

# **OpenEnterprise SQL View Reference Guide (V2.83)**

## Contents

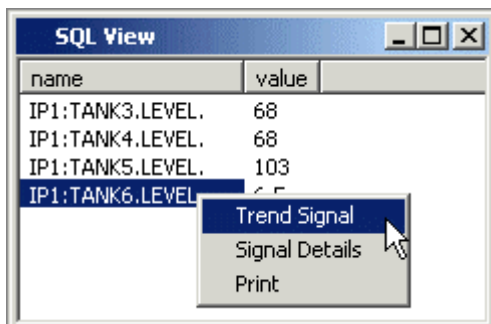
<b>1</b>	<b>SQL View .....</b>	<b>1</b>
1.1	SQL View Overview .....	1
1.2	Configuring the .DBX File .....	1
1.2.1	Configuring the .DBX File .....	1
1.2.2	Start Database Explorer .....	2
1.3	Configuring the SQL View.....	2
1.3.1.1	1. From the Configure Menu .....	2
1.3.1.2	Within the OpenEnterprise Desktop.....	2
1.3.1.3	Within the SQL View Container .....	2
1.3.1.4	2. Using CTRL + M .....	3
1.3.1.5	The Properties Context Menu .....	3
1.4	The Property Pages .....	3
1.4.1	The DBX Page.....	3
1.4.1.1	The DBX Page .....	3
1.4.1.2	DBX Filename .....	3
1.4.1.3	Browse Button.....	3
1.4.1.4	Enable File .....	4
1.4.2	The SQL Page.....	4
1.4.2.1	The SQL Page .....	4
1.4.2.2	Defined Database .....	5
1.4.2.3	Active .....	5
1.4.2.4	Enable Query .....	5
1.4.2.5	SQL Statement Pane .....	5
1.4.3	The Time Zone Page.....	5
1.4.3.1	The Time Zone Page .....	5
1.4.3.2	Use Time Zones.....	5
1.4.3.3	Time Zone .....	5
1.5	Runtime Mode.....	6
1.5.1	SQL View Window in Runtime.....	6
1.5.2	Custom Context Menus.....	6
1.5.3	Sorting on Columns .....	6
<b>2</b>	<b>Index .....</b>	<b>7</b>

# 1 SQL View

## 1.1 SQL View Overview

The SQL View is a container that enables the user to: -

- Display the results of previously saved Database Object View queries (.DBX files) in a window within the OpenEnterprise Desktop;
- Embed pre-configured Database Object Viewer queries within an OpenEnterprise Graphics display;
- Create custom context menus to use the results of one query to display another query or launch a Trend View based on an Operator selection (see below).



## 1.2 Configuring the .DBX File

### 1.2.1 Configuring the .DBX File

The SQL View is a container for OpenEnterprise .DBX files.

Configuration of a (.DBX) file for display by the SQL View component is performed using the Database Object Viewer. The Database Object Viewer is an extension of the Database Explorer View application.

The procedure for creating a .DBX file is as follows:-

1. Open the Database Explorer.
2. Confirm a connection to the database.
3. Open the Database Object Viewer.
4. Create a Query
  - Select the Table
  - Select the Attributes
  - Define the Conditions
  - Create an OpenEnterprise Menu (optional)

- 5. Save the query as a .DBX file

### 1.2.2 Start Database Explorer

This is done by selecting the Windows **Start** button and then **Programs>>OpenEnterprise>>Database Explorer**.

