



TrendWorX64 Viewer

Time Zones, Global Cursors



APPLICATION NOTE

June 2017

Description: This application note will show you how to set up different time zones and global Cursors (a cursor shared with several charts) in your TrendWorX64 Viewer.

General Requirement: Familiarity with the TrendWorX64 Viewer.

How to Set Up Time Zones

Using time zones you can align your data from multiple devices around world. This feature will allow you to see your data as it was seen on site in a different country or time zone.

1. In GraphWorX64, add a TrendWorX64 Viewer to your display.
2. Double click on your trend or click on the Configure button.
3. Select your pen, and under the General tab you will see the Time Zone field. Click on the "..." button to configure your time zone.

NOTE: If you leave it empty, it will use your current local computer setup or you can configure this in Hyper Historian.

4. Select your time zone from the dropdown or fill in a time shift value. Now your data will be displayed in the given time zone.

NOTE: When using "Time shift only" the viewer will not automatically adjust for daylight savings time.

5. Now your data from Data Source automatically align according to Time Zone.

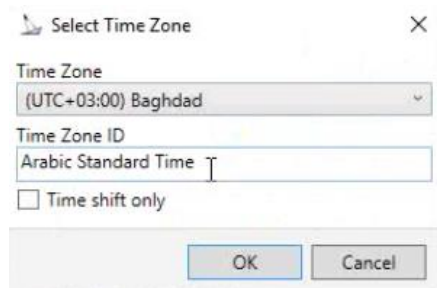


Figure 1 - Time Zone ID - Written format

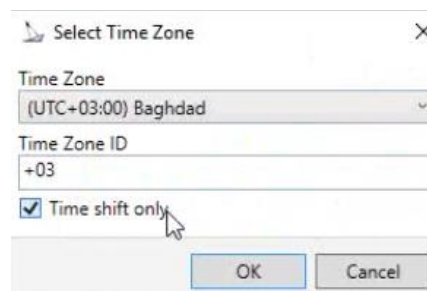


Figure 2 - Time Zone ID - Numeric format

It is possible to use Global Aliasing or Expressions for the Time Zone ID. Also in

On the Data tab you have option to enable and disable Time Zones Alignment altogether.

How to Set Up Global Cursors

With global Cursors you can synchronize the cursors between two or more TrendWorX64 Viewers, making it easier to analyze multiple trends at once.

For global cursors, the cursor position is connected to a local simulation field which is used to synchronize the cursors. Global cursors can be configured as:

- **Read** – Can only receive its position from another global cursor.
- **Write** – Can control the position of other cursors, but not be controlled by others.
- **Read and Write** – These cursors can both send and receive their position from other global cursors.

To configure a global cursor:

1. In GraphWorX64, add a TrendWorX64 Viewer to your display.
2. Click on **Start Frozen** on the Chart ribbon.
3. Enable global cursors by clicking on the **Global** button and selecting **Read and Write**.
4. Duplicate your chart or add a brand new one.
5. Cursors can be configured by clicking on the "more" icon for the section.



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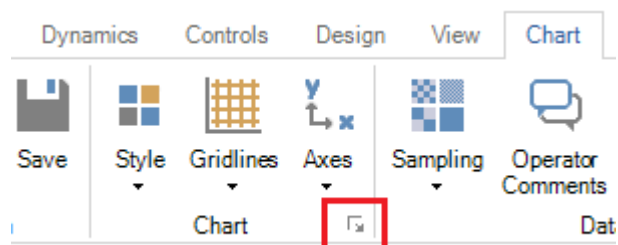


Figure 3 - Launch Chart Configuration

6. In the Chart Configuration dialog, go to the Cursors tab.
7. Edit the Data Source. Make sure the cursors for both of your trend viewers are using the same data source.

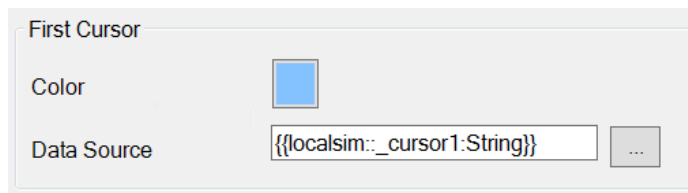


Figure 4 - Cursor data source

8. Go into runtime. You should be able to move the cursor in one viewer, and the cursor of the other viewer should move to match.

Global cursors can be very powerful. You can use the `localsim::_cursor` variables in GraphWorX64 anywhere you would use another data source, and you can put other DA tags into the cursor's data source field to control your cursor remotely.