

Description: Guide to configuring and running the ICONICS online diagnostic & troubleshooting tool over WebHMI

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

General Requirement: ICONICS WebHMI V9.20

Introduction

TraceWorX32 provides online diagnostics and tuning of applications running in the GENESIS32 system. It is designed for system integrators, OEMS, and customers who want tools for doing their own troubleshooting and diagnostics.

TraceWorX32 tracks the runtime activity for each GENESIS32 applications and logs the runtime data to a log file based on user-configured trace levels. The log file provides a thorough, color-coded report detailing all activity for the application, including the time, the date, the severity level, and the description of the even or problem.

Since version 9.1 you can take advantage of TraceWorX32 over WebHMI. You can now trace activity of all controls you placed in your displays and view in your Internet browser.

This document will describe how to turn on TraceWorX32 to log information about the application in question.

Launching TraceWorX32 over WebHMI

1. Open an Internet browser on your client machine.
2. TraceWorX32 for WebHMI is installed with WebHMI samples and you would also find it there. To launch it use the following address:

<http://yourservername/webhmi/samples/traceworx32.htm>

Substitute “yourservername” string with the name of your WebHMI server.

3. You might be asked to install TraceWorX software. Allow it. It will launch TraceWorX32 in Internet Explorer.

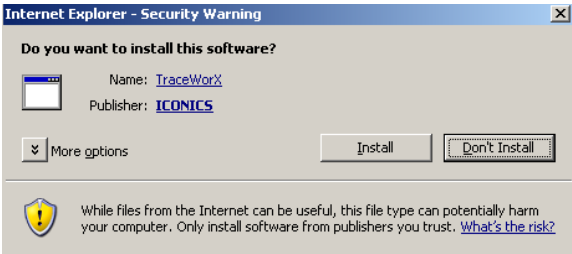


Figure 1 - Security Warning of Internet Explorer

If it is the first time you access the WebHMI server from this machine you will see the following screen.



Figure 2 - First time TraceWorX32 Screen on a Remote Client

This is expected. It is important to know that you can trace only controls and libraries that you have already downloaded. TraceWorX32 scans your system for the presence of downloaded objects and list them. Whenever you download a control it is added to the TraceWorX32 page and you can start analyzing the control. The following figure shows TraceWorX32 page on a client machine where WebHMI has already been used.

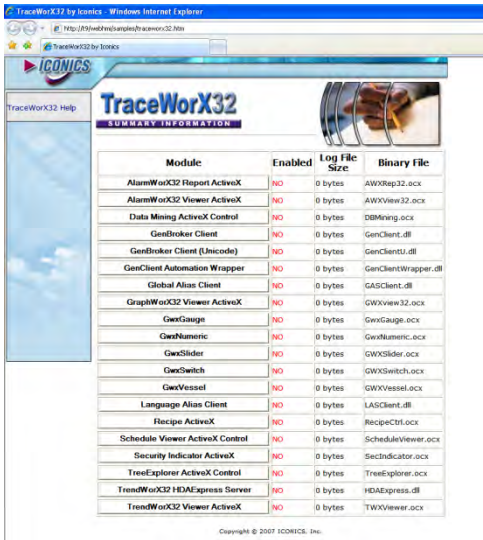


Figure 3 - TraceWorX32 with Available Modules to Trace

4. If you see a screen similar to the Figure 3, you can start using TraceWorX32 in the same way you would use it in a standard GENESIS32 machine.

