VCRWorX32 Configurator - TrendWorX32 Data Logging Configuration

APPLICATIONS NOTE

October 2013

Description: Guide to setting up trends from the VCRWorX32 Configurator.
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: GENESIS32 version 9.x is installed on the machine.

Introduction

VCRWorX32 is a tool that ICONICS provides for recording and viewing data at a later time in a real-time manner. You can configure VCRWorX32 to play back alarms and historical trends. The configurator also allows you to configure alarms and trends at the same time by selecting tags from a GraphWorX32 display. This document will walk you through the steps of setting up a historical trend configuration using VCRWorX32 Configurator.

Configuring TrendWorX32 Configuration

1. Open VCRWorX32 configurator from **Start → Programs → ICONICS Tools → VCRWorX configurator**.
2. Go to **File → Connect to Configurations**, and the Connect to Configuration Databases window will open as shown in Figure 1.

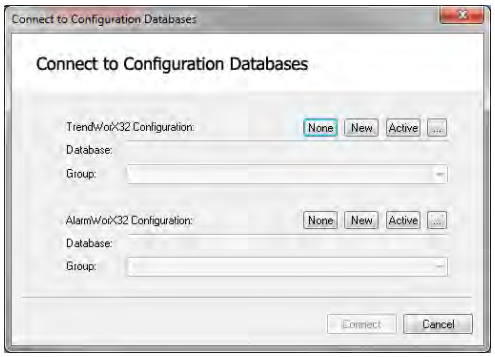

Figure 1 - Connect to Configuration Databases

- **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. Select **New**, and specify the filename and location to save the file. Click on **Connect**.
4. The tree control on the top left window 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.

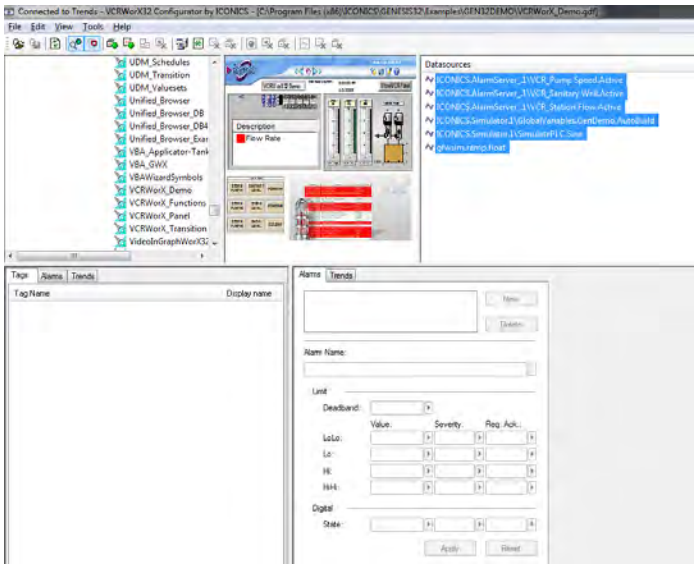

Figure 2 - Select GraphWorX32 display

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

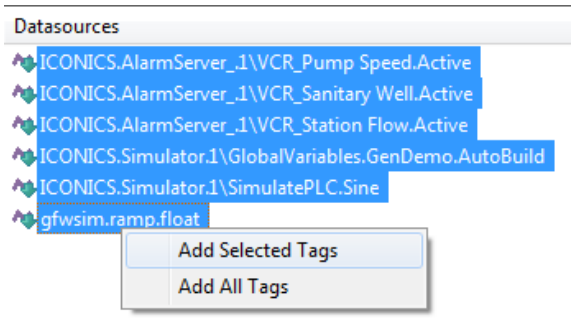

Figure 3 - Add Tags

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.

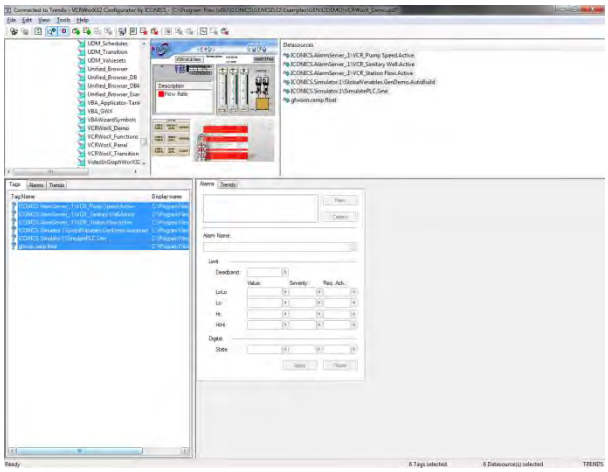

Figure 4 - Added Tags

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.

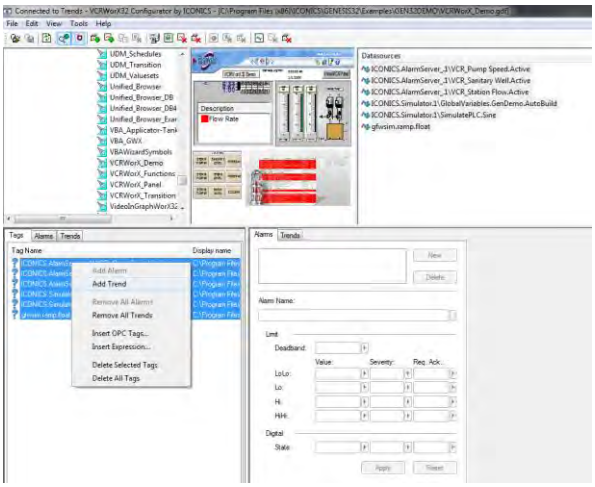

Figure 5 - Configure Tags

8. When you try to Add Trends to these tags, the window in Figure 6 will open informing you that you do not have a default logging group.

