

Description: Guide to setting up trends 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.

Instructions

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

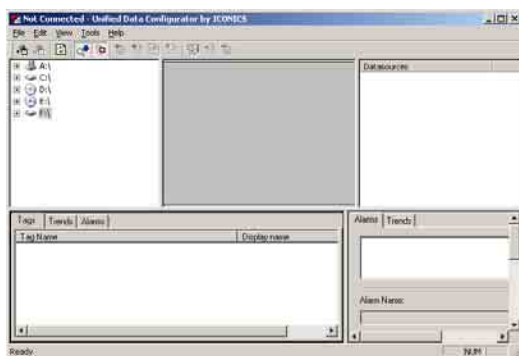


Figure 1

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

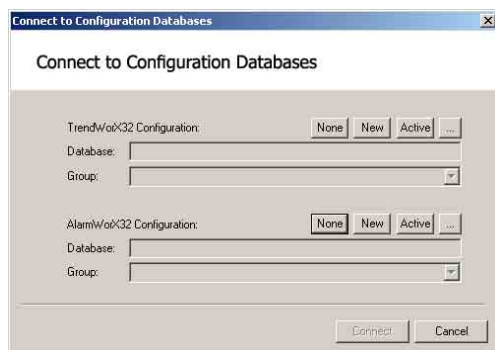


Figure 2

- **None:** If you want to connect to only alarms then click on **None** for trends (and 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. Select **New**, and it will ask where you want to save the file, and the filename. Specify both and click on **Connect**.
 4. The tree control on the top left allows you to browse for your GraphWorX32 display. After selecting your display, all the tags in the display should be listed in the right window.

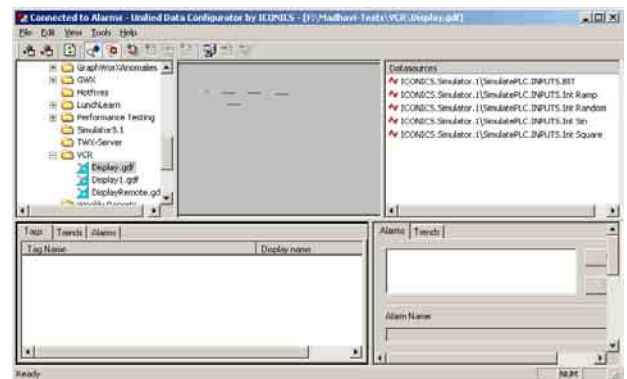


Figure 3

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

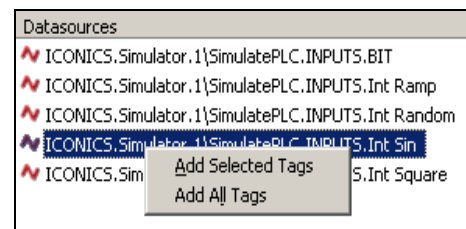


Figure 4

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

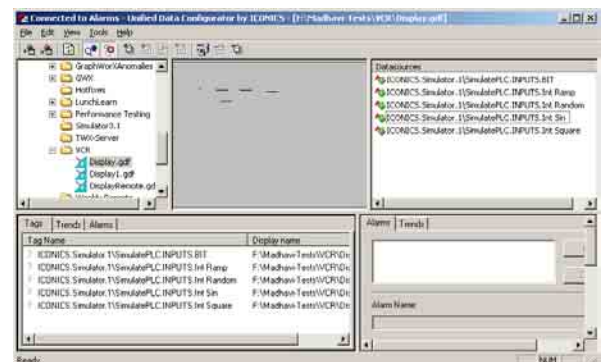


Figure 5

7. You can select all the tags at once and right click. Here you have the option set all the tags as alarms and/or trends at once. In this example, **Add Alarms** is not enabled, since we connected only to a TrendWorX32 Configuration.

