

Description: Guide to configuring and running the AlarmWorX32 container.

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

General Requirement: There is an active AlarmWorX32 Server Configuration and AlarmWorX32 Logging Configuration with data in the logging database.

Introduction

April

The AlarmWorX32 suite allows you to configure, log, and view alarms. This document will focus on viewing your alarms and alarm log. Like GraphWorX32, it is capable of hosting multiple alarm viewers and reports as well as supports VBA Scripting.

You can view alarms generated using the Alarm Viewer ActiveX. You can also view the alarms or events that you have logged by using the Alarm Report ActiveX. Although you could achieve the same using GraphWorX32, the alarm container is a simpler interface to generate your display. You must generate your alarm viewer displays in the alarm container for Pocket GENESIS. This document will go through the steps to view alarms and an alarm report.

Configuring Alarm Viewer

1. Start AlarmWorX32 container by going to Start → Programs → ICONICS GENESIS32 → AlarmWorX32 → AlarmWorX32
2. You should already have a container opened. If not, select File → New from the menu.
3. Click on the “Alarm Current Viewer ActiveX”  button in the main toolbar to insert and Alarm Viewer.
4. Double-click on the Alarm Viewer to bring up the Properties dialog.
5. In the Subscription tab, select the GenEvent Server and delete it. We will not be viewing events.
6. In the Column tab, select the alarm attributes that you want to display in the viewer and move them into the Selected Headers column.

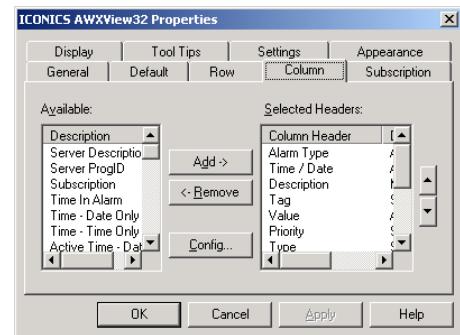


Figure 1 - AlarmViewer32 Properties Column

7. Click on “OK” to save the viewer configuration and exit.

Configuring Alarm Report Viewer

1. Click on the “Alarm Report ActiveX”  button to insert the Alarm Report ActiveX.
2. Double-click on the ActiveX to bring up the properties.
3. Click on the “Connection parameters...” button
4. You can either connect to a database of your choice or you can follow the next few steps to connect to the demo alarm logging database.
5. Select MS Access as your Data Provider
6. Click on the “Build Connection String...” button.
7. Browse to C:\Documents and Settings\All Users\ICONICS\Examples32\AwxLogData.mdb
8. Test the connection to the database and make sure it succeeds.
9. Return to the Database Connection Dialog, select the EventLog table and click on the “Connect” button.

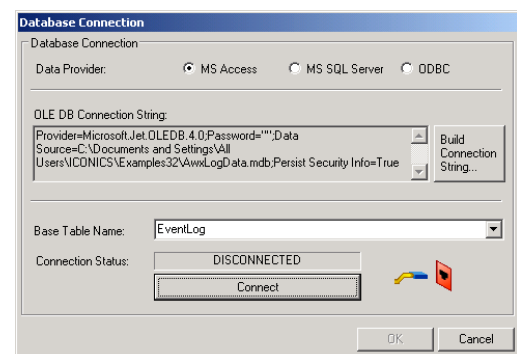


Figure 2 - Database Connection Dialog

10. Click “OK” until you are back in the AlarmWorX32 container.
11. Click on the “Enter Runtime”  button to view your display with data.

Alarm1

Time / Date	Description	Tag	Value	Priority	Type	Quality
1:00:02 PM 5/11/200	/+Awv/LimitTemp/HHH+/	/+Temperat	91	600	HHH	Good - Non-Specific
12:59:58 PM 5/11/20	Value exceeds 6.2	VCR_Statio	6.4928386	500	HI	Good - Non-Specific
12:59:58 PM 5/11/20	Value is below 3.0	VCR_Sant	2.7071613	500	LO	Good - Non-Specific
12:59:58 PM 5/11/20	/+Awv/Operation/Pres/HHH+/	/+Pressure	72	650	HHH	Good - Non-Specific
12:59:58 PM 5/11/20	/+Awv/RateOfChange/Temp/Normal+/	/+Temperat	91	500	Rate of Change	Good - Non-Specific
12:59:58 PM 5/11/20	Arm Torque is High	Arm Torque	60	500	HI	Good - Non-Specific
12:59:54 PM 5/11/20	Everything is OK now.	VCR_Pump	72.707161	500	HI	Good - Non-Specific
12:59:50 PM 5/11/20	Coolant level is low. Possible leak?	Coolant Lev	52	600	LO	Good - Non-Specific
12:59:45 PM 5/11/20	/+Awv/Limit/Pres/HHH+/	/+Pressure	55	600	HHH	Good - Non-Specific
12:59:36 PM 5/11/20	Belt1 on the Box Line is slow	Box Line	21	400	LO	Good - Non-Specific
12:59:33 PM 5/11/20	Comp humidity is normal	Humidity	26	400	LO	Good - Non-Specific

AWWRep32 - [EventLog]

EventTime	Tag	Message
10/2/2002 9:37:31 AM	Alkaline Level	Alkaline level in Tank1 is too low. Contents are basic.
10/2/2002 9:37:31 AM	Ash Content	Ash Content of Tank1 is too low. Contents are acidic.
10/2/2002 9:38:11 AM	Belt Speed	Belt Speed is normal.
10/2/2002 9:37:31 AM	Box Line	Belt1 on the Box Line is slipping.
10/2/2002 9:38:11 AM	Compressor	Compressor gauge is reading normal.
10/2/2002 9:38:11 AM	Coolant Level	Coolant leak detected.
10/2/2002 9:37:55 AM	Critical Mass	Critical Mass is ok.
10/2/2002 9:38:11 AM	Humidity	Humidity is normal.
10/2/2002 9:38:11 AM	Level Gauge	Level gauge is normal.
10/2/2002 9:37:55 AM	Pressure	Tank2 PSI in valve1 is normal.

Figure 3 - Runtime Mode