



Description: Guide to using the Data Mining ActiveX Grid Control in GraphWorX32.

OS Requirement: Windows 2000, 2003, XP.

General Requirement: GENESIS32 version 8.0 installed.

Inserting the ActiveX

1. Open GraphWorX32 and insert a **Data Mining ActiveX Control** by clicking the ICONICS Data Mining ActiveX

button  on the ActiveX toolbar.

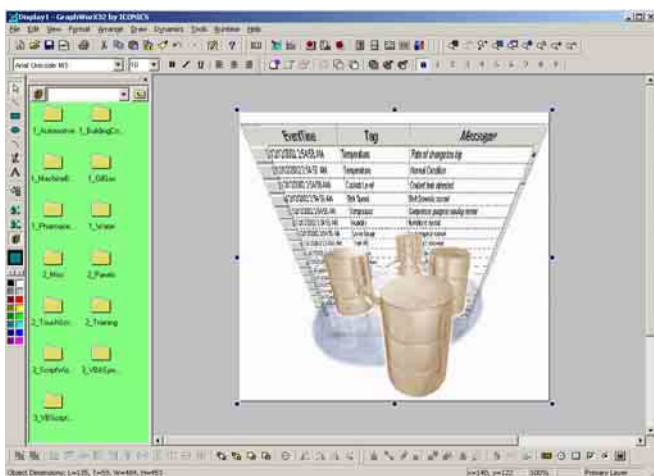


Fig. 1

2. Double click on the ActiveX and the **Properties** window will appear. The ActiveX control contains **General**, **Fonts**, **Column Alias**, **Web Access** tabs, as shown in Fig. 2.



Fig. 2

ActiveX Properties

1. Under the **General** tab, it is possible to choose two different data source types (**ADO** and **Data Mining**). These two types of data sources will be explained more later.
2. The Data Mining ActiveX Properties dialog box allows the user to save the settings in a **Configuration File (*.dbm)**. Click **Load/Save As** to open or save the Configuration File. By default, information is stored as part of the container application's document file. You can also store information

as part of a separate file. If **URL Path** is selected, the ActiveX will use the specified network URL path upon loading the file.

NOTE: The ActiveX cannot be saved to a URL path. To create a URL file, save a configuration to a local file and copy the file to the desired network location.

3. You can insert a **Global Alias** for the title or configuration file.
4. **Auto update** allows you to configure how often data has to be updated at runtime.
5. The **Fonts** tab allows you to edit the fonts of the ActiveX.
6. The **Column Alias** tab allows you to customize, i.e. show or hide each table column.
7. The **Web Access** tab allows you to configure for access of the currently connected ADO database over the Internet via a Remote Data Service (RDS).

ADO Data Source Type

The **ADO Data Source** allows visualization of data stored in a database by connecting directly to the database.

1. If you press the **Connection Parameters** button on the **General** tab, the **Data Source Connection** window will appear.