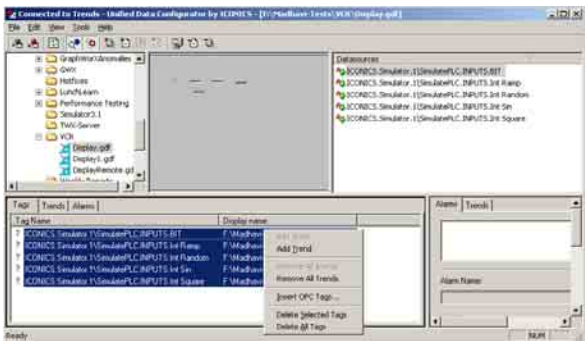


Figure 6

8. When you try to **Add Trends** to these tags, the window in **Figure 7** will open informing you that you do not have a default logging group.



Figure 7

9. Click **OK**, and the window in **Figure 8** will open.

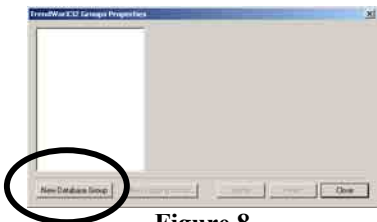


Figure 8

10. Click on **New Database Group**, and the **Select Data Source** window will open. You can either select an existing DSN or create a new DSN. After you are done click **Apply**.

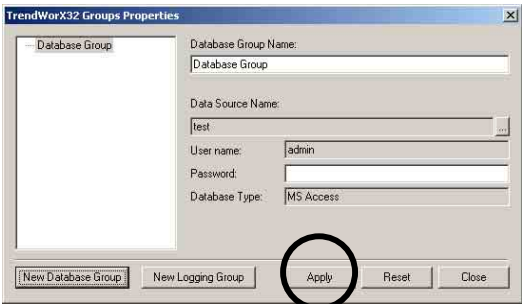


Figure 9

11. Next click on **New Logging Group**. You can specify the scan rate, and Start/Stop conditions. You have to set at least one group as the default group. Click on **Apply** and **Close**.

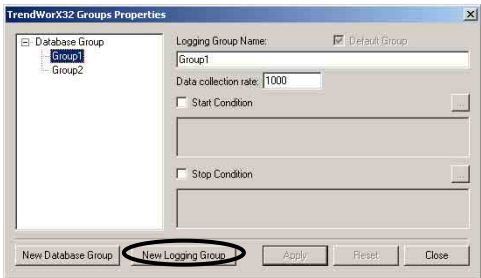


Figure 10

12. Again, select the tags and right click to set them as **Trends**. After you add the tags as trends, they will be listed under the **Trends** tab.

Tags	Trends	Alarms
Trend Name		
SimulatePLC.INPUTS.BIT	Tag Name	Logging Gro. Hi Limit Ran... Low
SimulatePLC.INPUTS.Int Ramp	ICONICS.Simulator.1\SimulatePLC.IN...	Group1 1000 0
SimulatePLC.INPUTS.Int Random	ICONICS.Simulator.1\SimulatePLC.IN...	Group1 1000 0
SimulatePLC.INPUTS.Int Sin	ICONICS.Simulator.1\SimulatePLC.IN...	Group1 1000 0
SimulatePLC.INPUTS.Int Square	ICONICS.Simulator.1\SimulatePLC.IN...	Group1 1000 0

Figure 11

13. You can set the **Ranges** for more than one tag at the same time.

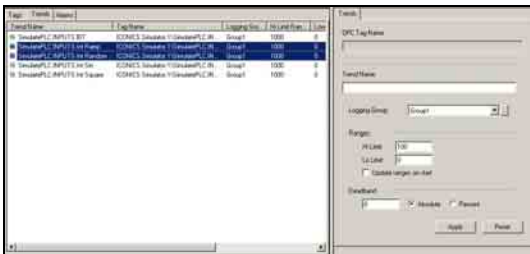


Figure 12

14. You can change the properties of the tags, change the logging group of the tags, and modify the properties of the logging groups by clicking on the “...” button.

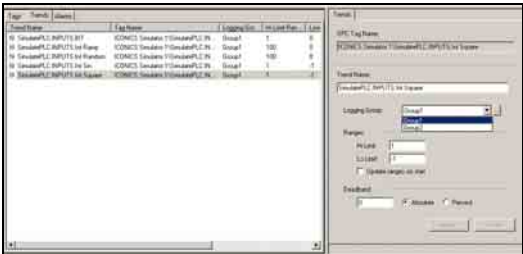


Figure 13

15. 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.

