

Description: Guide to setting up alarms 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

VCRWorX3232 is a tool that ICONICS provides for recording and viewing data at a later time in a real-time manner. You can configure VCRWorX3232 to play back alarms and historical trends. The configurator 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 to setup an alarm configuration using the VCRWorX3232 configurator and play back alarms.

Configuring AlarmWorX32 Server

1. Open VCRWorX32 Configurator by going to **Start → Programs → ICONCIS Tools → VCRWorX Configurator**.
2. Go to **File → Connect to Configurations**. The Connect to Configuration Databases window will open, as shown in Figure 1.

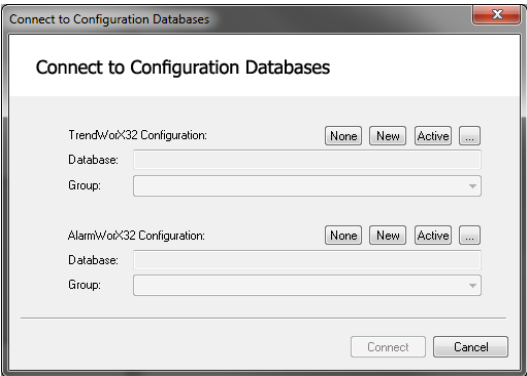


Figure 1 - Connect to Configuration Databases

- **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. Click on the “None” button for TrendWorX32 Configuration.

4. Click on the “New” button for AlarmWorX32 Configuration, and specify the filename and the location to save the file.
5. Click on “Connect” once you have saved a new AlarmWorX32 configuration.
6. On the top left pane, 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 pane.

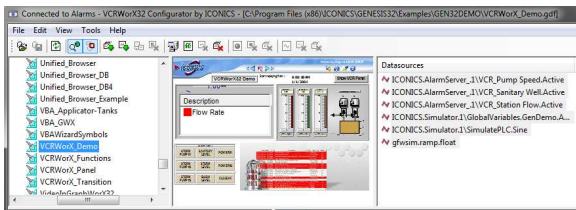


Figure 2 - Browse for GraphWorX32 displays

7. To add the listed tags, right click in the upper-right-hand pane and choose either **Add All Tags**, or **Add Selected Tags**.

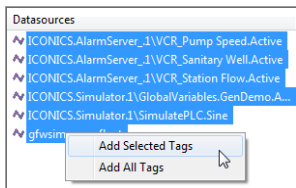


Figure 3 - Add Tags

8. 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 pane.
9. You can select all the tags in the bottom left window at once, and right-click to add the tags as alarms or Trends. In this example, since we are connected only to an AlarmWorX32 Configuration, only Add Alarm is available.