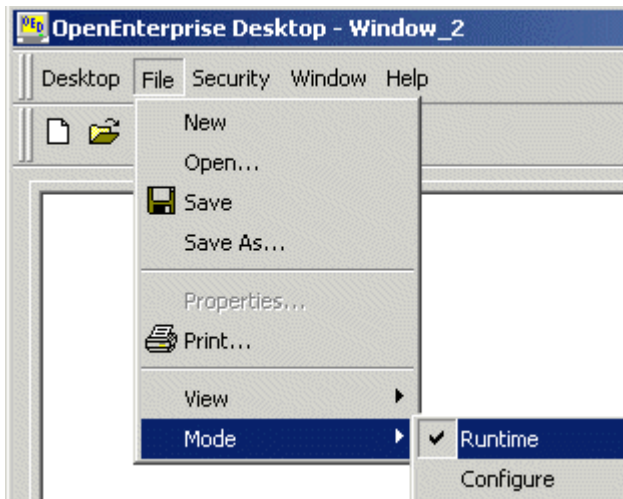
## 1.3 Configuring the SQL View

It is possible to open a new SQL View window within the Desktop, and to configure it to run a previously saved DBX file by accessing it's Property Pages. To access the SQL View's Property Pages it is necessary to place the SQL View into configuration mode. There are two ways to do this.

### 1.3.1.1 1. From the Configure Menu

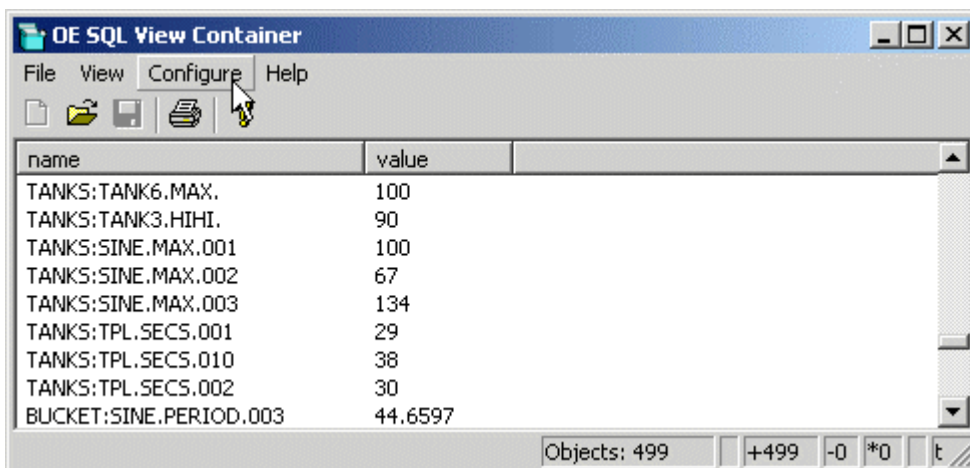
#### 1.3.1.2 Within the OpenEnterprise Desktop

Click on the SQL View window and then select the **File>Mode>Configure** menu item from the Desktop's menu bar.



#### 1.3.1.3 Within the SQL View Container

The SQL View container can be run outside of the OpenEnterprise Desktop. It is opened from the Windows **Start>Programs>OpenEnterprise>SQL View** menu. Select the **Configure** menu item to place the SQL View into configure mode.

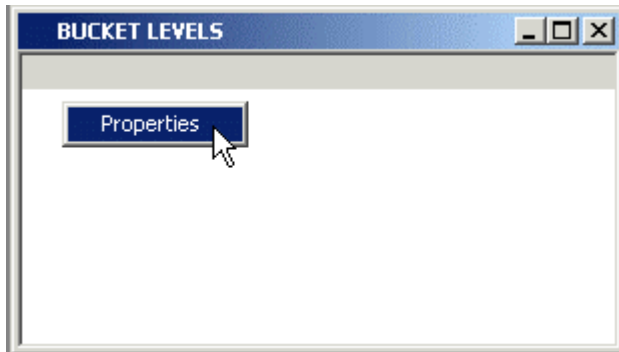


1.3.1.4 2. Using CTRL + M

Any OpenEnterprise View can be quickly toggled between runtime and configure mode by selecting its window and then pressing the **CTRL** and **M** keys simultaneously on the computer keyboard.

1.3.1.5 The Properties Context Menu

Once the SQL View is in Configure mode, right click on the SQL View to reveal its properties menu . Select 'Properties' to display the Property Pages for the SQL View.

