



Kepware Technologies

KEPServerEX Client Connectivity Guide for Iconics Genesis32

April, 2010
V. 1.000

©Kepware Technologies

Table of Contents

- 1. Overview and Requirements 1
- 2. Creating a New Genesis32 Project 1
- 3. Placing a Process Point..... 2
- 4. Viewing Available Servers and Selecting Tags..... 3
- 5. Checking the OPC Connection and Viewing Server Data 5
- 6. Using Kepware’s OPC Quick Client 6

1. Overview and Requirements

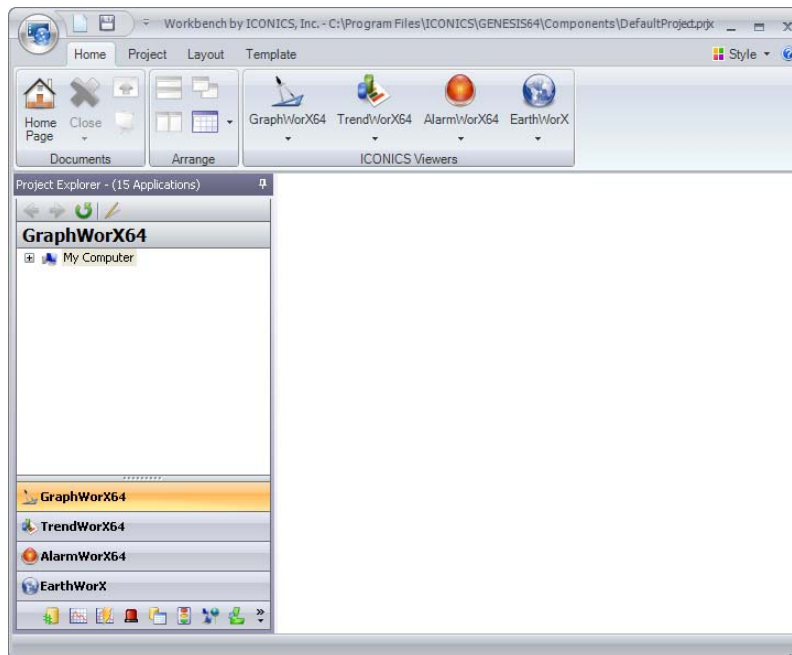
This guide will demonstrate how to establish a connection between the KEPServerEX OPC server and Iconics Genesis32. Users must complete the following before continuing with the tutorial:

- Configure a server project. Users may either select the appropriate driver and settings or run the **Simulation Driver Demo** that is included with KEPServerEX. The Simulation Driver Demo project will be used for all examples in the tutorial.
- Start KEPServerEX and load the Simulation Driver Demo project. Once the server project has been loaded, open the Runtime menu on the main menu bar and verify that the server project has been connected.

2. Creating a New Genesis32 Project

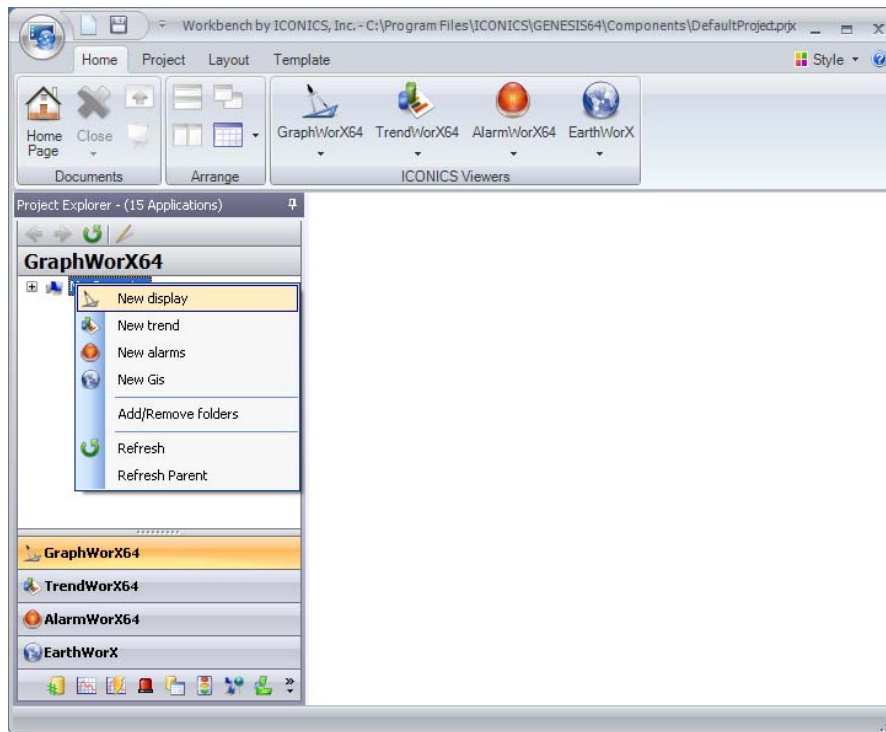
In this tutorial, Genesis32 version 10.01 will be used.

