



GENESIS64

Running in Internet Explorer



APPLICATION NOTE

October 2015

Description: Guide to configuring GENESIS64 applications to run in a browser.

General Requirement: .NET Framework 4.5 must be installed on the client machine.

Introduction

GENESIS64 allows connecting any clients via Internet Explorer (abbreviated to IE), even on machines with 32 bit operating systems. In this document, we detail the steps necessary to set up this remote communication for both GraphWorX64 and Workbench Classic versions. In addition, GraphWorX64 Silverlight and Workbench Silverlight versions can be viewed in any browser that supports Silverlight.

Server Side Settings

This document assumes that you have the standard GENESIS64 samples and the standard Workbench project that come with the GENESIS64 installation. All necessary settings are set during the product installation.

Also, if your GENESIS64 Server has a firewall running on it, you need to make sure that port used for IIS communication and a port specified for FrameWorX communication in FrameWorX Server location settings are open.

Client Side Settings (Classic)

When using the Classic Workbench or GraphWorX64 displays in Internet Explorer, you'll need to download and install **Microsoft .NET Framework 4.5** or later.

Once you have the .NET framework installed, you need to add your GENESIS64 web server to the trusted sites of the client machine.

NOTE: In the steps below, replace all instances of "MyServer" with your GENESIS64 server's name or IP address.

1. Open Internet Explorer, select Tools → Internet Options, and go to the Security tab.
2. Selected the Trusted Sites option and click on the "Sites" button to add the web sites <http://MyServer> and websites stated below to the Internet Trusted Sites.
3. At this point, verify you can connect to the GENESIS64 server by navigate to <http://MyServer>. You should see a default welcome site from your IIS server.
4. Next, to run GENESIS64 Workbench in Internet Explorer, navigate to:

<http://MyServer/GENESIS64/WebSites/PubDisplay/Workbench.htm>

5. You will be prompted to run an application and then you will see a loading bar displaying the progress. When this completes you should see Workbench.
6. Similarly you can open GraphWorX64 Runtime in a separate Internet Explorer window by navigating to:

<http://MyServer/GENESIS64/WebSites/PubDisplay/GwxRuntime.htm>

or load the GraphWorX64 configuration by navigating to:

<http://MyServer/GENESIS64/WebSites/PubDisplay/GwxConfiguration.htm>

NOTE: In order to take advantage of 64-bit process memory management on 64-bit operating system you should ensure that the PresentationHost.exe hosting the .NET client application is run in 64-bit mode. This can prevent your client from running out of memory. If you use IE9 you may just start Internet Explorer (64-bit). If you use IE10 or IE11, you must Enable Protected Mode on Trusted sites and enable UAC.



Figure 1 - Enable Protected Mode on Trusted sites

Client Side Settings (Silverlight)

To use the Workbench Silverlight or GraphWorX64 Silverlight, both accessible from Windows Start menu, you'll need to have Silverlight plug-in installed. GENESIS64 supports all browsers which support Silverlight, including Safari, Firefox and Opera. If Silverlight is not detected, you will be provided a link to launch the installer.

For more information about the different versions of GraphWorX64 and Workbench, please refer to the help documentation and additional Application Notes.