



GraphWorX64

Configuring Global Color Themes



APPLICATION NOTE

October 2015

Description: Guide to configuring global color theming for a GraphWorX64 display.

General Requirement: Familiarity with Global Aliasing.

Introduction

With GraphWorX64, you can configure global themes to set and change the color configuration of GraphWorX64 displays, objects on the displays and any/all embedded .NET controls in runtime simultaneously.

Configuring Global Color Themes

There are two steps to configuring a global color theme:

- Add and configure the Global Alias Color Themes in the Global Aliasing Configurator.
- Apply the Color Alias to all required displays, objects and .NET controls in GraphWorX64.

Configure the Global Alias Color Themes

1. Open the Workbench and expand your project. Then go to Platform Services → Global Aliasing.
2. You should already see a Theme called "Color Theme" in the list of theme values in Workbench.
3. Right click on the color theme and add as many theme values as will be required i.e. Day, Dusk and Night. Also select the default theme value.

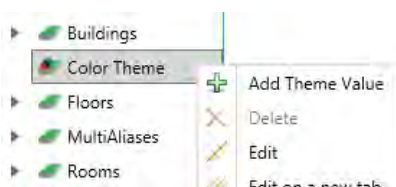


Figure 1 - Add Theme Value

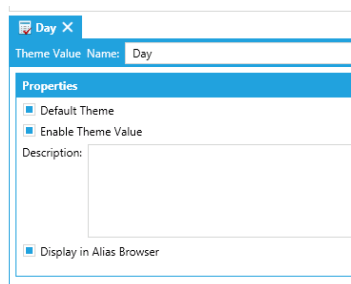


Figure 2 - Select the Default Theme

Once the theme and theme values have been created it is time to edit the color palette and start assigning values.

4. To edit the color palette expand aliases and select Color Palette.

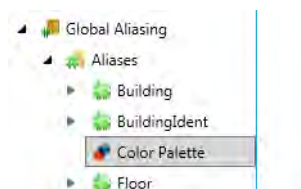


Figure 3 - Select Color Palette

5. Once this is selected assign the color theme, which should also pull in the theme values as alias values.
6. To assign a palette value choose the theme value you want to select, and click on "(Configure Palette)"
7. This will launch the color palette configuration, you will need to assign a name, this should be set to something meaningful or descriptive such as background or GroupHeaderBackground

NOTE: Logically this should be the property it will be assigned to see GraphWorX section.

8. To assign a color start typing a value (hex) or browse from the color list available from the button on the right.

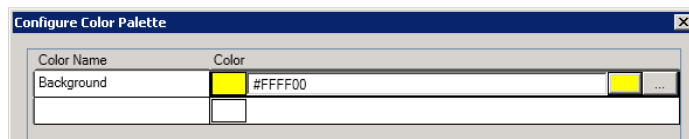


Figure 4 - Select Color

NOTE: it is possible to import/export the color lists from here as txt files.

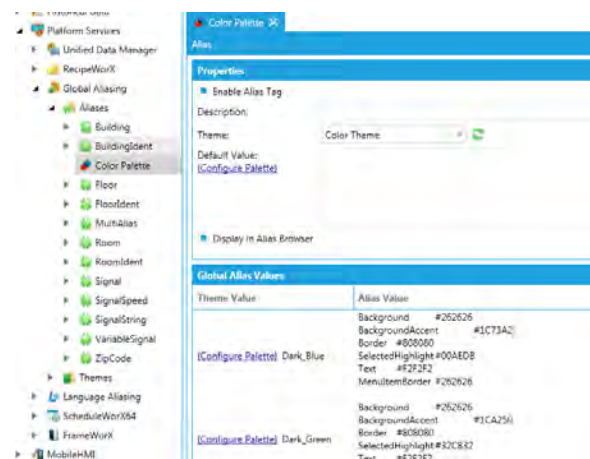


Figure 5 - Completed Color Theme



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Assign Global Color Aliases to GraphWorX64 Objects

1. Open the GraphWorX displays where the color change is required.
2. Select the Canvas, .Net Control or Object and select the property in the Properties windows/Advanced tab where the color alias needs to be applied.