1. Start the program **Workbench by ICONICS**.
2. Select the **GraphWorX64** tab, located in the bottom of the Project Explorer window.



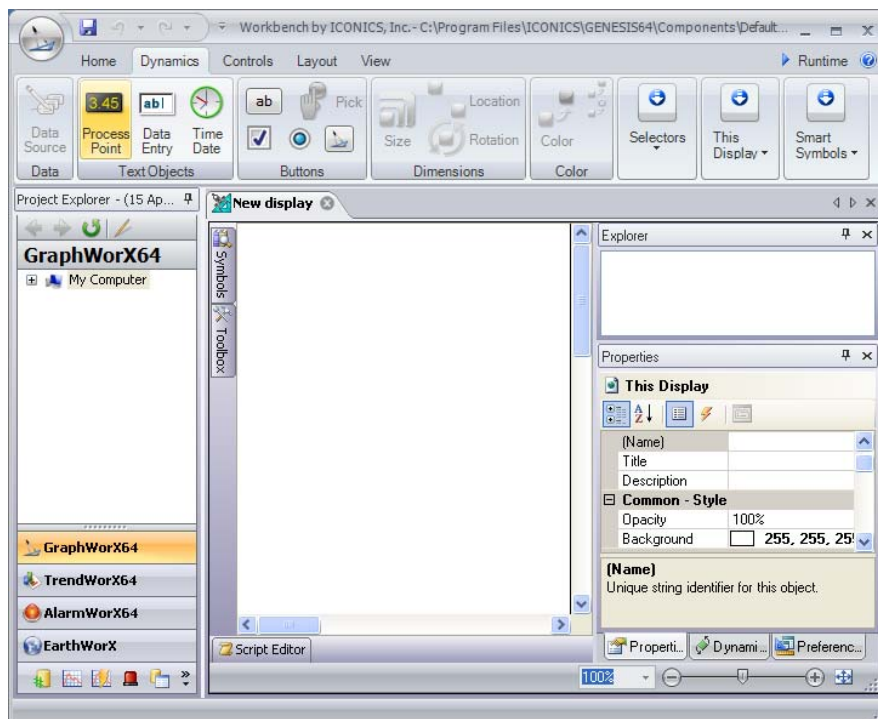
3. Next, right-click on **My Computer**.

4. Select **New display**.



3. Placing a Process Point

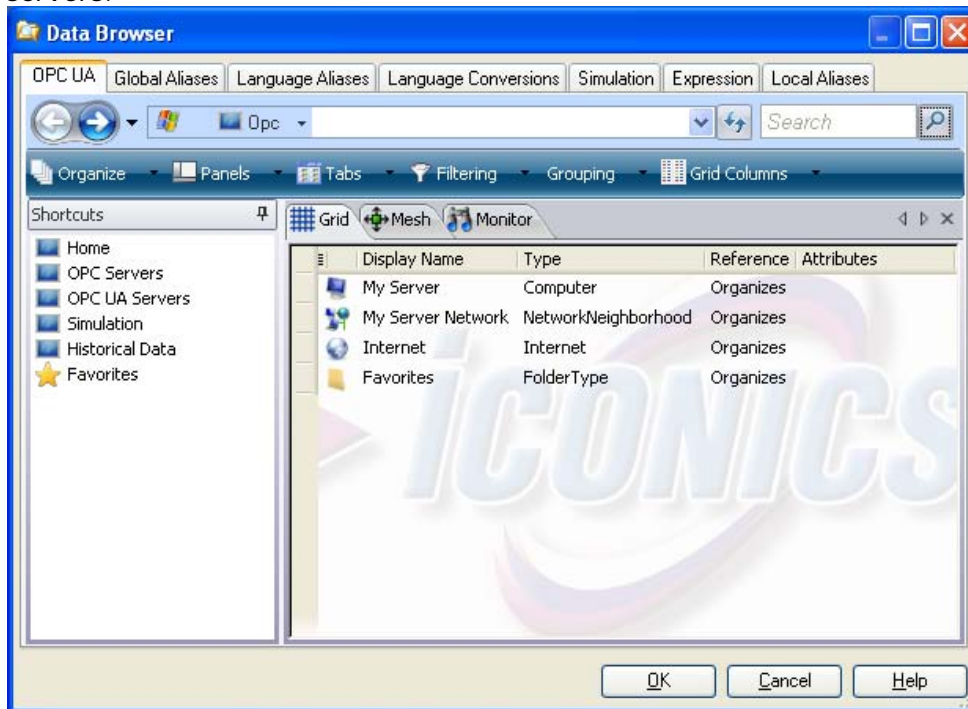
1. Next, select the **Dynamics** tab from the main menu.
2. In the **Text Objects** group, click on the **Process Point** icon.
3. In the **New display** work area, drag and draw a Process Point object.



