

Description: Guide to setting up OPC-XML-DA for GENESIS32.

OS Requirement: Win 2000 Pro/Server, XP Pro, Server 2003

General Requirement: IIS 5.0 or greater installed on the machine. The OPC server should support XML DA. The machine should also have ICONICS Simulator 3.1 OPC Server installed because this document uses it

Installation Steps

- During installation of the ICONICS Simulator 3.1 OPC Server, you will see a window prompting you to Install XML-DA. Check the radio button to install it and then click “Next”.
- NOTE:** You will only see this window come up if IIS is already installed on the machine.
- You should see a message box informing you that XML DA is being installed.
 - After the installation is complete, open your IIS Manager from Start → Control Panel → Administrative Tools → Internet Information Services.
 - Expand **Default Website**, you should see a virtual directory **Simulator-XML-DA** created there.

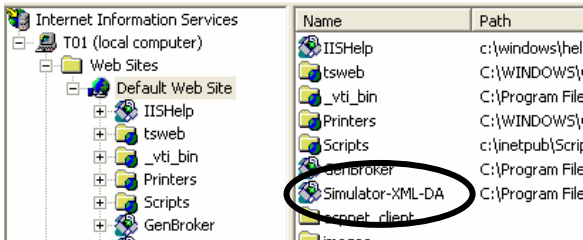


Figure 1 - Simulator-XML-DA Virtual Directory

- Go to the folder where the ICONICS Simulator 3.1 OPC server is installed and make sure there is a file with the extension ***.asmx**. The name of this asmx file is usually the ProgID of the OPC Server. In this case, the name of the asmx file is **ICONICS.SimulatorOPCDA.asmx**.

Viewing Data from a Client

- Open DataWorX32 Configurator from Start → Programs → ICOINCS DataWorX32.
- Add a **register** to the DataWorX32 configuration by choosing Inputs → OPC Point. Click the “...” button to open the **Unified Data Browser**.

- In the **OPC DA** tab, right-click on **Favorites** and select **New Data Server**.



Figure 2 - New Data Server

- In the **Add Data Server** window, type: `http://localhost/Simulator-XML-DA/ICONICS.SimulatorOPCDA.asmx` (If your OPC server is on a remote machine, type in the name of the remote machine instead of **localhost**.)
- Simulator-XML-DA** is the name of the virtual directory created for you during the installation if the OPC Server. **ICONICS.SimulatorOPCDA.asmx** is the name of the .asmx file you are referring to for data.
- Click on **OK**. Now if you expand **Favorites**, you should be able to see the tags present in the OPC Server.
- Select a tag and click on **OK**. Click on **Apply** in DataWorX32. You can monitor the tag in DataWorX32 to see the value by clicking on the Monitor View  icon.

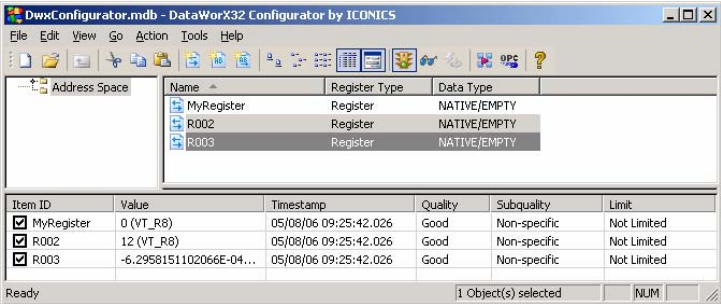


Figure 3 - Monitoring Data in DataWorX32

- You can also see the tags in GraphWorX32. Add the point as explained above and put GraphWorX32 into runtime.