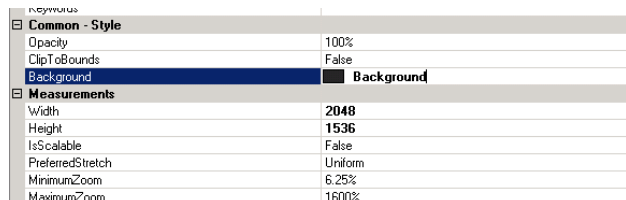


Figure 6 - Color Change in Canvas Properties

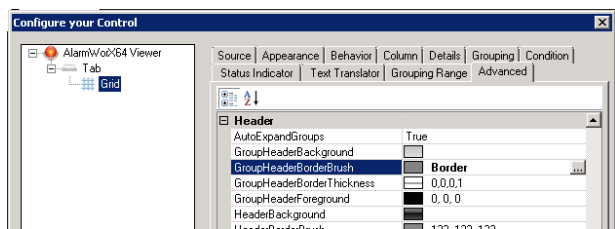


Figure 7 - Color Change in Advanced Properties of .NET Control

3. Click on the ellipses and select the Global Color Alias.
4. Repeat for all Displays, Canvases, Objects and .NET Controls that require color change aliases.

Global Color Themes in Runtime

To trigger a color changes in runtime you have a few options.

1. Add a pick action to Command Set Global Aliases. Browse the Set Global themes and Aliases Window and select the required color theme.

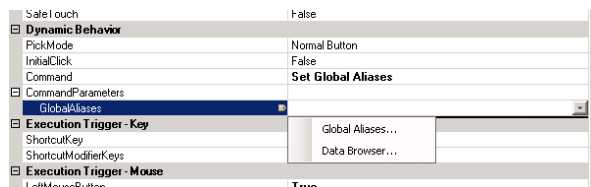


Figure 8 - Pick Action Set Global Aliases

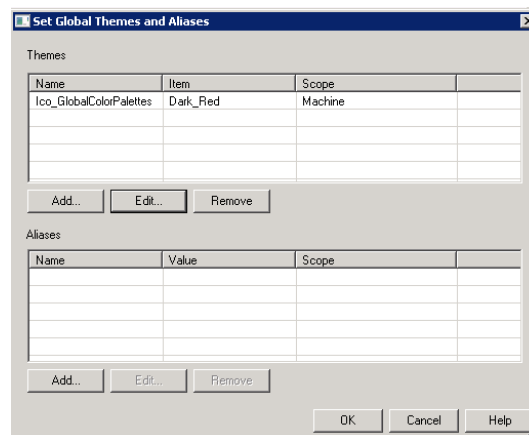


Figure 9 - Configure the Pick Action Command

2. Add a pick action to Global Command Set Global Color Theme. Specify the ThemeName.

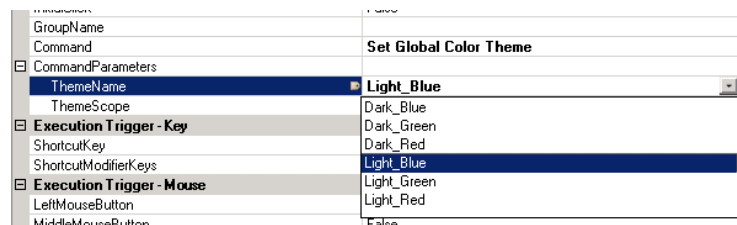


Figure 10 - Pick Action Set Global Color Theme

3. It is possible to use the ribbon item Theme, this can be used in Runtime as well as in Configuration Mode.

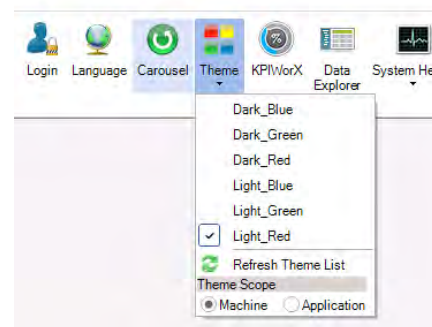


Figure 11 - Theme Button