Workbench Silverlight - Quick Start

APPLICATION NOTE

July 2011

Description: Guide to features offered by Workbench. Silverlight.
OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64
General Requirement: Installation of GENESIS64 v 10.6 xs. Facility AnalytiX or other AnalytiX(s).

Introduction:

The Silverlight Workbench introduced in Version 10.6 is intended to provide functionality that is similar to the WinForms /WPF Workbench GENESIS64 versions, but with improved "reach" and the ease-of-deployment that Silverlight technology offers.

The Workbench Silverlight offers a light-weight deployment with a fast startup time, which also supports third-party plug-ins.

The Workbench Silverlight has a look-and-feel that is similar to Classic Workbench64, including familiar elements such as a tool bar ribbon and Project Explorer, but with enhanced user-friendly options such as a list-view Project Explorer for browsing which can be filtered and sorted.

This document intends to give you an overview of the Workbench Silverlight capabilities.

Overview

The Workbench Silverlight runs in all browser platforms, including Microsoft Internet Explorer, Firefox, Safari, and so on. Its Silverlight components are available as web parts in SharePoint, run on Windows 7 Phone.

Many GENESIS64 configurations can be done from within the Silverlight Workbench; what can't be done inside the Workbench Silverlight can still be done from within Classic Workbench.

Working with Workbench Silverlight:

To open the Workbench Silverlight, from the Windows **Start** button, select **All Programs → ICONICS → Workbench Silverlight.**

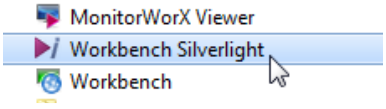

Fig 1: Workbench Silverlight

NOTE: Workbench Silverlight is not a part of GENESIS64 standard install and only installs with Facility AnalytiX or other AnalytiX(s). .

When you open the Silverlight Workbench for the first time you see all of the applications, tools, utilities, and services listed in the Project Explorer that you can open within the Workbench Silverlight. It is made up of:

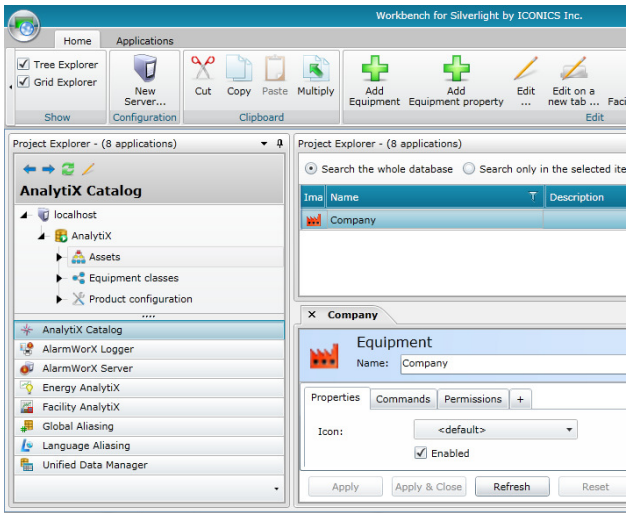

Fig 2: Workbench Silverlight User Interface

- The **ribbon bar** (along the top).
- Two **Project Explorers** that you can hide or show:
  - A **tree explorer** that gives you a way to navigate and browse; and buttons that give you access to ICONICS providers.
  - A **grid explorer** you can use for searching.
- The **content or work area** where configuration forms open.

Ribbon:

The ribbon for the Silverlight Workbench is designed to help you quickly find the commands you need to complete a task. Commands are organized in logical groups.

The ribbon has two tabs: the **Home** tab provides general tool bar functions and changes depending on the item that is selected in the Project Manager, and the **Applications** tab gives you access to the providers (applications) that are in the Tree Explorer's button bar. Examples of both are shown below.

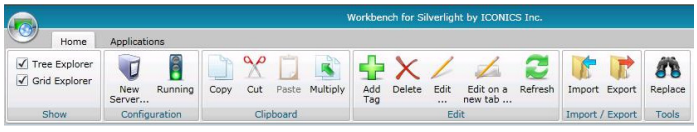

Fig 3: Home Tab Workbench Silverlight Ribbon

You can minimize the ribbon by double-clicking on the ribbon tabs.

Fig 4: Applications Tab Workbench Silverlight Ribbon

Providers in the Workbench Silverlight

Development and runtime modes of all installed and licensed ICONICS GENESIS64 products can be accessed and used in the Workbench.

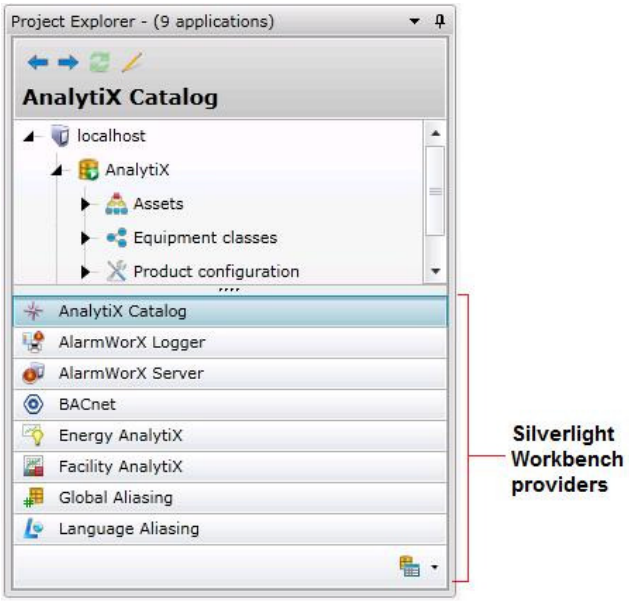

Fig 5: Providers in Workbench Silverlight

Even though all of the providers are available in the Workbench, you can pick and choose which providers appear in the Workbench's Project Explorer.

Working with Services

A number of GENESIS64 components are servers or services that you can control and modify within the Workbench Silverlight. They include:

- **AlarmWorX Server** starts and stops the alarm server, as well as provides a configuration interface to configure alarms.
- **BACnet** integrates BACnet communications into the GENESIS64 and GENESIS32/Workbench32 product families. Common BACnet applications include HVAC controls, fire detection and alarm, lighting control, security, "smart" elevators and utility company interfaces.
- **Unified Data Manager (UDM)** is a central location for storing expressions, subscriptions, groups, values, registers, triggers, and other data that can be used by any GENESIS64 application. The service can be started, stopped, and all of these data types and data instances can be created and modified within the UDM in the Workbench.
- **Global Aliasing System (GAS)** stores variable names and their values within an SQL database so that these variables can be used throughout GENESIS64 applications. Start, stop, create, and modify global aliases using this interface.
- **Language Aliasing System (LAS)** makes substitutions for language aliases whenever the assigned language in the Language Selector dialog box is changed.