Workbench
Configuration and Runtime Operations

APPLICATION NOTE

September 2013

Description: Guide to configuration and runtime features/operations of Workbench.
OS Requirement: Vista x64/ Windows 7 x64/ Windows 8 x64/ Windows Server 2008 x64/ Windows Server 2008 R2 x64/ Windows Server 2012
General Requirement: General understanding of GENESIS64 functionality and an installation of GENESIS64.

Introduction:

A core feature of GENESIS64 is its central configuration module Workbench. Since inception, Workbench has been an integral tool in allowing ease of configuration and standardization in the GENESIS64 product. Please see help documentation and other application notes to get started with Workbench.

> **NOTE:** In the recent releases of GENESIS64 there is another version of Workbench - Workbench-SL based on the Silverlight technology) becoming very popular. Please see related application notes and other documentation to get started with Workbench-SL.

The most recent features of Workbench for configuration and runtime operations include:

- **Workbench Runtime** - where users can preview configurations and load examples.
- **Cardflow Navigation** - for easy identification and movement between displays.
- **Customizable Ribbons** - that offer the familiarity of Microsoft Office while providing easy access to a wide variety of settings.

This application note will provide a cursory introduction to the new power of Workbench while pointing the user to sources within GENESIS64 for more information.

Workbench Runtime:

1. Open Workbench from Start → All Programs → ICONICS → Workbench.
2. In the "Home" tab under the "Mode Switch" group there is a Runtime button. Clicking this button will enter Workbench Runtime (Alternatively you may click "Runtime" on the tool bar in the top right corner).

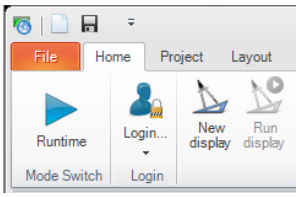

Figure 1 - Runtime Option in the Ribbon

> **NOTE:** The user can toggle modes by using the Runtime and Configure buttons in the Mode Switch group of the Home tab shown above.

3. Workbench Runtime allows users to preview GraphWorX64 displays and activate them quickly and easily. Another feature is the ability to use Layouts to have multiple GraphWorX64 displays, AlarmWorX64 Viewers, TrendWorX64 Viewers and GridWorX64 Viewers on the screen at one time.
4. Some layouts are preconfigured for the user in the "Layouts" tab of the Runtime Ribbon. Others can be generated and added to the Layout Gallery view the Template Editor on the "Arrange" tab. First, it is helpful to choose or customize a Template.
5. To add a custom template to the Template Gallery follow the steps below:
   a. Go to the Arrange Tab and Select the Template Editor in the "Edit" group.
   b. Use the "Split Selected Panels" buttons to split the panels vertically or horizontally.
   c. Save your template (.wbtx extension).
   d. Once you have a template saved you can load it via the Templates Gallery dropdown menu (Arrange → Templates Gallery → Import Templates to Gallery).

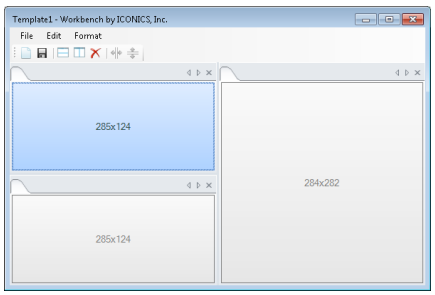

Figure 2 - Template Designer

> **NOTE:** The Template Editor is helpful, but many templates come preconfigured in the Template Gallery for quick customization.

6. To save this arrangement as a Layout the user can open the files they want to view (GraphWorX64 displays,

AlarmWorX64 or TrendWorX64 Viewers) and then select "Save Current Layout to Gallery" from the Layout Gallery drop down menu on the Layouts tab.

7. As an alternative to having multiple displays shown on the screen, the **Carousel** is a feature that allows the user to create a custom list of displays or layouts to switch through at a user specified interval. This can be helpful for periodic monitoring of data that is not mission-critical.

