



VCRWorX32 - Auto Configuration Setup of AlarmWorX32

APPLICATIONS NOTE

August 2004



Description: Guide to setting up alarms from the Unified Data Configurator.

OS Requirement: Windows 2000/NT/XP/2003.

General Requirement: GENESIS32 version 8.0 is installed on the machine.

The Unified Data Configurator allows us to configure alarms and trends at the same time by selecting tags from a GraphWorX32 display.

Steps: AlarmWorX32 Server

1. Open **Unified Data Configurator (UDC)** from **Start → Programs → ICONICS GENESIS-32 → Tools → Unified Data Configurator**. The application will look like **Figure 1**.

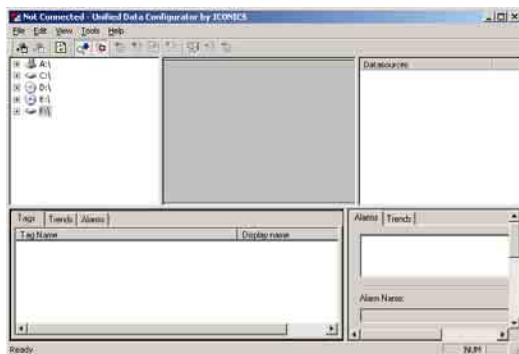


Figure 1

2. Go to **File menu → Connect to Configurations**. The **Connect to Configuration Databases** window will open, as shown in **Figure 2**.

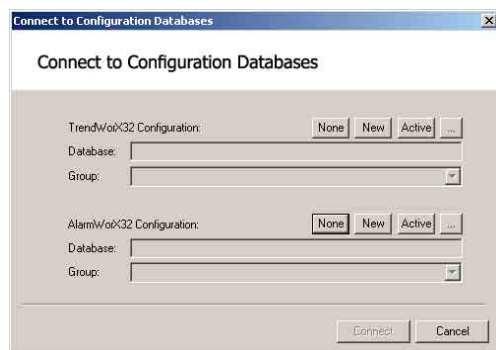


Figure 2

- **None:** If you want to connect to only alarms then click on **None** for Trends (or vice versa).
- **New:** If you want to create a new configuration, then click on **New**.

- **Active:** If you would like to make changes to the current active Configuration, then click on **Active**.
 - **Browse:** If you already have a configuration and would like to browse for it, click on the "..." button.
3. We select **New**, and it will ask where to want to save the file, and the filename. Specify both and click on **Connect**.
 4. On the top left, a tree control allows you to browse for your GraphWorX32 display. After selecting your display, all the tags in that display will be listed in the right window.

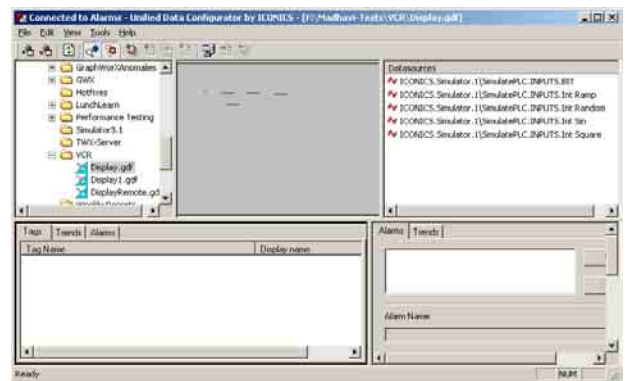


Figure 3

5. To add the listed tags, right click and choose either **Add All Tags**, or **Add Selected Tags**.

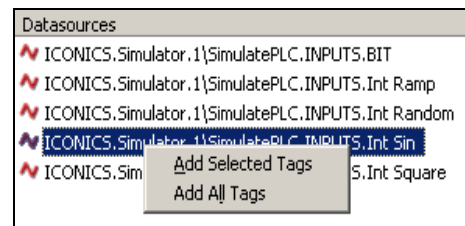


Figure 4

6. After you add the tags, the tags will be visually marked with a different icon, to indicate that they are added. They will also be listed in the bottom left window.

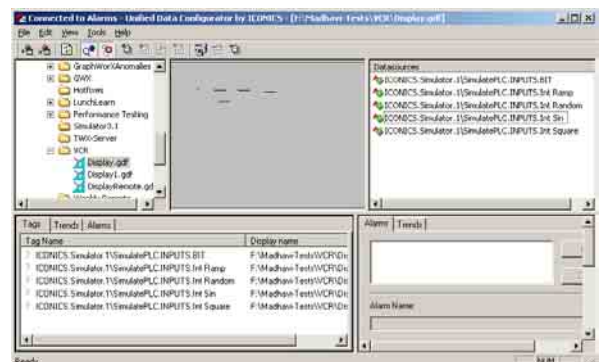


Figure 5

- You can select all the tags in the bottom left window at once, and right click. Here you have the option to set all the tags as alarms or trends at once. In this example, **Add Trends** is not enabled, since we connected only to an AlarmWorX32 Configuration.

