



WebHMI – Using VCRWorX32 with WebHMI



APPLICATIONS NOTE

December 2007

Description: Guide to replaying data from a published web page using VCRWorX32

OS Requirement: Win 2000 Pro/Server, XP Pro, Server 2003

General Requirement: Installation GENESIS32 version 9.x and WebHMI 9.x; knowledge of WebHMI publishing and a working VCRWorX32 configuration.

Introduction

VCRWorX32 allows a replay of data that feels real time. This capability extends to WebHMI. However, in WebHMI, you do not get the GraphWorX32 menu bar that brings up the VCRWorX32 panel. Furthermore, on a WebHMI client, you will need to allow grant access for data that are logged to MS Access. This document details how you can make VCRWorX32 run in a WebHMI client.

NOTE: If you need help setting up VCRWorX32 on your local machine, please refer to the application note entitled *VCRWorX32 – Playback Feature Quick Start*. This document will assume that you already have a working VCRWorX32 configuration and replaying locally works.

Configuring GenBroker

1. Open your client GenBroker configuration by going to Start → Programs → ICONICS WebHMI → Client Configuration
2. Click on the edit button to edit your client GenBroker configuration
3. In the left-hand pane, expand Advanced → Client → Miscellaneous and make sure that the VCRWorX32 Node is set to your WebHMI Server. If you have been using IP addresses instead of node names, you should type in your IP Address of your WebHMI server here.

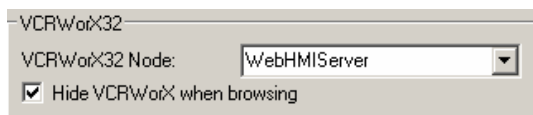


Figure 1 - VCRWorX32 Node in Client GenBroker Configuration

4. Save the GenBroker configuration and exit the configurator.

Editing Your GraphWorX32 Display

1. Open the display where you would like to launch the VCRWorX32 Panel. This could be a template.
2. In the display, add a button by clicking on the “Button” button in the Dynamics toolbar.



Figure 2 - Dynamics Toolbar

3. Select VCR Panel Show for the Action in the Properties Inspector
4. Click “OK” to save the selection and close the Properties Inspector.
5. Position the button where you would like it on the display.
6. Follow steps 2-5 to create a different button that would hide the VCRWorX32 panel. You can choose VCR Panel Hide for the action.

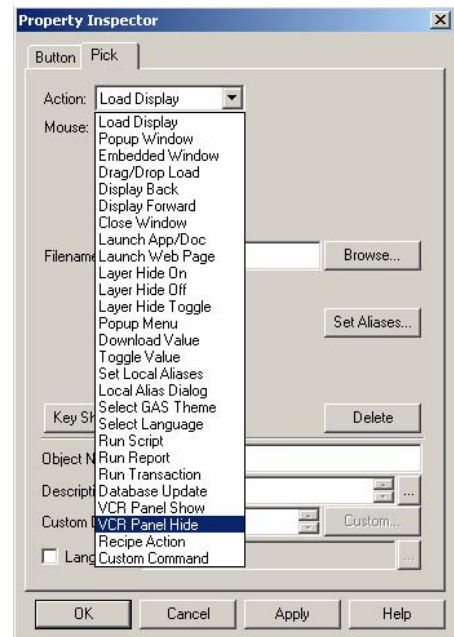


Figure 3 - Pick Action for VCR Panel

7. Go into run time and make sure that the buttons and your VCRWorX32 replay is working locally.
8. Publish the display

NOTE: If you need help publishing your display, please refer to the Application Note entitled *WebHMI – Web Publishing Wizard Quick Start*.

Viewing Your Display

1. On a machine without GENESIS32, open Internet Explorer and go to your published page.
2. Once the page loads, you can click on the VCR Panel Show button to bring up the VCR Panel.
3. Set a time where you have data to replay and watch your data replay as if it were real time.
4. Click on the VCR Panel Hide button when you are done.

Accessing Databases over Internet

If you have an alarm viewer in your display, VCRWorX32 will try to get data to replay using your alarm logging database. Depending on which logging database you are using to log your alarm data, we need to do something different. We have detailed what you need to do for MS SQL database and an MS Access database below. It is recommended that for web accessing, you should use MS SQL (or MSDE).