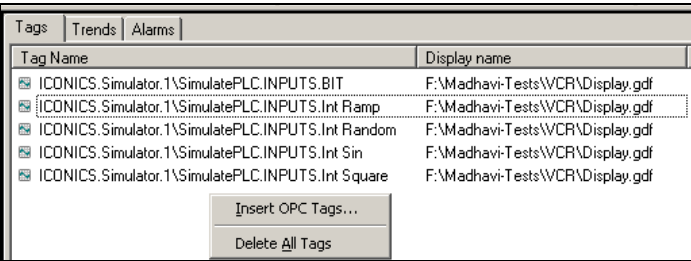


Figure 14

16. When you finish configuration, choose **File → Update Configurations**, and the **Update Configuration Databases** window will open.

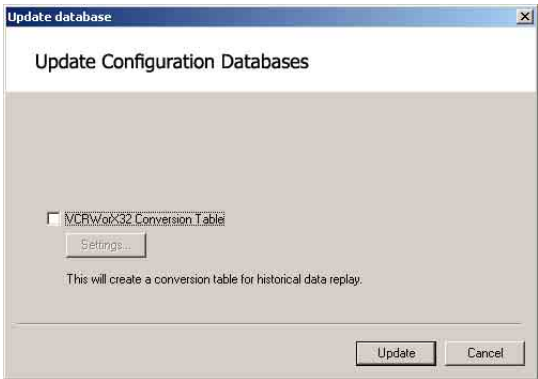


Figure 15

17. **Check** the box if you want to create a VCR Conversion table and the **Settings** button will be enabled. Click on the button to specify the translation table name, and the location and to set it as active table.

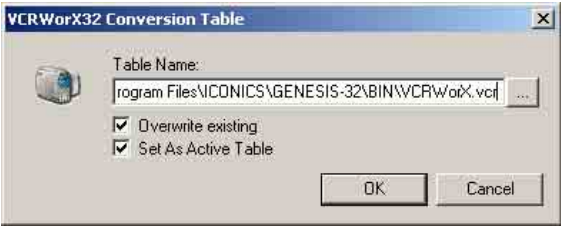


Figure 16

18. You can over write the existing table, or create a new table. You can specify, if you want the newly created table to be the **Active Table** (VCR Replay will look at the active table). Click on **OK** and the configuration will be uploaded. You will get a successful message after the uploading is complete.
19. In order to run your newly created configuration, you have to open the TrendWorX32 Configurator from **Start → Programs → ICONICS GENESIS-32→ TrendWorX32 → TrendWorX32 Configurator**. After opening the Configurator, browser for the edited file and go to **File → Make Active**.
20. You **cannot** make a configuration database active from the UDC, you have to open the configuration in the TrendWorX32 Configurator and make it active from there.

Options

1. You can create the VCR Conversion table from **Tools → VCRWorX32 Conversion Table** in the **Unified Data Configurator**.
2. You can set an active table from **Tools →VCRWorX32 Options**.

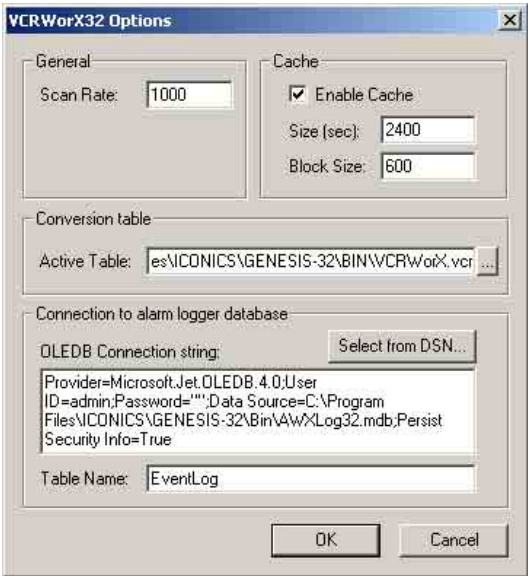


Figure 17