AlarmWorX32 Logger – Alarm Logger Quick Start

APPLICATIONS NOTE

April 2010

Description: Guide to configuring and running the Alarm Logger
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: Installation of AlarmWorX32

Introduction

AlarmWorX32 Logger offers a way to archive any alarms or events that occurred. The alarm logger is an OPC A/E Client, that you could subscribe to either alarm or event servers to log information. Once the server sends the information to the logger, it is all logged into the specified database (i.e. MS Access, MS SQL, Oracle, etc). This functionality provides a clean record keeping method.

The default configuration database that ships with the product is ready to be used. It shows you all the names of the columns that will appear in the log database. It already has a subscription to the alarm server and the GenEvent server and it even requests additional alarm attributes.

The only thing left for you to do is to tell the logger where it needs to log the data to. You will need to make a Data Source Name (DSN). This document will guide you through a simple Logger Configuration.

Configuring the Alarm Logger

1. Click Start → Programs → ICONICS GENESIS32 → AlarmWorX32 → Alarm Logger Configurator to start the **Alarm Logger Configurator**.
2. Select File → Save As and specify a name for your new configuration database.
3. Select File → Make Active from the menu. And select "Yes" to activate your Database
4. In the tree control on the left-hand pane, double click on **Configurations** and select your appropriate configuration.

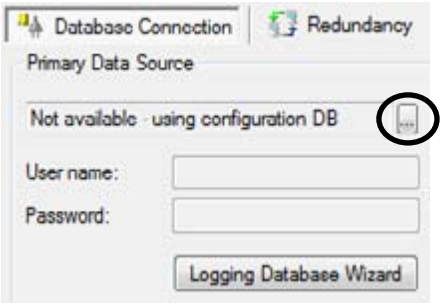

Figure 1 - Selecting a Data Source

5. Click the ODBC data source button, circled in red in **Error! Reference source not found.**.
6. In the dialog that pops up, select the **Machine Data Source** tab and click on the "New…" button near the bottom of the dialog
7. Select **System Data Source** and click Next
8. Select **Microsoft Access (*.mdb) driver** and click **Next**. Click **Finish** on the next screen.
9. Give the data source a name and click on the "Create…" button

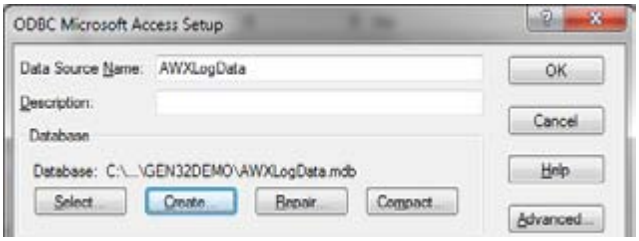

Figure 2 - ODBC Microsoft Access Setup

10. Give the logging database a name.

    NOTE: This database is different from the configuration database that you have saved in step 2. Please do not use the same database.

11. A message box will pop up confirming that the database has been created.
12. Click OK a few times until you're back in the alarm configuration dialog. You will be asked to log in to the database, you can leave everything blank in that dialog and click "OK"
13. Click the "Apply" Button in order to apply the changes
14. To start the logger, start GenTray from Start → Programs, → ICONICS Tools → Genesis32 Tray. You will see a pink triangle near your system clock.
15. Click on the pink triangle, select AlarmWorX32 → Logger → Start. This will start your Alarm Logging.
16. To view your logged alarms, you can open your database or use the AlarmWorX32 Report ActiveX. Please refer to the application note entitled *AlarmWorX32 Logger – Report AcitveX Quick Start*.

Advanced Logger Capabilities

The logger can log translated alarms using languages aliases and the language aliases will then be resolved into the proper language and stored to the database. Please refer to the application note entitled *AlarmWorX32 Logger - Global Aliasing Quick Start* for more details.

One can change the **Subscription** of the alarm logger to ask alarm server only the most relevant data you want to log. From this data, you can even add a filter that selects only a subset from the alarm data. Please refer to the help files for more information.

Copyright 2010 ICONICS, Inc.