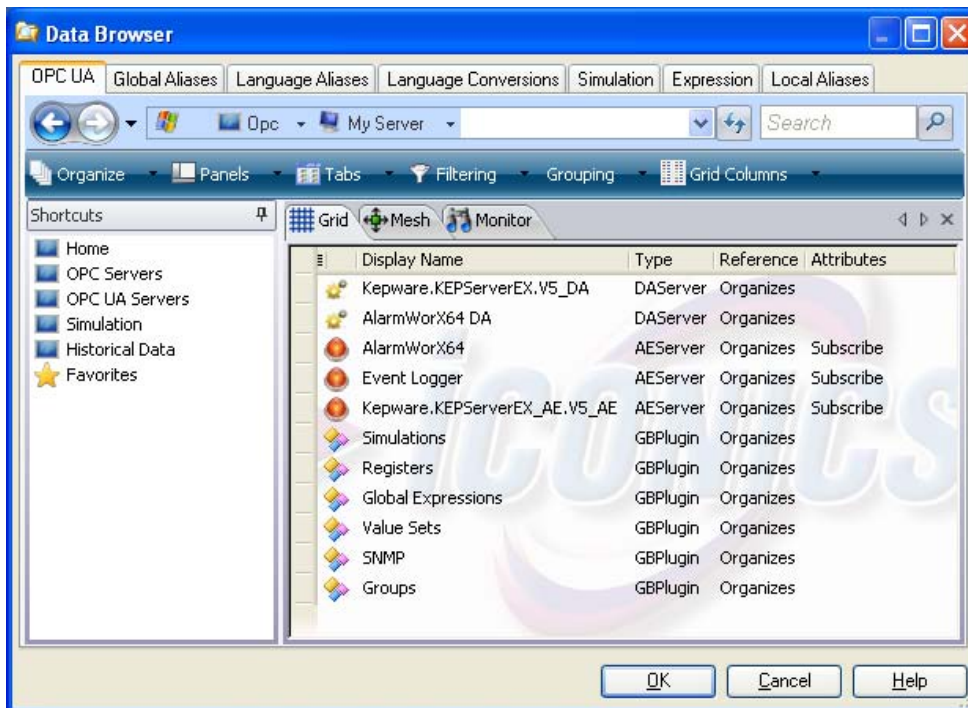
4. Viewing Available Servers and Selecting Tags

The **Data Browser** will appear immediately after placement of the new Process Point object.

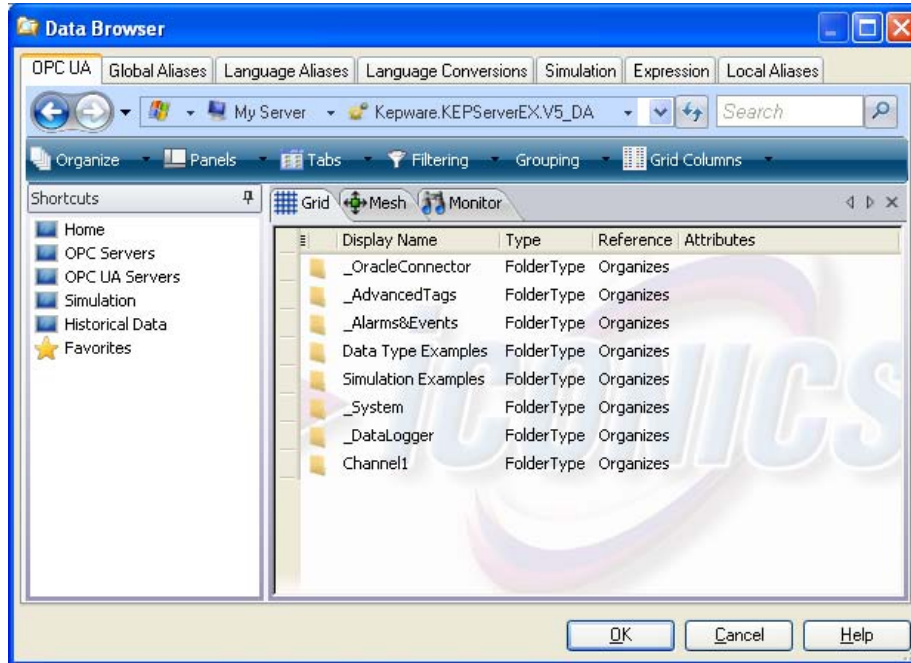
1. In the **Grid** window, double-click on **My Server** to open a list of data servers.