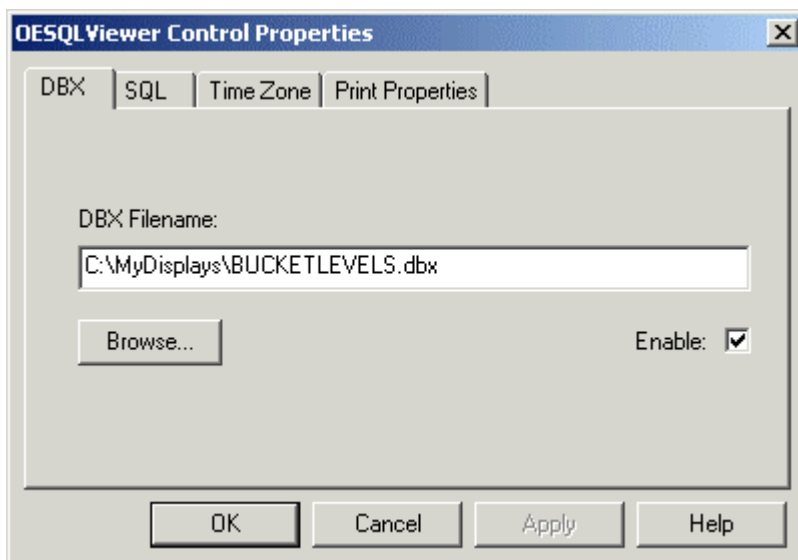


1.4 The Property Pages

1.4.1 The DBX Page

1.4.1.1 The DBX Page

The DBX page enables the user to configure an associated DBX file to load into the SQL View container.

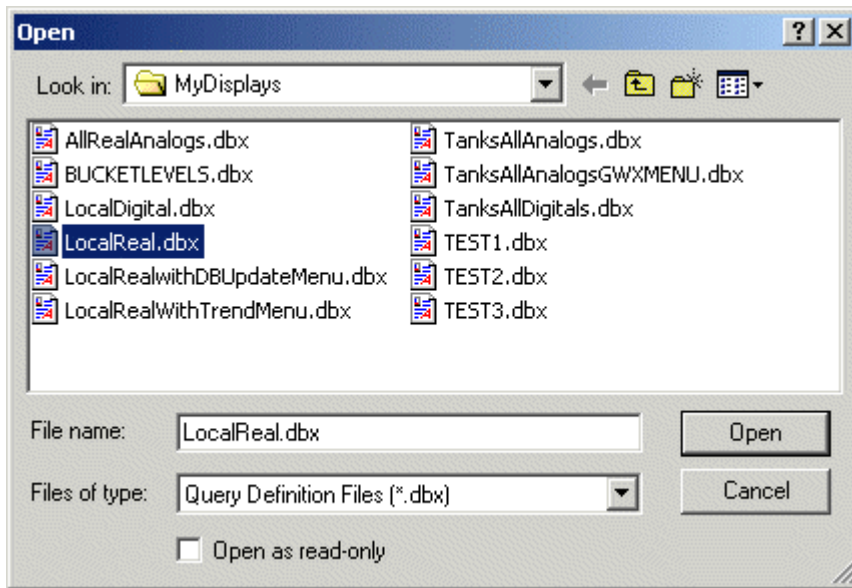


1.4.1.2 DBX Filename

This field contains the name of any associated .DBX file. The filename can be entered in from the keyboard or the Browse button may be selected, which opens an Open file dialog so that the user can look for and open .DBX files into the SQL View container.

1.4.1.3 Browse Button

Select the [Browse] button to browse the Computer's hard disk for .DBX files.



When a file has been found its Path is entered automatically into the 'DBX Filename:' field.

