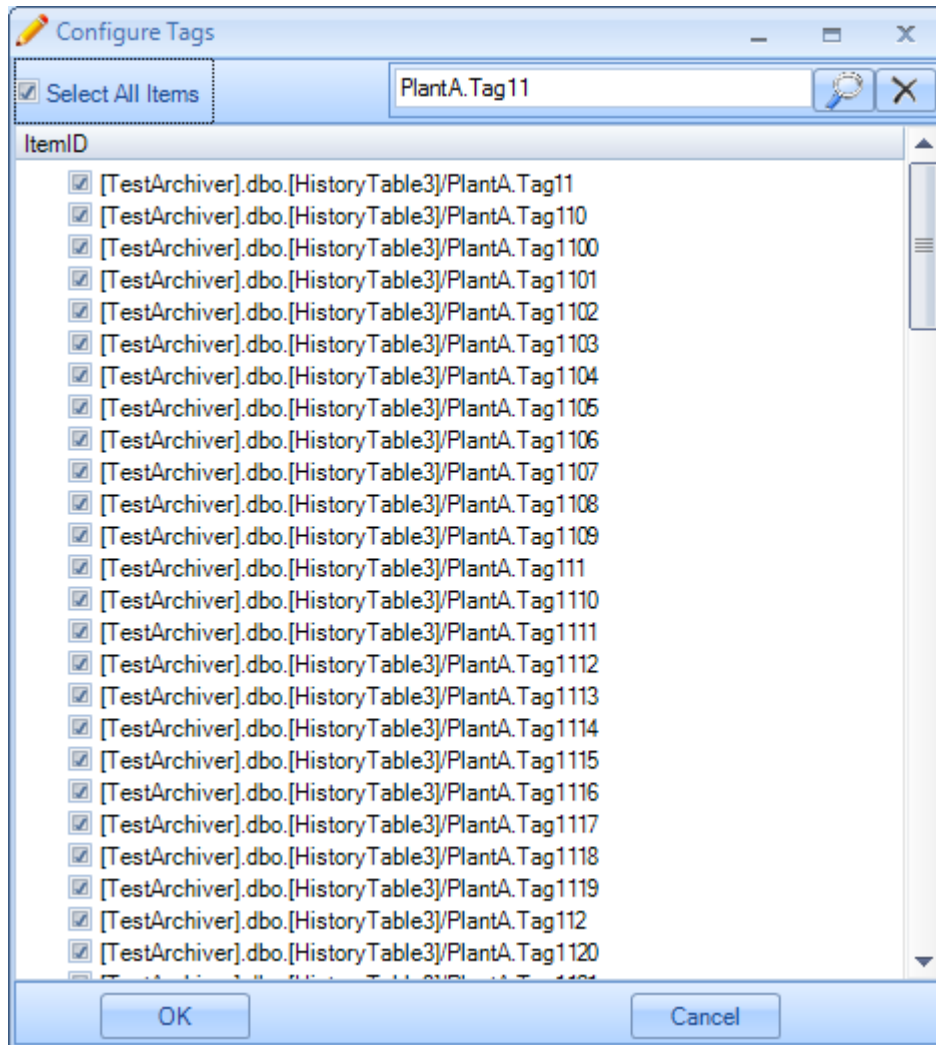


Figure 6: Choose Tags

STEP 6: SAVE THE CONFIGURATION

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

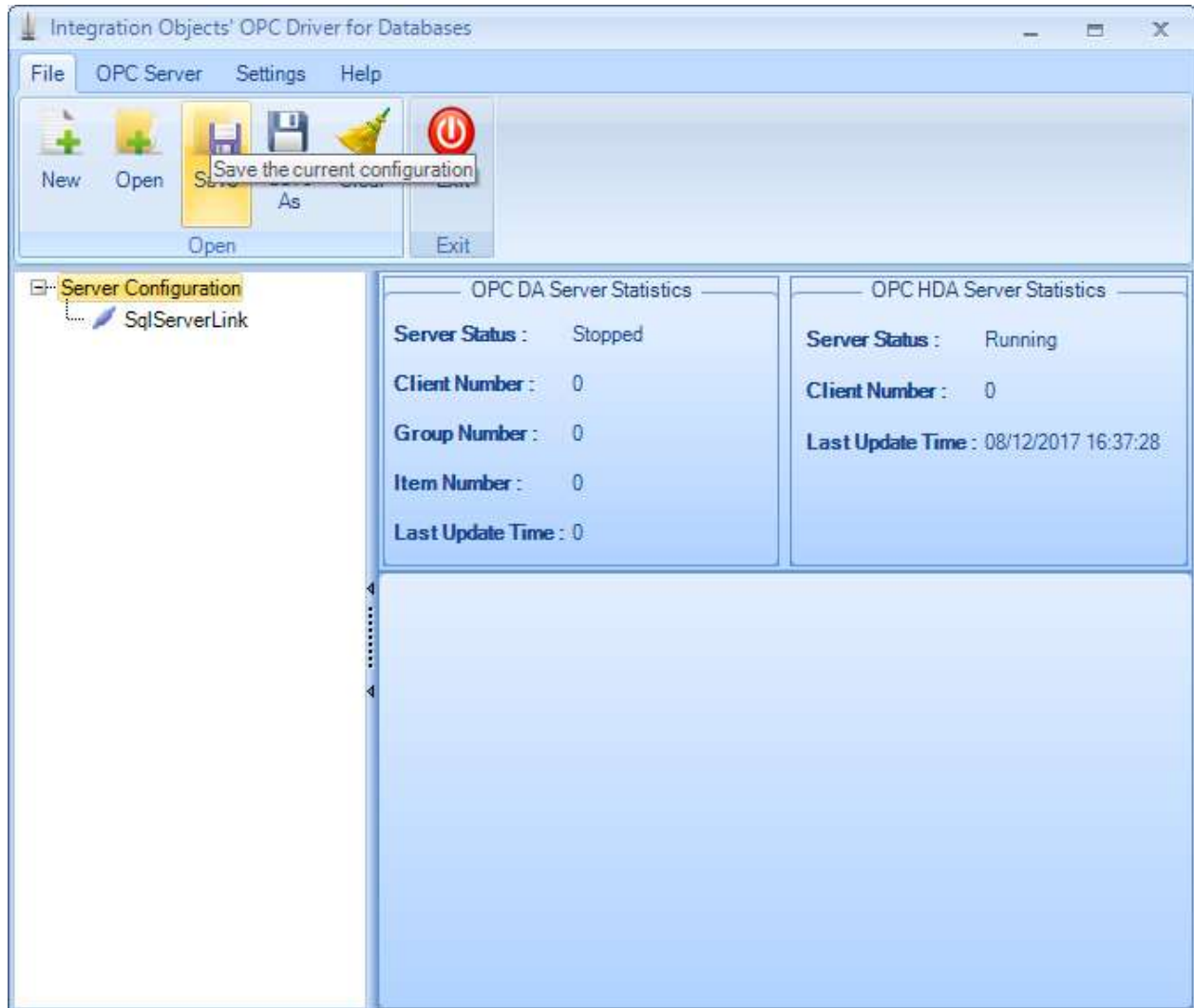


Figure 7: Save the Configuration

Click **Yes** when prompted to restart the application and then connect to the OPC Driver for databases through an OPC Client.

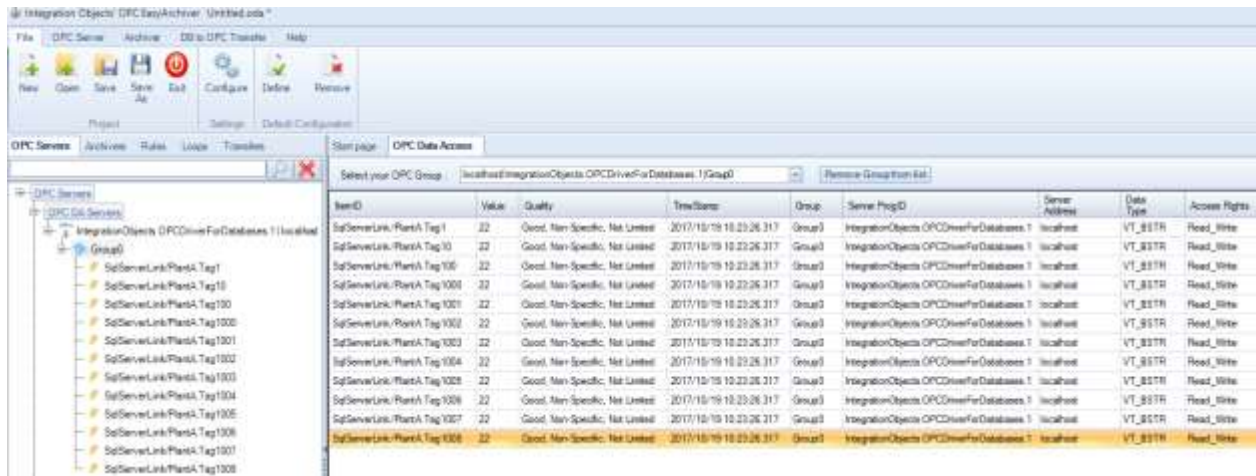


Figure 8: Connect to OPC Driver for Databases through an OPC Client

For additional information on this guide, questions or problems to report, please contact:

Offices

- Americas: +1 713 609 9208
- Europe-Africa-Middle East: +216 71 195 360

Email

- Support Services: customerservice@integrationobjects.com
- Sales: sales@integrationobjects.com

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