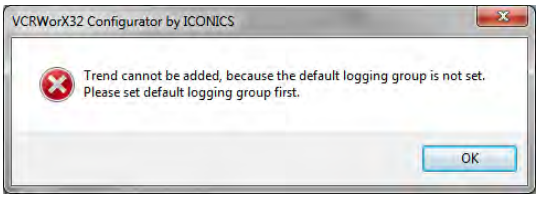

Figure 6 - Missing Default Logging Group

9. Click OK, and a create database group window will pop up.
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**.

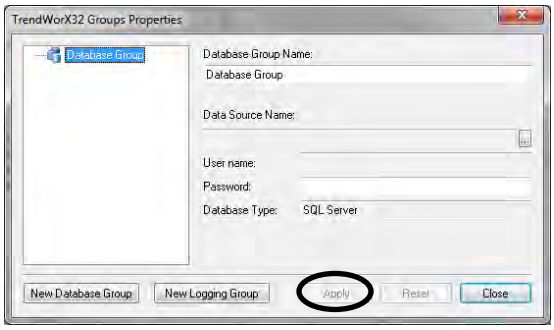

Figure 7 - Configure Default Database Group

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.

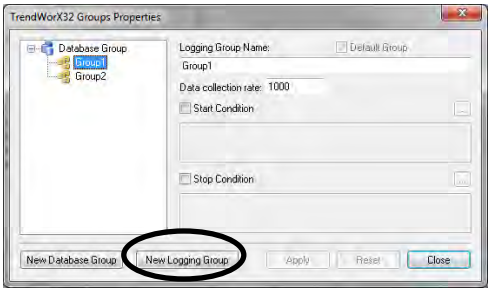

Figure 8 - Configure new Logging Group

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.

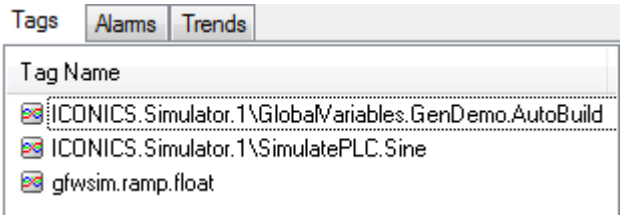

Figure 9 - Add tags as trends

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

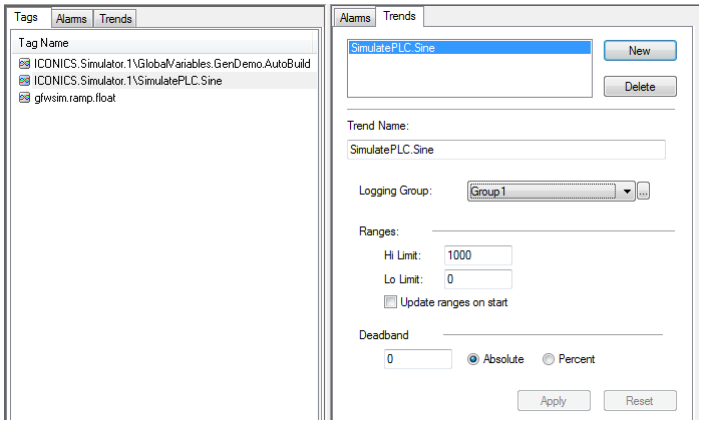

Figure 10 - Set ranges for trends

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.
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.

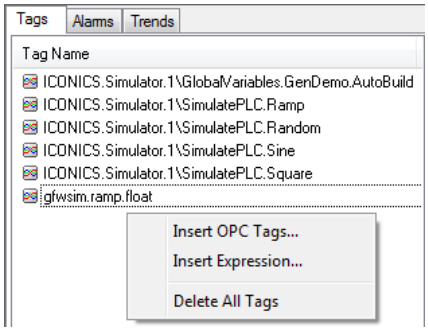

Figure 11 - Add OPC tags

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

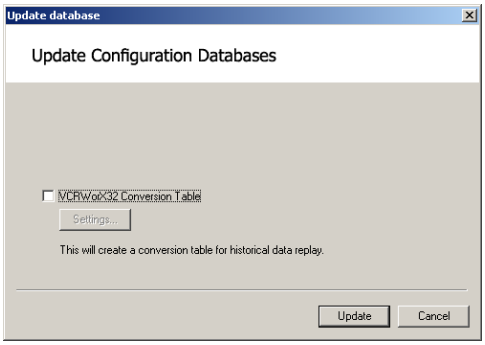

Figure 12 - Update Configuration database

17. Check VCR Conversion Table option to create a conversion file and click on the on "Settings…" button to specify the translation table name, and the location and to set it as active table.

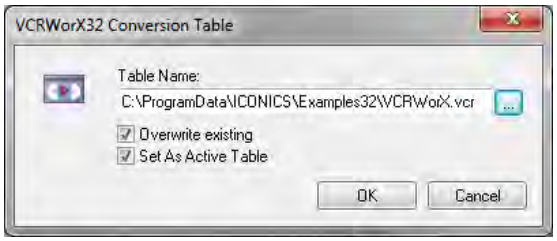

Figure 13 - Update VCR conversion table

18. You can overwrite the existing table, or create a new table. You can also specify 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 GENESIS32 → TrendWorX32 → TrendWorX32 Configurator**. After opening the Configurator, browse for the edited file and go to **File → Make Active**.

NOTE: You cannot make a configuration database active from the VCRWorX32 Configurator .