

Description: Summary of different remote client types and their setup

OS Requirement: Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: Knowledge of GENESIS64 and its architecture

Introduction

The ICONICS GENESIS64 offers various client options. This document should describe the options in terms of their deployment. After reading this application note you should be able to estimate an approximate footprint on the client machine.

Full .NET client

It is a standard installation of GENESIS64 suite with all standard requirements that are checked when the application is installed. Such installation can have a local default FrameWorX server but if we talk about remote clients we suspect that it connects to a remote default Middle-tier FrameWorX server. The Middle-tier FrameWorX supplies all data and license.

In Tools tab of Workbench ribbon you can specify the Primary as well as Secondary Default FrameWorX server node and type of communication between the client and the server. This setting is separate and similar for each client type. Every client that connects to this machine FrameWorX server will use these settings.

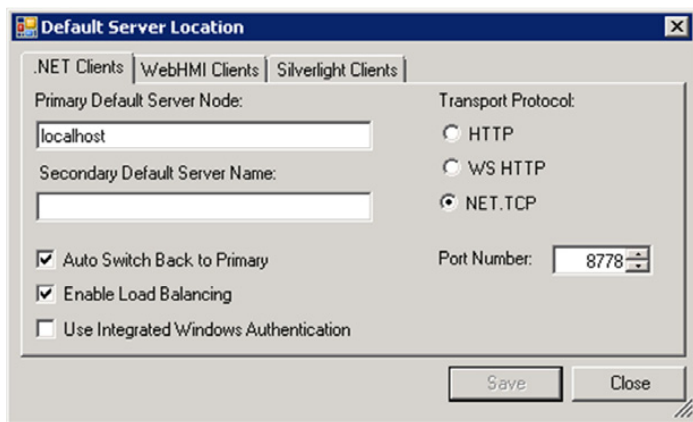


Figure 1 - Set Default FrameWorX Server for .NET Clients

Remote Licensing

On a full .NET client it is possible to use a local FrameWorX server and get remote licensing, or have your remote FrameWorX server and licensing server be on two separate machines. If you would like your licensing to come from some place other than your FrameWorX server location, go to the Tools tab of Workbench and select Platform Services. At the

bottom of the Basic tab there is the option to select “Use Remote License” as shown in Figure 2.

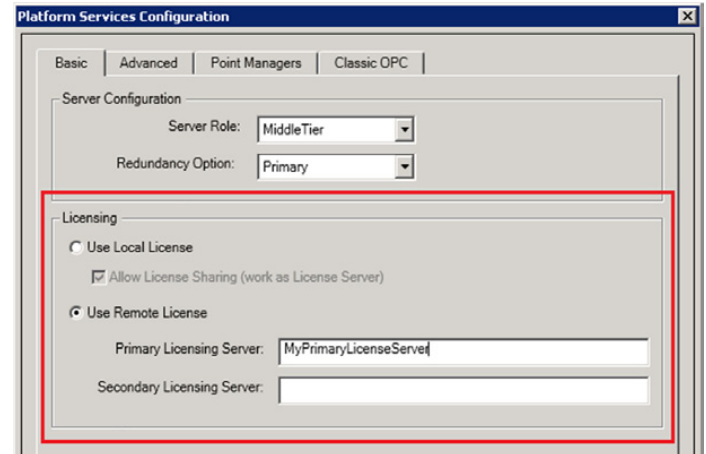


Figure 2 - Remote License in Platform Services Configuration

WebHMI clients

This type of clients is very similar to full installation of GENESIS64 but with less footprint and easier deployment.

Client connects via Internet Explorer to a remote IIS server hosting GENESIS64. Internet Explorer will automatically download a XBAP package if not downloaded before, which is then deployed. This package contains all necessary files to run GENESIS64 in Internet Explorer.

NOTE: Classic Workbench can also run in form of .NET client in Internet Explorer.

Prerequisites (Microsoft Components):

- **.NET:** .NET Framework version 4.0 for x64 - Full Version (**48MB** download)

ICONICS Components:

- Supported in Internet Explorer only
- Requires Trusted Site be set in IE
- The site must allow anonymous access
- Applications (the size of downloaded components varies – some components are downloaded on-demand as needed)
 - GraphWorX Runtime-only: **15.8MB** (core application) + on-demand components such as viewers
 - GraphWorX Configuration: **32.8MB** (core application) + on-demand components
 - Workbench Classic: **22.9MB** (core application) + providers
- Components (.xap files) may be downloaded to: C:\Users\[username]\AppData\Local\Apps\2.0

- Additional settings may be saved to:
C:\Users\[username]\AppData\Local\IsolatedStorage\?
??\StrongName.??\AssemFiles\ICONICS

NOTE: Question marks substitute a number of random characters generated by operating system. Download path may vary depends on OS settings.

Silverlight Web Client

It is ICONICS most lightweight client which offers cross platform operability and most secure deployment. On the other hand it misses some functionality such as scripting or 3D graphic support. For detailed functionality comparison of the two client types please consult GENESIS64 help documentation.

Silverlight client connects via any browser with Silverlight support to a remote IIS server hosting GENESIS64. The browser will check for Silverlight presence and ask for download if needed. Then it will download and deploy a requested XAP package. This package contains all necessary files to run Silverlight GENESIS64 applications.

NOTE: Workbench-SL and PortalWorX-SL are also considered to be Silverlight clients.

Prerequisites (Microsoft Components):

- **Silverlight:** Silverlight 4 plugin (**6MB** download), or Silverlight 5 plugin (**7MB** download)

ICONICS Components:

- Should work with the browser's "default" Internet Settings
- Should work in various browsers (IE, Opera, Firefox, Chrome, Safari)
- Applications:
 - GraphWorX Runtime-only: **6.4MB** (includes viewers)
 - Workbench-SL: **4.5MB** (application) + providers
 - PortalWorX-SL: **5.3MB** (application) + components
- Components (.xap files) may be downloaded to:
C:\Users\[username]\AppData\Local\Microsoft\Windows\Temporary Internet Files
- Additional settings may be saved to:
C:\Users\[username]\AppData\Local\Low\Microsoft\Silverlight\is\??\??\??\??\??\??\ICONICS

NOTE: Question marks substitute a number of random characters generated by operating system. Download path may vary depends on the OS settings.

Note that all size values mentioned in this document are approximate and may vary based on the specific product versions.

Folder names given are for Windows 7 and they might be different on other OS.