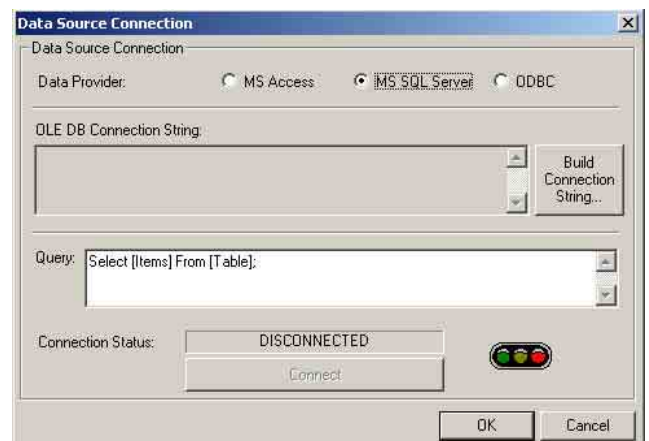


Fig. 3

2. Choose a data provider (MS Access, MS SQL Server or ODBC) and then press the **Build Connection String** button.

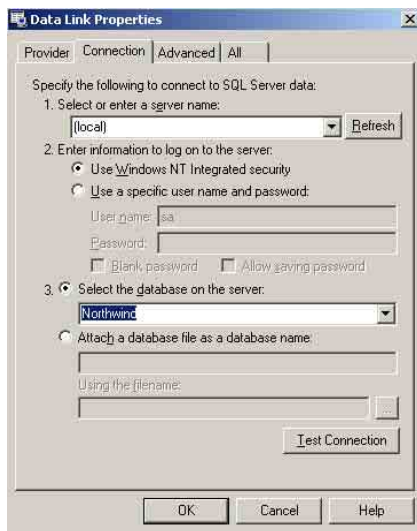


Fig. 4

3. Enter the **Server Name** and the correct authentication information, select the database on the server, and then click **Ok**. The **Data Source Connection** will be updated with the right OLE DB connection string.
4. Now, write an **SQL Query** to query the database to visualize the required data. Click **Connect** when finished.



Fig. 5

5. The **Connection Status** should show **Connected** and the traffic light will turn green. Click **OK** to close this window.
6. To view the data, click on **Runtime** in GraphWorX32. The data will appear as shown in Fig. 6.

	OrderID	CustomerID	EmployeeID	OrderDate
1	10248	VINET	5	7/4/1996
2	10249	TOMSP	6	7/5/1996
3	10250	HANAR	4	7/8/1996
4	10251	VICTE	3	7/8/1996
5	10252	SUPRD	4	7/9/1996
6	10253	HANAR	3	7/10/1996
7	10254	CHOPS	5	7/11/1996
8	10255	RICSU	9	7/12/1996
9	10256	WELLI	3	7/15/1996
10	10257	HILAA	4	7/16/1996
11	10258	ERNSH	1	7/17/1996
12	10259	CENTC	4	7/18/1996
13	10260	OTTIK	4	7/19/1996
14	10261	QUEDE	4	7/19/1996

Fig. 6

7. If desired, the **Web Access** tab of the Data Mining ActiveX Properties dialog box, allows access to the currently connected database over the Internet via a Remote Data Service (RDS). The RDS, which is hosted by an Internet Information Server (IIS), enables the downloading of data from the connected database to a client over the Internet. Simply specify the URL name or IP address of the primary IIS Web server in the **Primary Internet Information Server for RDA** field. The **Max. Number of database records to download** field specifies the size of the record set portion in the database records.
8. It also possible to designate a redundant IIS Web server by specifying the URL name or IP address of the redundant IIS Web server in the **Backup Internet Information Server for RDA** field.

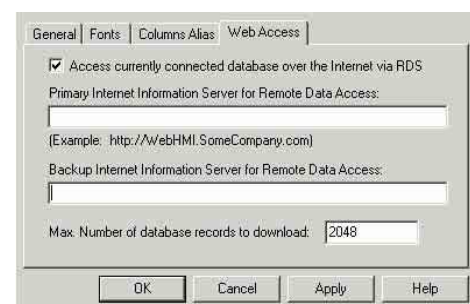


Fig. 7

Data Mining Data Source Type

Data Mining allows visualization of data stored in a database through the **ICONICS DBOPC Server** application in the form of OPC tags.

1. Choose the **Data Mining** radio button in the **Data Mining ActiveX properties** window and click on **Connection Parameters**.



GraphWorX32 Data Mining ActiveX

APPLICATIONS NOTE

August 2004

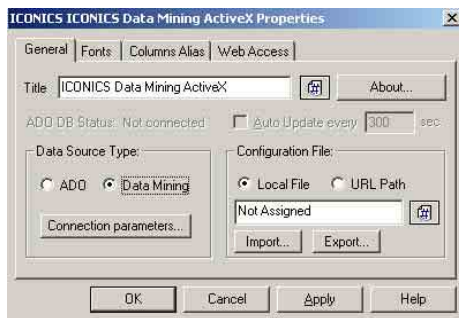


Fig. 8

- To create a connection to a Data Mining data source, click the **Add Tags** button.