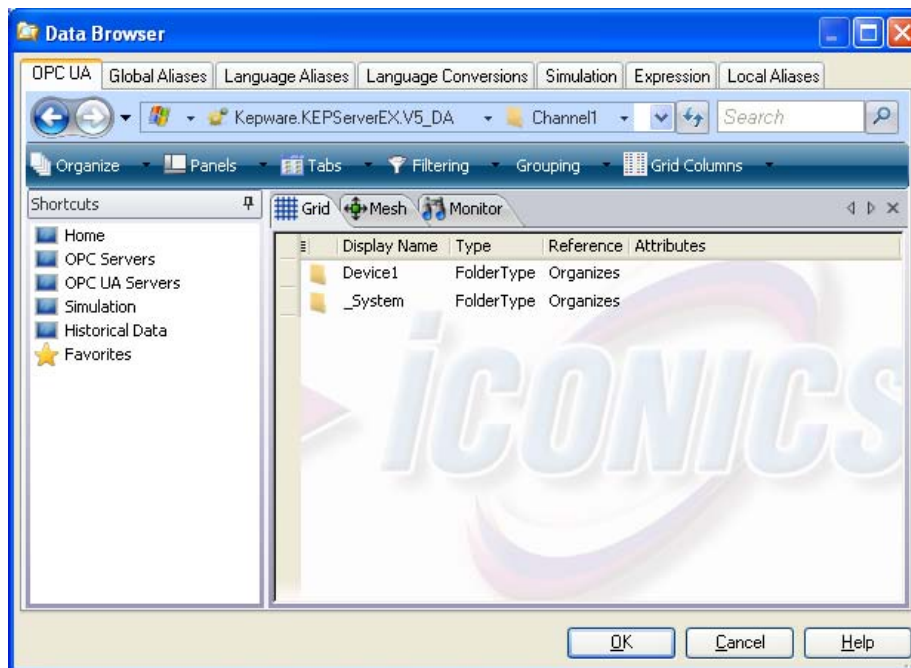
2. Next, double-click **Kepware.KEPServerEX.V5_DA**.



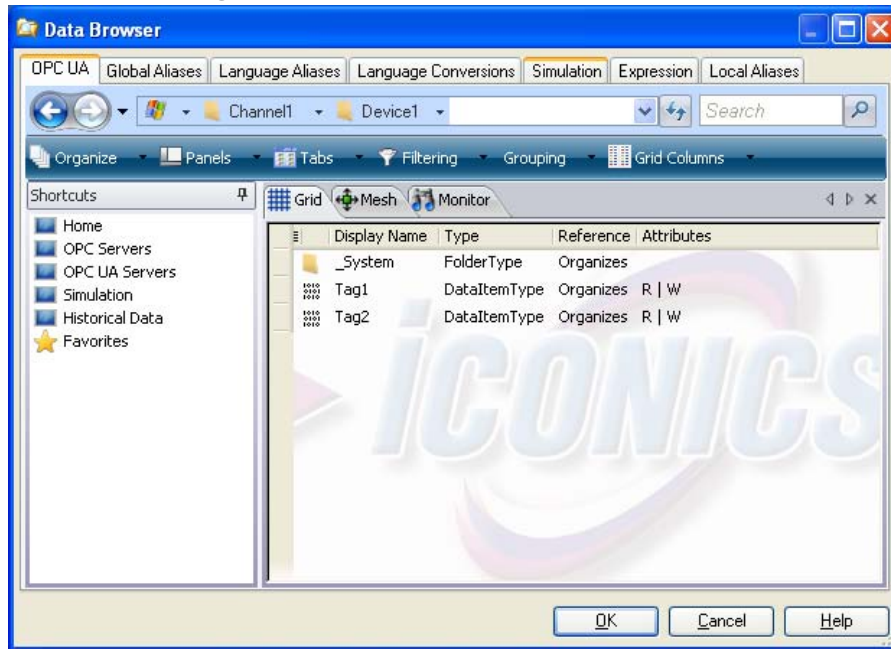
3. In the list of tag groups, double-click **Channel1**.