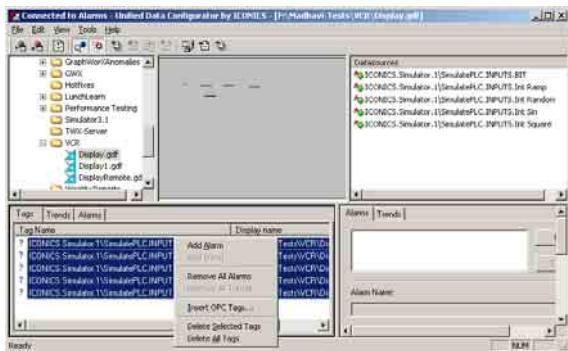


Figure 6

- After you add the tags as alarms, they will be listed under the alarms tab.

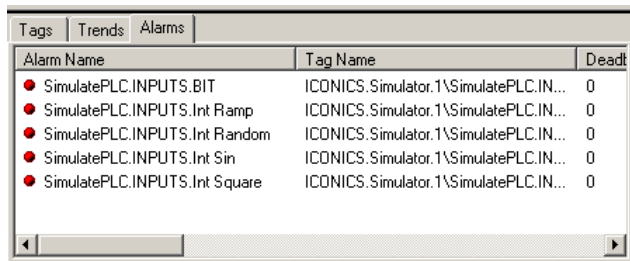


Figure 7

- You can set the **Alarm Limits** for more than one tag at the same time.

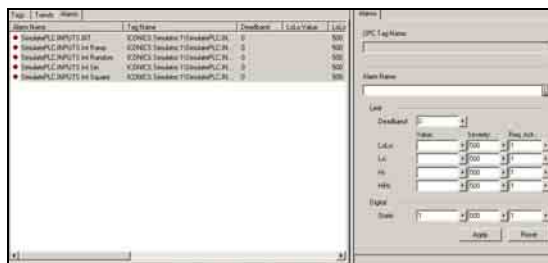


Figure 8

- You can change all the properties of the tags: have a Language Alias for **Alarm Name**, have an expression for **Deadband**, **Alarm Limits**, **Severity** and **Requires Ack**.
- You can add OPC tags, by right clicking anywhere on the bottom left window in the **Tags** tab and the **Unified Data Browser** will open up.

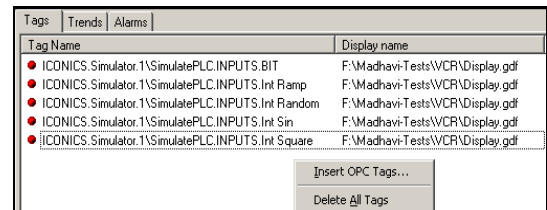


Figure 9

- When you are finished configuring, choose **File → Update Configurations**, and the configurations will be uploaded. You will get a message when the upload finishes successfully.
- In order to run your newly created configuration, you have to open the AlarmWorX32 Server Configurator from **Start → Programs → ICONICS GENEIS-32 → AlarmWorX32 → Alarm Server Configurator**. After opening the Configurator, browser for the configuration file just edited, and choose **File menu → Make Active**.
- You **cannot** make a configuration database active from the UDC, you have to open the configuration in the AlarmWorX32 Server Configurator and make it active from there.

Steps: AlarmWorX32 Logger

Now in version 8.0 of GENESIS32, you can replay alarms using the VCRWorX32. To replay the alarms, you have to first log them. After you log them, you have to specify which DSN VCRWorX32 Server should use to replay the alarms. This can be specified in the Unified Data Configurator.

- In the **Unified Data Configuration**, go to **Tools → VCRWorX32 Options**. The following window will open. You can specify your **DSN**, by clicking on the button and selecting it. You can specify the table name also.

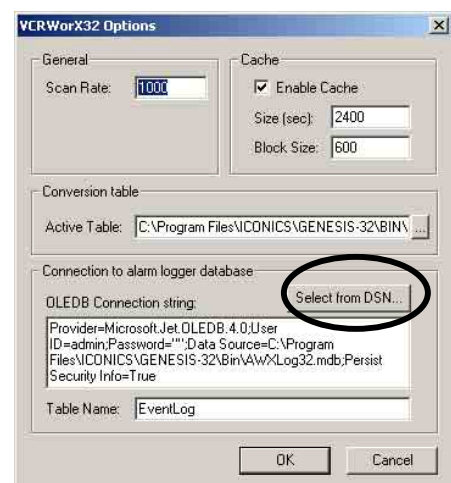


Figure 10