

Description: Guide to using the new Unified Data Browser module and its features

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: GENESIS32 v9.x installed on the machine.

Introduction

The ICONICS Unified Data Browser is a tool that allows you to add different data types into your display. Depending on where the Unified Data Browser is called, it may have a different appearance. For example, when you are trying to add historical tags to a Trend Viewer, you would only see the OPC HDA tab in the browser.

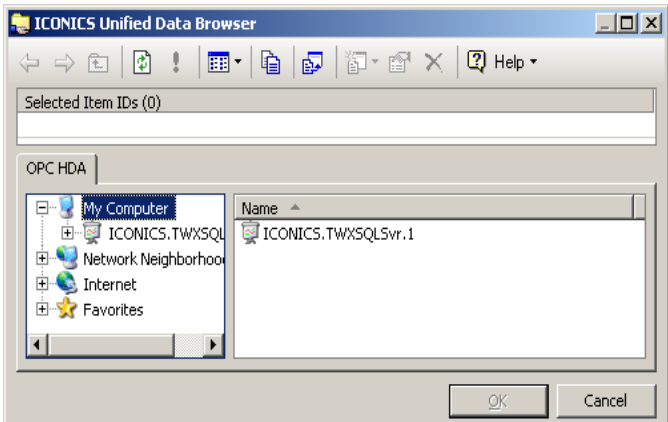


Figure 1 - Unified Data Browser Called from Historical Pen Selection

The entire Unified Data Browser is shown in Figure 2. You can bring up the browser by going to **Start → Programs → ICONICS Tools → Unified Data Browser**. As shown in Figure 2, there are many tabs in the browser and each tab corresponds to a particular type of data. Please refer to Table 1 for a list of the available data types in the main Unified Data Browser.

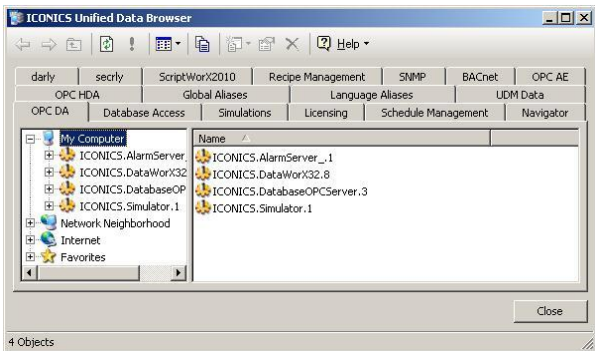


Figure 2 - The Unified Data Browser

Table 1 - Data Types Available in the UDB

Data Type	Description
OPC DA	Lists all the available OPC servers for the selected node. You can click on Network Neighborhood to view remote OPC Servers.
Database Access	Lists all of the available data items configured in the Data Mining Configurator
UDM data	Lists all Groups configured in the Unified Data Manager
Licensing	Allows you to insert your license information as data points.
Expressions	Lists all Expressions configured in the Unified Data Manager*
SNMP	Lists all SNMP devices you have setup in the SNMP Configurator
ScriptWorX 2010	Lists all of the Global Variables used in your scripts.
The OPC AE	Lists all the available Alarm & Event Servers present on the selected machine. You can select an alarm or event tags in here.
OPC HAD	Lists all the available HDA servers present on the selected machine. You can select historical data tags from this.
Global Aliases	List all the Global Aliases configured on the currently active Global Aliasing Configurator
Simulations	List of all simulation variables
Schedule Management	List of all available SWX items
BACnet	List of all available BACnet items
Recipe	List of all available Recipe items
Language Aliases	Lists all the Language Aliases configured in the currently active Language Configuration

NOTE: The Unified Data Manager is DIFFERENT from the Unified Data Browser

Features

There are a few nifty tasks that you can perform with the Unified Data Browser. We will discuss some of these features in this section.

On-the-Fly Data Items

You can create your own Data Item on-the-fly. While you are selecting a data item in the Unified Data Browser, you realize you forgot to create what you needed. In this case, you can use the Data Mining Wizard to create it. Simple click on the “Wizard” button at the bottom of the Unified Data Browser, see Figure 3.

