

Description: Guide to setting up VCRWorX32, Alarm Viewer, DA Tags, and GenBroker when you want to play back DA and Alarm information on a local node.

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: GENESIS32 version 9.x 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. You can also configure historical play back of process points. The data for these points will come from the TrendWorX32 Logger database. This application note will walk you through the necessary steps to play back a GraphWorX32 display that contains alarms, historical trends, and process points.

Before we begin, let’s open the VCRWorX32 example in GenDemo. You can find this file in C:\Program Files\ICONICS\GENESIS32\Examples\GEN32DEMO\VCRWo rX_Demo.gdf. Try to play back data on the day it specified on the display.

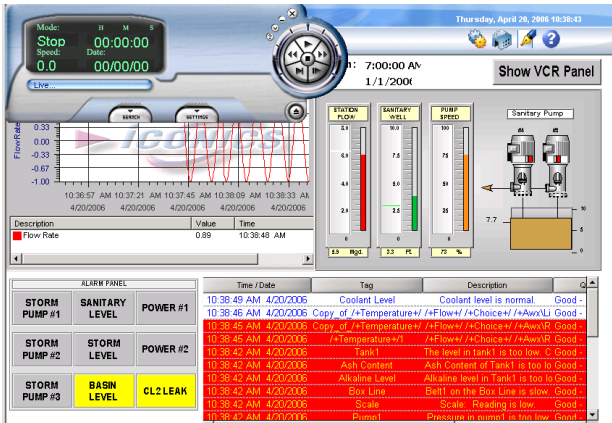


Figure 1 - VCRWorX32 Demo Page

NOTE: This demo will only work with the Default Alarm Server, Alarm Logger, and Trend Logger configuration. Please explore this display before you start making your own VCRWorX32 project.

Instructions

- Configure your AlarmWorX32 Logger to log Alarms with snapshot tables enabled. Under the configuration, enter a value for Snapshot Tables. To be able to do VCR replay of alarms, the value in the snapshot table must be greater than zero.

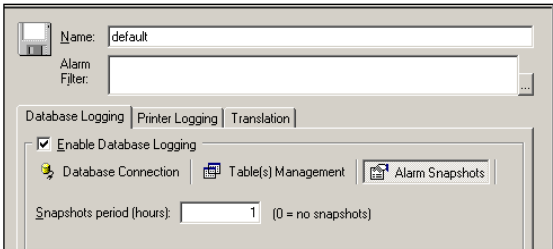


Figure 2 - Configure Snapshot Tables

- Configure your TrendWorX32 Logger to log trend data.

NOTE: Please refer to the application notes entitled *AlarmWorX32 Logger - Alarm Logging Quick Start* and *TrendWorX32 Logger - Data Logging Quick Start* for more information on how to setup Alarm and Data Logging.

- Create a GraphWorX32 display with an Alarm Viewer, Trend Viewer and some process points (these should be logged in the trend logger database).
- Open the VCRWorX32 Configurator from **Start → Programs → ICONICS Tools → VCRWorX Configurator**.
- Go to **Tools → VCRWorX32 Options** and select the DSN for your AlarmWorX32 Logger database and specify the location of the VCR Translation tables. Close the configurator.
- Open your GraphWorX32 display and go into runtime. Select **Tools → VCRWorX Replay**. The VCR control panel will open, as shown in Figure 3. Select a time for when the replay should start.

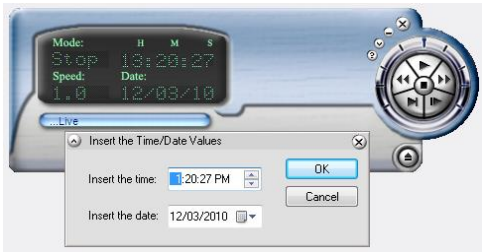


Figure 3 - VCRWorX32 Control Panel

NOTE: You should select a time that is well after data or alarm has started logging.

- Click on the triangle play button to start the play back. You can see the system time is ahead of time in the Trend Viewer or the Alarm Viewer; this implies that the display is in playback mode. If you put your mouse pointer on one of the process point, the tag name has a “VCR:” prefix.

NOTE: If you are upgrading from any previous version to GENESIS32 version 9.x, you will not be able to replay VCR alarms until the snapshot table is created. You can replay trends, if you have upgraded from version 7.1 or later to version 9.x