4. In the next list, double-click **Device1**.



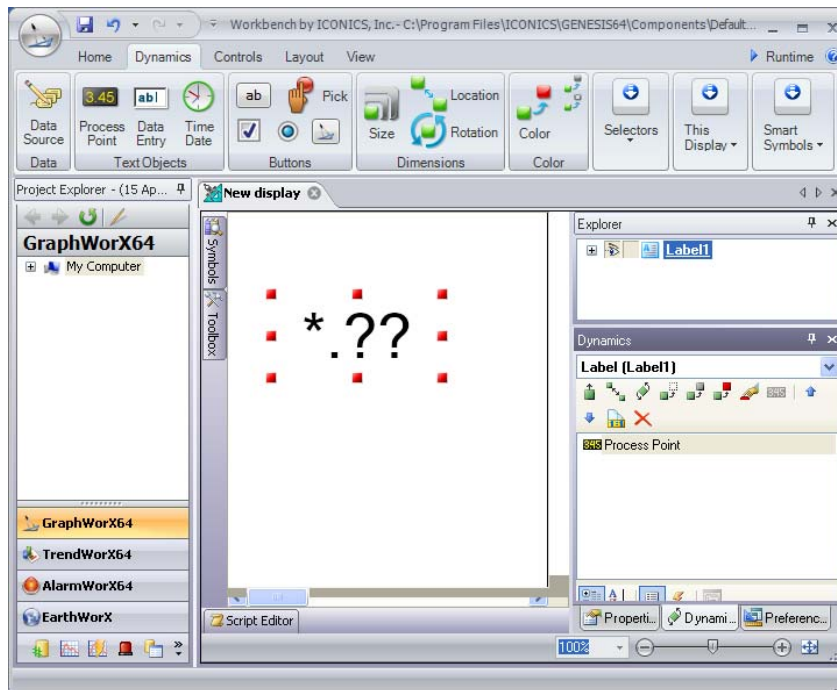
- Next, select **Tag1** and then click **OK**.



Note: The Process Point object should now appear in the **New Display** window.

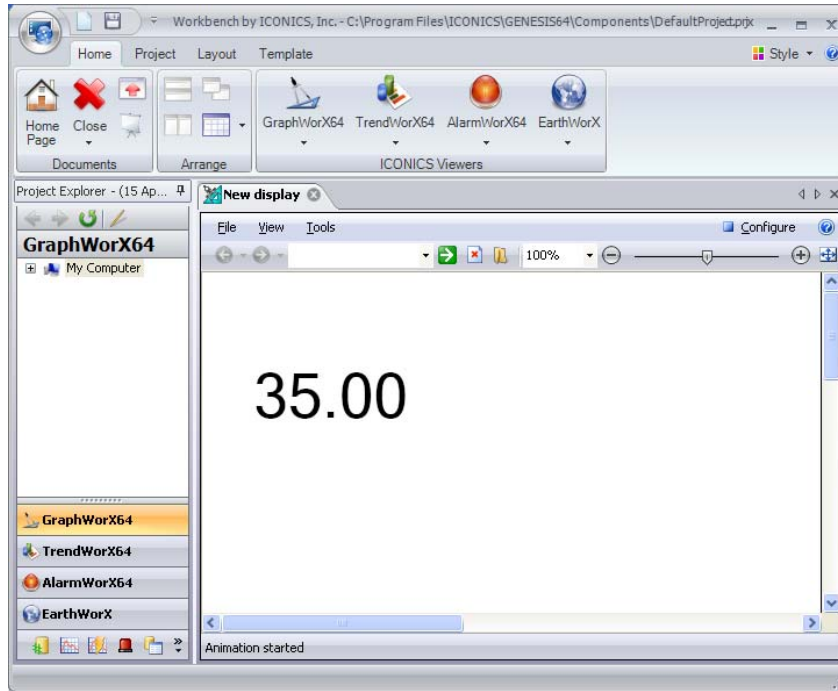
5. Checking the OPC Connection and Viewing Server Data

- In **Workbench**, run the display by clicking **Runtime**.



Note: Changing data should now be visible in the **New display** window.

2. Then, stop the Runtime by clicking **Configure**.



6. Using Kepware's OPC Quick Client

KePware provides an OPC client application with each installation of KEPServerEX for testing purposes. For more information, refer to the OPC Quick Client help documentation.