

GENESIS64 – Tracing, Diagnostics and Troubleshooting

GenEvent Server

While TraceWorX is quite a complex troubleshooting tool that you may turn on, independently customize trace levels, and maintain your logs, you can take advantage of another simple tool to track standard application events in GENESIS64 suite.

Almost all GENESIS64 components post messages to the internal Event Server called GenEvent Server. This server is an OPC AE server that your clients can subscribe to, which allows you to view informational messages. These messages contain basic status information about applications, operator changes, etc. The most common way to view them is by means of the AlarmWorX64 Viewer.

1. Insert **AlarmWorX64 Viewer** from the GraphWorX64 Ribbon.
2. Subscribe this control to the **Event Logger** server.

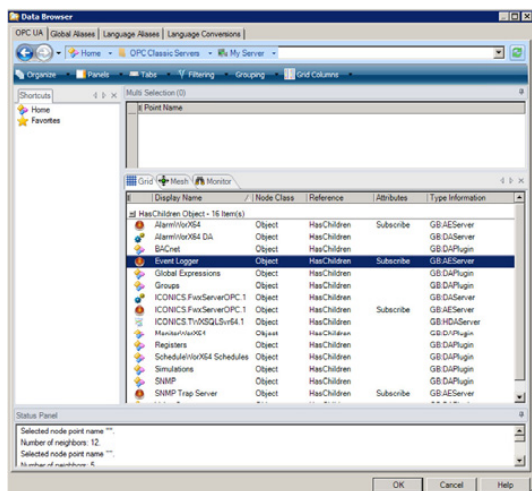


Figure 3 - GenEvent Server Selection in Data Browser

NOTE: In order to find more information on how to create subscriptions and customize AlarmWorX64 Viewer see corresponding application notes in AlarmWorX64 section.

3. View the ICONICS application events in GraphWorX64 runtime

Time / Date	Tag	Priority	Type	Quality	Description
5/21/2012 12:21 PM	AWXSvr64	500		Good	License Enabled
5/21/2012 12:21 PM	AWXSvr64	500		Good	ICONICS AlarmWorX64 Server Started.
5/21/2012 12:20 PM	AWXSvr64	500		Good	ICONICS AlarmWorX64 Server Stopped.
5/21/2012 12:18 PM	AlarmWorX64	500		Good	AlarmWorX64 Viewer is correctly connected to...

Figure 4 - Genesis Events in AlarmWorX64 Viewer

NOTE: If you exit runtime, all event messages will permanently disappear from the AlarmWorX64 Viewer. You will not be able to retrieve them unless you had stored them by means of AlarmWorX64 Logger.

Event Viewer

For your convenience ICONICS implemented the option to show all GenEvent messages in Microsoft Event Viewer so that you can easily store and review them together with other application event messages. All these application event messages are stored in **Application** section of **Windows Log**.

1. Select **FrameWorX** configuration tab in your Workbench.
2. Having expanded the FrameWorX server tree control, start to edit **GenEvents** item.

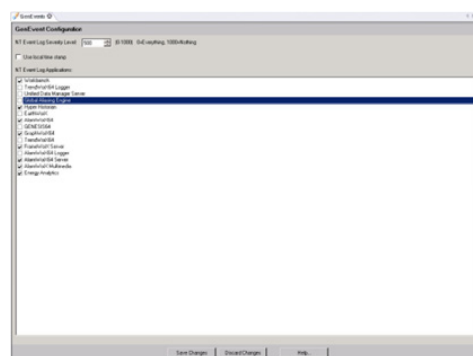


Figure 5 - GenEvent Configuration Tab

3. Mark all applications you want to post events to Event Viewer.
4. Click **Save Changes** and take advantage of Event Viewer.

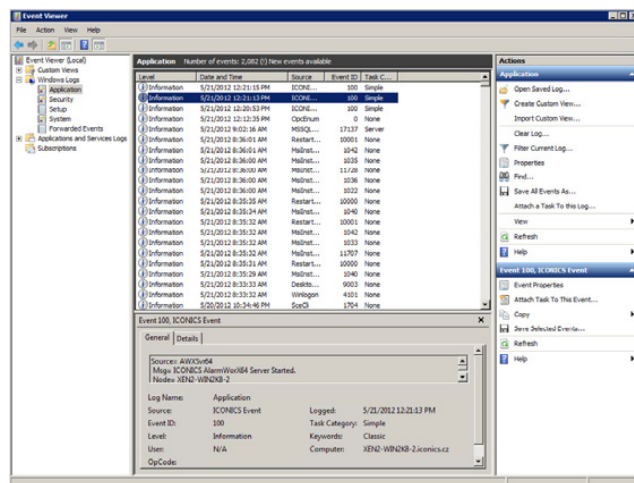


Figure 6 - Event Viewer Application

NOTE: All ICONICS application messages come from *ICONICS Event* source and can be identified as such among other Application events.

5. Event Viewer can be launched from Administrative Tools that you may open from Windows Control Panel.