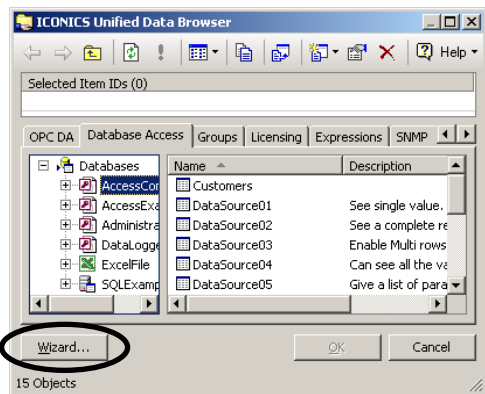


Figure 3 - Launching the Data Mining Wizard from the Unified Data Browser

Selecting Multiple Tags

You can also select multiple tags in the unified data browser. If there is a block of tags that you want to select, simple select the first tag, hold down the Shift-key, then select the last tag of the block and click OK. You can also select multiple tags by holding down the Ctrl-key. This will allow you to select only the tags that you click on.

Alternatively, if you know that you want to select all of the tags in a folder (i.e. everything in the SimulatedPLC folder), you can right-click on it and select “Enter Up”. You could also select the folder and click on the “Enter Up” button . The set of tags will be added as shown in

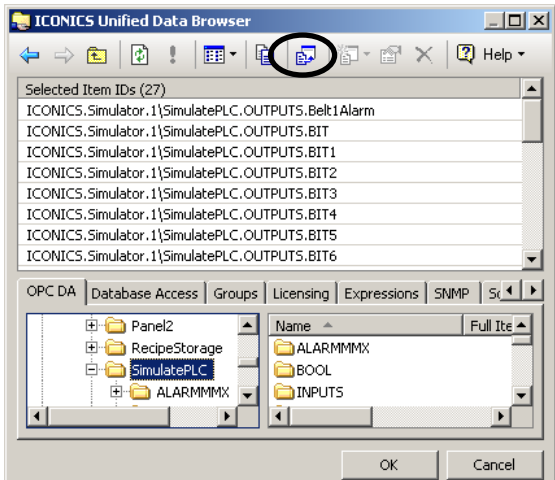


Figure 4 - Adding Multiple Tags

Using Remote OPC Tags

You can also select remote OPC Tags in the Unified Data Browser by going to Network Neighborhood or Internet. When you click on Network Neighborhood, the list of computers on your network would be shown. You can then select the

computer that your OPC server is on to select the remote data tag. A similar process is used for going through Internet.

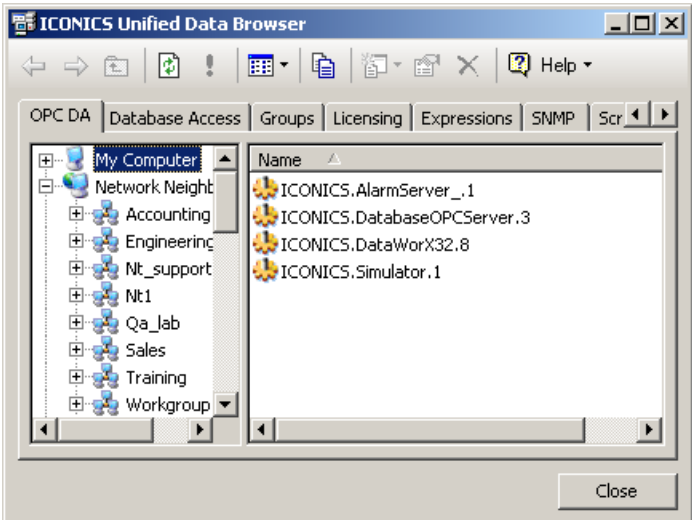


Figure 5 - Selecting Remote OPC Data

Adding Favorites

You can add frequently used OPC Servers or Nodes to Favorites. This allows for faster browsing and adding tags that are used on a regular basis.