MS SQL Server

Since Windows NT Authentication will not work over the internet, you will need to use a specific SQL user.

1. Go to Control Panel → Administrative Tools → Data Sources (ODBC) and select the data source you are using to log your alarms.
2. Click on “Configure...” button and click “Next” in the window that popped up.
3. Select to authenticate “With SQL Server authentication using a login ID and password entered by the user” and enter your user name and password.

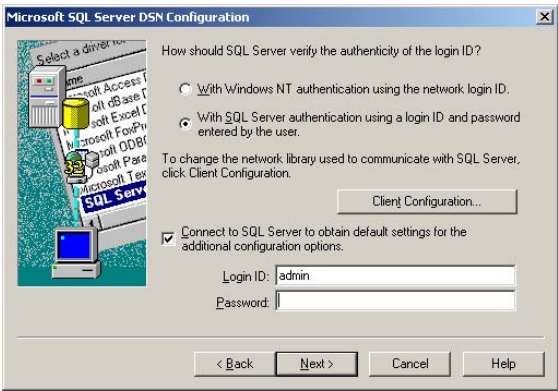


Figure 4 - Authenticating Using SQL Server Authentication

4. Click “Next” until you have the option to click “Finish” and click “Finish”
5. Your database connection should now be ready for access over the web.

MS Access

For a MS Access database, we will need to grant web sharing privileges to the directory where your database is stored. There are two ways to do this. One way is to move your database into the WebHMI directory in the Common files directory. This directory is already set to have web sharing priveledges, therefore, once the database is moved into this directory, you do not need to do anything else. The other ways is to grant access to the directory where the database resides within.

1. Local the directory where your MS Access database is located.
2. Right-click on the directory and select properties.
3. In the properties windows that comes up, select the “Web Sharing” tab.
4. Select “Share this folder” and a window called “Edit Alias” will come up.
5. You can leave everything in this as is and click on “OK”.

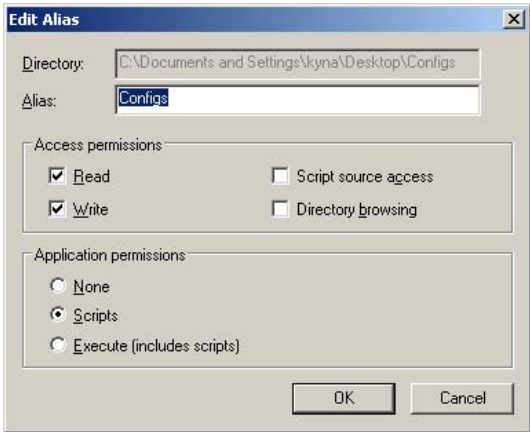


Figure 5 - Edit Alias

6. You will now have an alias in your Web Sharing tab and you should now be able to access anything in this directory via the Internet.

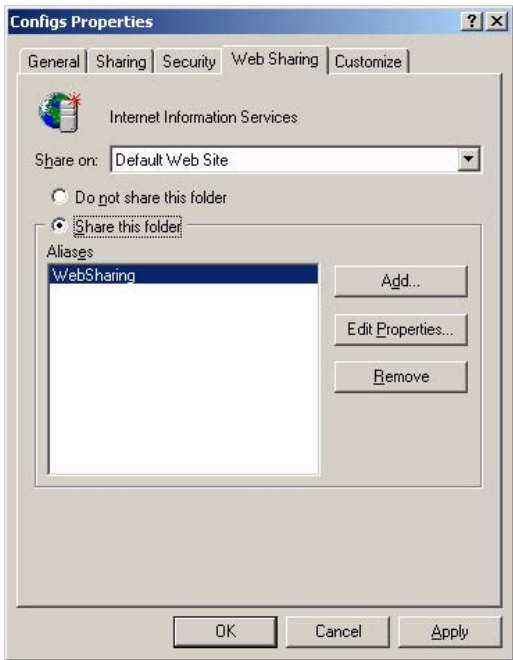


Figure 6 - Web Sharing