GENESIS64
Silverlight Support

APPLICATION NOTE

September 2013

Description: This Application Note describes GENESIS64's support of Microsoft Silverlight technology.
OS Requirement: Vista x64/ Windows 7 x64/ Windows 8 x64/ Windows Server 2008 x64/ Windows Server 2008 R2 x64/ Windows Server 2012
General Requirement: Installation of GENESIS64 v10.70

Introduction

Microsoft Silverlight technology is a powerful development platform for creating engaging and interactive user experiences. GENESIS64 leverages this feature in GraphWorx64 displays, which can include many of the common controls such as TrendWorX64 Viewer, AlarmWorx64 Viewer, EarthWorX64 Viewer, and Pipe control.

Figure 1 - Silverlight Display Running inside of Safari Web Browser

In this Application Note, you will be able to create your own GraphWorX64 Silverlight displays, and learn about its feature set.

Creating Silverlight Displays

Any existing new or existing GraphWorX64 display can be saved as a GraphWorX64 Silverlight display by performing the following:

1. Open a **GraphWorx64** display.
2. Select **File → Save As**.
3. On the Save As dialog select **GraphWorX64 Silverlight Display (*.gdfxs)** as shown in **Figure 2**.

Alternatively you can also create a new GraphWorX64 Silverlight display by selecting **File → New → Silverlight Display (.gdfxs)**.

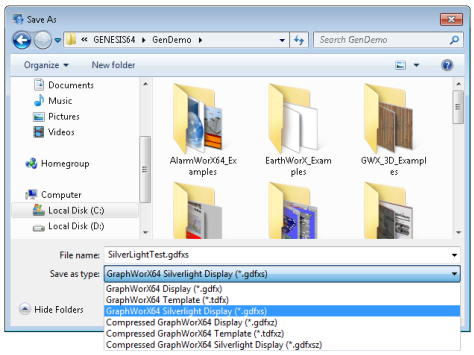

Figure 2 - Saving a GraphWorX64 Silverlight Display

Silverlight Display Features

Some of the advantages of saving GraphWorX64 Silverlight displays can include:

- Removes the .NET Framework requirement on client machine and the need to change security settings.

NOTE: You will need to have the Silverlight plug-in on the client, but you will be given a link to download and install it if not detected. (4MB download).

- Faster Initialization
- Faster Display Interaction
- Can use non Internet Explorer Web Browsers such as Firefox, Safari, and Opera
- Can use other Operating Systems such as Mac OS X

The current limitations of Silverlight displays include, but are not limited to:

- Runtime only (no configuration mode)
- No 3D View
- No scripting
- "Glow Effect" is not supported
- No third-party controls
- Smart symbols are converted to "normal" symbols
- Pick Dynamic commands such as Run Report, Run Transaction, Update Database, and Run Scipt are currently not supported
- Curved paths and Acceleration/Deceleration Location Dynamic properties are currently not supported
- Start Application Pick Dynamic command can only be used to open documents that can be run in a web browser(i.e. html page, text file, office document)
- Silverlight Displays can only be loaded from an HTTP URL and not the local file system of the client adasd

For a complete list of the supported features and limitations, please refer to the help documentation.

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