#### 1.4.1.4 Enable File

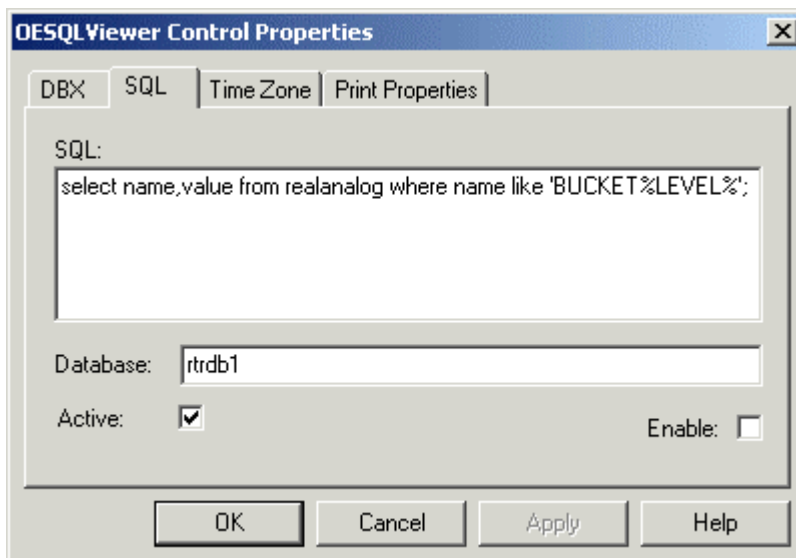
If this box is checked then the .DBX file specified in the 'DBX Filename:' field becomes activated when the SQL Viewer is placed into Runtime Mode. Checking this box automatically unchecks the **[Enable]** box on the SQL Page.

If the box is unchecked, and the SQL Viewer is placed into Runtime Mode it will ignore the .DBX file specified here and will run any query instead which has been placed in the editing box on the SQL Page, providing that page has been enabled.

### 1.4.2 The SQL Page

#### 1.4.2.1 The SQL Page

This page enables the user to specify a new query to be used by the SQL Viewer, configure the query as active or static and to enable or disable the defined query.



**1.4.2.2 Defined Database**

This field contains the database which will be queried.

**1.4.2.3 Active**

If this box is checked then the query will become an active query. That means it will automatically refresh when values satisfied by the query change.

**1.4.2.4 Enable Query**

When checked, the query specified in the SQL editing box on this page will be used rather than the query in the .DBX file on the DBX Page. Checking this box will automatically uncheck the **[Enable]** box on the DBX Page.

**1.4.2.5 SQL Statement Pane**

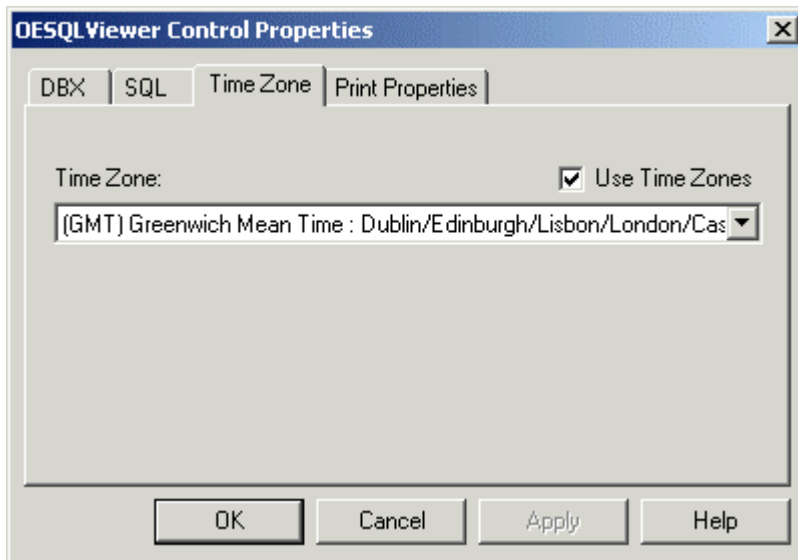
This pane contains an editable text field where the database query can be typed in. If a DBX file has been defined, it will contain the query from the DBX file, which can be edited, but not saved from here.

**1.4.3 The Time Zone Page**

**1.4.3.1 The Time Zone Page**

This page allows the user to alter the time zone in which any date and time value retrieved from the database is displayed.

Click the hotspots\* on the dialog below for help on each feature, and also to navigate to the other Property pages.



**1.4.3.2 Use Time Zones**

If the **[Use Time Zones]** box is unchecked the 'Time Zone' field becomes greyed out and disabled.

To change the Time Zone for the SQL Viewer the **[Use Time Zones]** box must be checked, and the drop-down list is then enabled, and a new Time Zone may be selected.