Cardflow Navigation:

1. Open Workbench from Start → All Programs → ICONICS → Workbench.
8. Go into **Runtime** (Upper right hand corner) and click on the "Card Flow" tab.
9. Activate Card Flow by clicking the "Card Flow View" button in the "Card Flow Behavior" group.

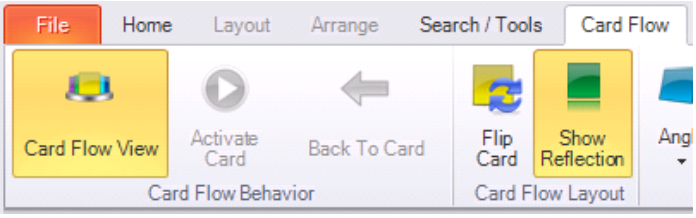

Figure 3 - Card Flow View Option

NOTE: Clicking "Activate Card" will open the selected display.

10. The user can utilize the Project Explorer (shown docked to the left of the screen – pinning ( ) it may be necessary) to navigate through folders and displays to quickly find and identify accurately the display they aim to find.
11. A scrollbar at the bottom of the screen can speed up searching and a hierarchical arrow appears at the top or bottom of the current selection to indicate that the user can move up or down in the folder tree to navigate displays.

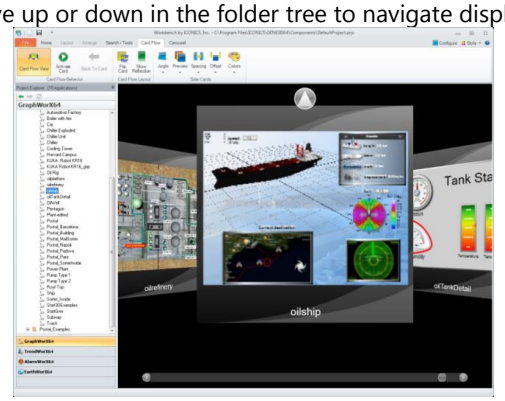

Figure 4 - Card Flow View

NOTE: A typical card flow display with the example "oil ship" selected. The "Up" arrow shows that it is contained in a folder, in this case the GWX_3D_Examples folder.

12. The remainder of the Card Flow Ribbon has visualization options for a customized look and feel.

Customizable Ribbons:

1. With a familiar Microsoft Office Ribbon GENESIS64 comes a visual menu of commands and actions for easy location of functions.
2. Also included with GENESIS64 is the ability to customize the look and feel of the Ribbon with the "Style" menu in the top right corner of Configuration and Runtime modes. Styles echo recent Windows Operating Systems and Office versions as well as allow for completely custom color schemes.

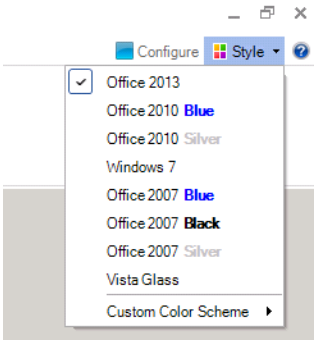

Figure 5 - Customizing Workbench Style

NOTE: The Style menu in Workbench.

3. Customization is also available through the Quick Access Toolbar where frequently run functions or commands can be docked for rapid configuration.

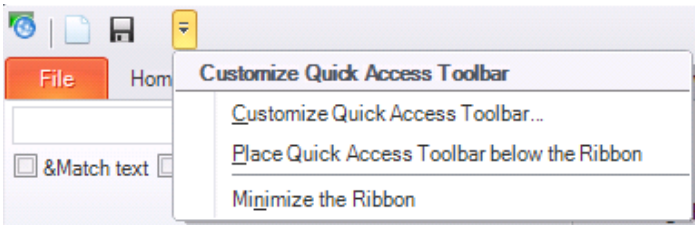

Figure 6 - Customizing Quick Access Toolbar