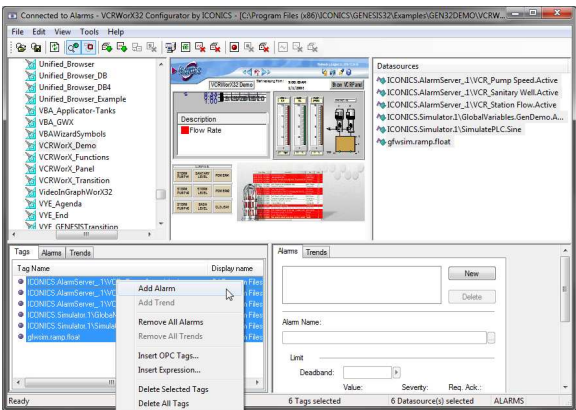


Figure 4 - Add Alarm Definition

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

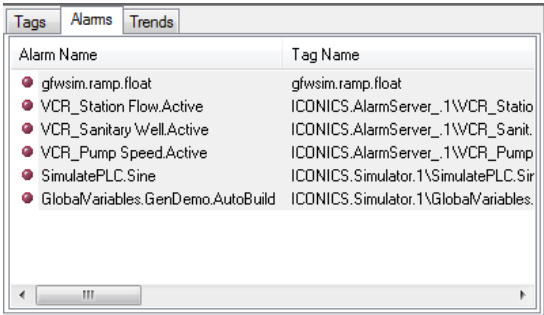


Figure 5 - Alarm Tab

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

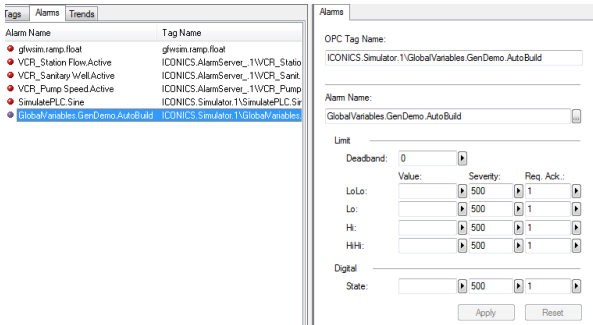


Figure 6 - Alarm Definitions

12. 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.
13. 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.

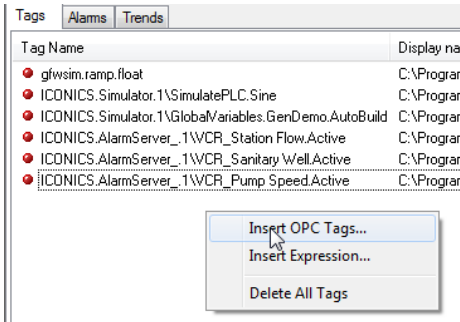


Figure 7 - Insert OPC Tags

14. When you are finished configuring, choose **File → Update Configurations**, to save the configuration. A window will

popup for you to confirm the update. We do not have to check the VCRWorX3232 Conversion Table since we are not using TrendWorX32.

15. Click on the “Update” button. You will get an update confirmation message when the upload finishes successfully.
16. In order to run your newly created configuration, you have to open the AlarmWorX32 Server Configurator from **Start → Programs → ICONICS GENESIS-32 → AlarmWorX32 → Alarm Server Configurator**. After opening the Configurator, browse for the configuration file you have just edited, and choose **File → Make Active**.

NOTE: You cannot make a configuration database active from the VCRWorX32 Configurator, you have to open the configuration in the AlarmWorX32 Server Configurator and make it active from there.

17. Open your Alarm Logger configurator by going to **Start → Programs → ICONICS GENESIS32 → AlarmWorX32 → Alarm Logger Configurator**, and configure the alarms to log.
18. Make sure that the snapshot period is set to a non-zero positive integer.
19. In the VCRWorX32 configurator, go to **Tools → VCRWorX3232 Options** to change the DSN.
20. Click on the “Select from DSN...” button when the VCRWORX3232 Options Window opens. You can specify your DSN you used to log the alarms by clicking on the button and selecting it. You can also specify the table name.

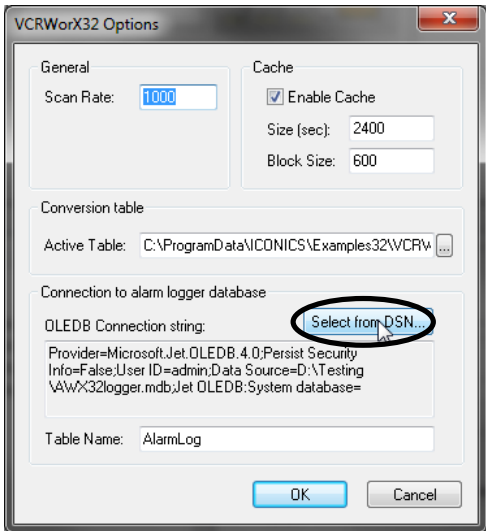


Figure 8 - VCRWorX3232 Options

21. Click “OK” and VCRWorX3232 will replay the alarms from the database you just specified.