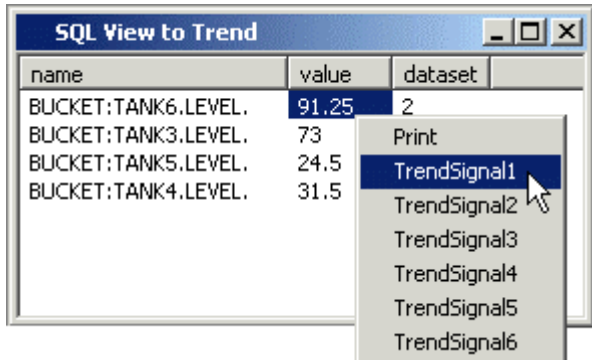
**1.4.3.3 Time Zone**

When selected, a list of all available time zones is displayed for selection by the user. The SQL View will display any Date/Time values according to the selected time zone.

## 1.5 Runtime Mode

### 1.5.1 SQL View Window in Runtime

This is an example of a configured .DBX file being displayed in an SQL View container within the Desktop.



### 1.5.2 Custom Context Menus

Queries can be configured with Custom Context menu items which open other OpenEnterprise Client components, passing parameters to the other component.

During Runtime this gives the Operator the ability to navigate from one OpenEnterprise component to another showing the selected object in a different manner (ie a signal from an SQL Viewer to an OpenEnterprise Graphics display mimic of the same signal).

### 1.5.3 Sorting on Columns

The query may be sorted in ascending / descending order on any attribute by clicking on the column heading.



## 2 Index

### A

Active..... 7

### B

Browse Button..... 5

### C

Columns..... 8

Configuring..... 4

    SQL View..... 4

Custom Context Menus..... 8

### D

DBX File..... 3

DBX Filename..... 5

DBX Page..... 5

Defined Database..... 6

### E

Enable..... 6

Enable Query..... 7

### O

OE SQL View Overview..... 3

### R

Runtime..... 7

### S

SQL Page..... 6

SQL Statement Pane..... 7

SQL View..... 4

    Configuring..... 4

SQL View Window..... 7

Start Database Explorer..... 4

### T

Time Zone..... 7

Time Zone Page..... 7

### U

Use Time Zones..... 7

## Reference Guide

D301549X412

APRIL 2012

---

### DISCLAIMER

Bristol, Inc., Bristol Babcock Ltd, Bristol Canada, BBI SA de CV and the Flow Computer Division, are wholly owned subsidiaries of Emerson Electric Co. doing business as Remote Automation Solutions ("RAS"), a division of Emerson Process Management. ROC, FloBoss, ROCLINK, Bristol, Bristol Babcock, ControlWave, TeleFlow and Helicoid are trademarks of RAS. AMS, PlantWeb and the PlantWeb logo are marks of Emerson Electric Co. The Emerson logo is a trademark and service mark of the Emerson Electric Co. All other marks are property of their respective owners.

The contents of this publication are presented for informational purposes only. While every effort has been made to ensure informational accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. RAS reserves the right to modify or improve the designs or specifications of such products at any time without notice. All sales are governed by RAS' terms and conditions which are available upon request. RAS does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any RAS product remains solely with the purchaser and end-user.

Engineered and supported by:

Remote Automation Solutions,

Blackpole Road, Worcester, WR3 8YB, UK

Registered office: Meridian East, Leicester, LE19 1UX

Registered in England and Wales, Registration No. 00671801

VAT Reg No. GB 705 353 652

**Emerson Process Management**  
**Remote Automation Solutions**  
1100 Buckingham St  
Watertown, CT 06795  
T 1 (860) 945 2200  
F 1 (860) 945 2278  
[www.EmersonProcess.com/Remote](http://www.EmersonProcess.com/Remote)  
[binfo@EmersonProcess.com](mailto:binfo@EmersonProcess.com)

**Emerson Process Management**  
**Remote Automation Solutions**  
Blackpole Road  
Worcester, WR3 8YB  
T 44 (0) 1905 856848  
F 44 (0) 1905 856930  
[www.EmersonProcess.com/Remote](http://www.EmersonProcess.com/Remote)  
[oedsupport@EmersonProcess.com](mailto:oedsupport@EmersonProcess.com)

