

Description: Guide to setup GenBroker for browsing OPC data that is anywhere on the Internet

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

General Requirement: Basic understanding of communication between OPC servers and clients.

Introduction

Connecting to live data for read/write access over the network is a snap with GenBroker. The following instructions will walk you through the configuration on the client side and the configuration on the OPC Server side to make this happen.

Starting GenBroker on the Server

1. On the machine running the OPC Server that you want to connect to, go to Start → Programs → ICONICS Tools → MonitorWorX
2. Right-click the GenBroker item as shown below to start the server.

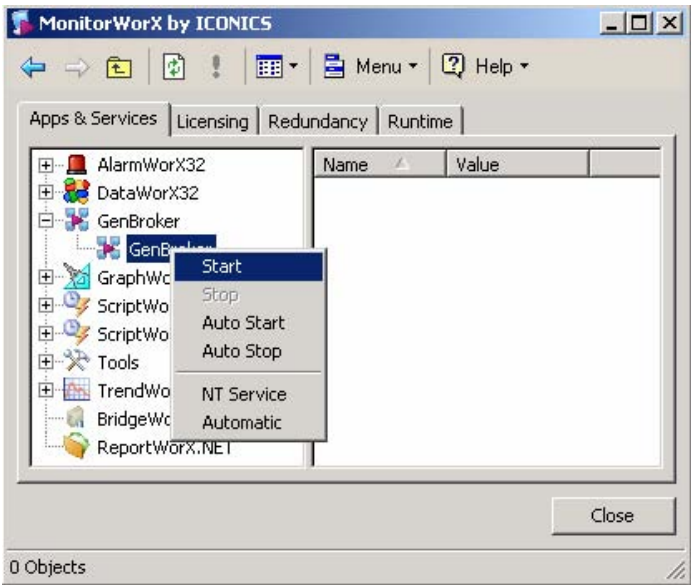


Figure 1 – Start GenBroker Server

Configuring GenBroker on the Client

1. On the machine that runs OPC clients (i.e. GraphWorX32), go to Start → Programs → ICONICS Tools → GenBroker Configurator
2. Click on the “New...” button to create a new GenBroker Configuration.

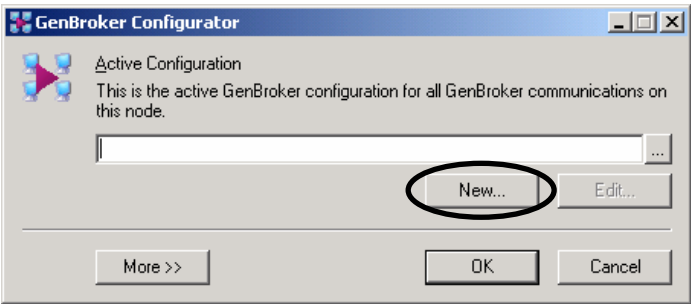


Figure 2 - GenBroker Configurator

3. In the tree-control in the left-hand pane, select Channels.
4. In the right hand pane, right-click on OPC over TCP/IP channel and select “Add Node”

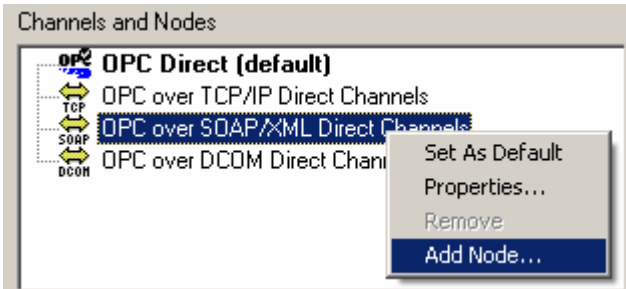


Figure 3 - GenBroker Configurator Channels

5. Specify the name of the remote OPC server computer that is on the internet and click “OK”. We will use www.webhmi.com in this example.

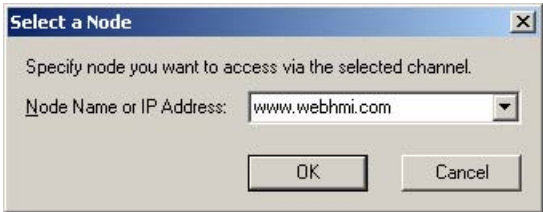


Figure 4 - Select a Node

6. Save the file by going to File → Save As, choose where you want to save the file and give the file a name. You can close the configurator once you have saved the configuration.

View Remote OPC Data in GraphWorX32

1. Start GraphWorX32 by going to Start → Programs → ICONICS GENESIS32 → GraphWorX32 → GraphWorX32.
2. Place a process point on the display. You will see the properties inspector come up.
3. Click on the “Data Tag...” button to bring up the Unified Data Browser.
4. In the Unified Data Browser, select Internet → OPC over TCP/IP Direct Channels and select the OPC Server node that you have added earlier.

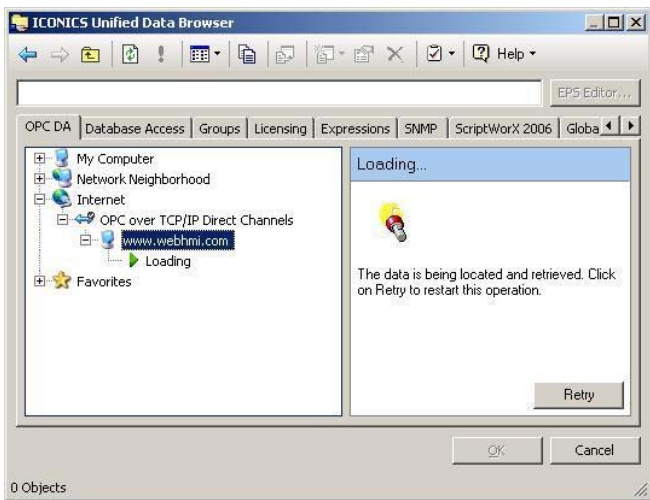


Figure 5 - Unified Data Browser Internet

5. You should then see all of the OPC servers on this node. You can choose any OPC tag on any OPC server on this node.
6. Once you have selected the tag, click “OK” until you are back in the GraphWorX32 display working area.
7. Go into run time and you should see your tag with live data.