Configuring TraceWorX32

1. By default, tracing is disabled for all of the applications.

2. You can scroll down to find the application in question and click on the module.

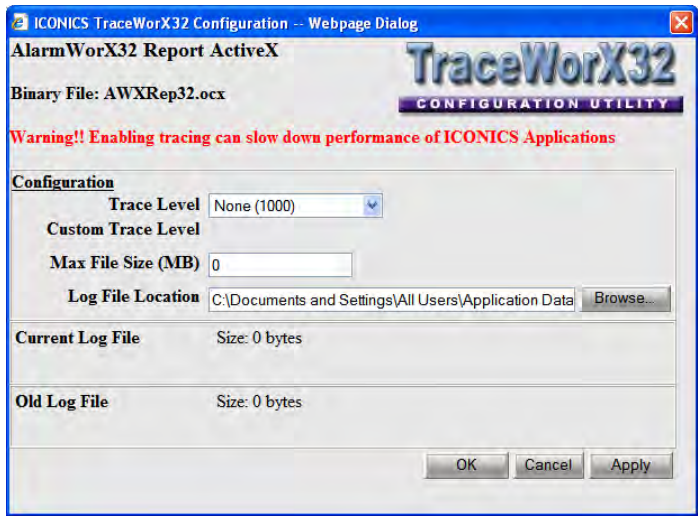


Figure 4 - TraceWorX32 Configuration Dialog

3. You can set the **tracing level** to ALL (0) to log everything. Be cautioned that this may slow down your system a bit. You may want to turn the tracing level to something low (i.e. Error (800)), which will have less of an impact on your system performance.
4. You can change the **Max File Size** if you wish. A size of 0 MB means the file can grow indefinitely big.
5. If needed you may decide to change the **Log File Location** to a more convenient place for you to retrieve and view the files later.
6. Click on “OK” once you are done configuring tracing for the particular application.
7. You will return back to the main TraceWorX32 page. You should see a “Yes” in then Enabled column for the application that you have just configured tracing.

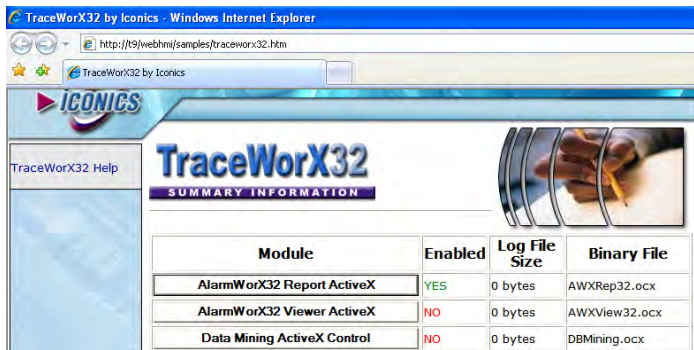


Figure 5 - Tracing Enabled

8. Run the application in question to reproduce the error or for some time. Once you have reproduced the error, you should turn off tracing for the application.

9. Go back into TraceWorX32 and bring up the TraceWorX32 Configuration Dialog of your traced application. You can view the trace file using by clicking on the “View...” button. You can also email, zip, or delete the files.

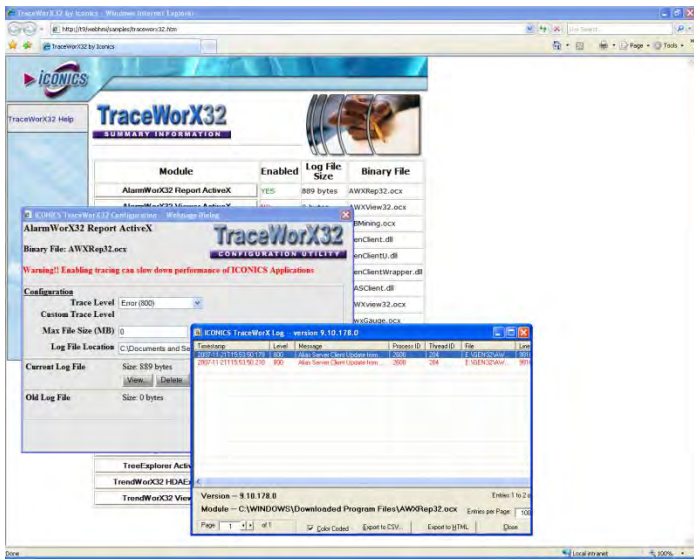


Figure 6 - Viewing TraceWorX32 Log

For further information refer to TraceWorX32 dedicated application notes.