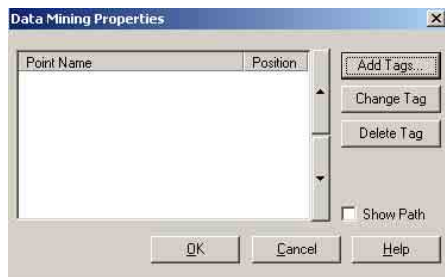


Fig. 9

- This opens the **Unified Data Browser** so you can select one or more data tags from it. You can choose one or more tags from Unified Data Browser.

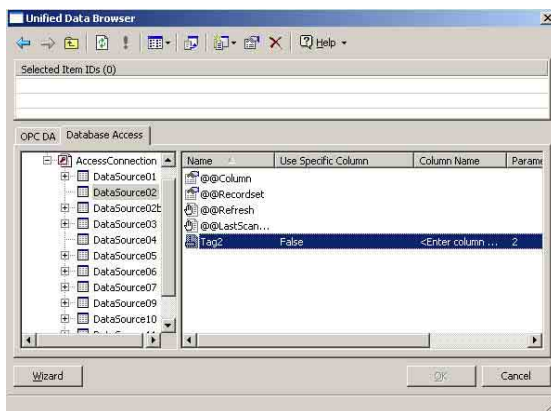


Fig. 10

- To view the data related to the selected tags, put GraphWorX32 in Runtime mode.

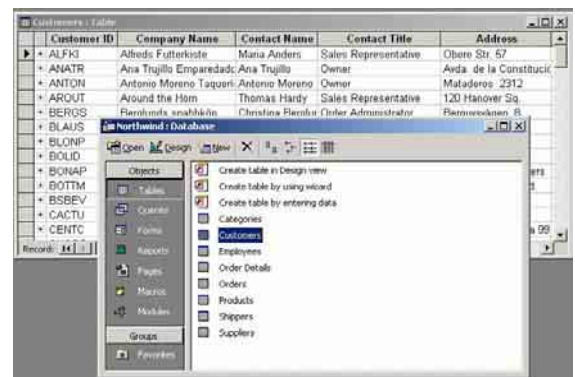


Fig. 11

- To select a tag located on a remote machine, browse to the tags through the **Network Neighborhood** branch of the **Universal Data Browser**.

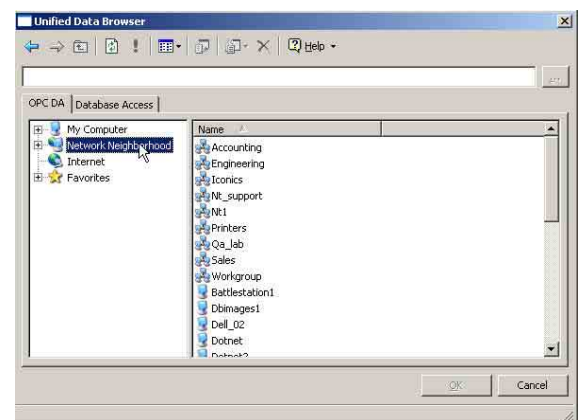


Fig. 12

- The **Columns Alias** tab allows you to create column names and associate each name with a column that is displayed in the Data Mining ActiveX Grid, as shown in **Fig. 13**.

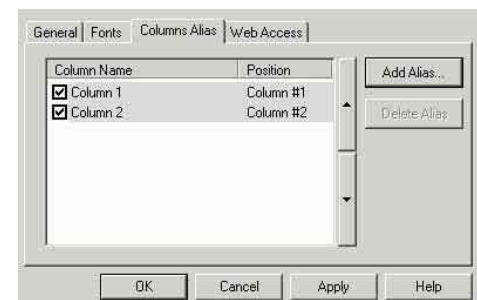


Fig. 13