



Description: Guide to applying Global Aliasing theme to a WebHMI display from the URL of a webpage

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: Installation of IIS with Active Server Page (ASP) enabled.

Introduction

Global Aliasing is a powerful tool that allows the users to easily navigate to show different OPC values using the same display. When these displays are published, users may want the ability to set the theme value from the URL instead of clicking on a button on the display to set it. This allows for easy and fast access to a particular page using a particular theme.

This document will walk you through the steps of specifying a theme value for a display through the URL.

Specifying a Theme in the URL

1. Publish the GraphWorX32 display as you would normally.

NOTE: From more information on how to publish a GraphWorX32 display, please refer to the application note entitled *WebHMI – Web Publishing Wizard Quick Start*.

2. Open up Windows Explorer and browse to C:\Program Files\Common Files\ICONICS\WebHMI (or the local directory to which you have published your display to).
3. Find the .htm file to your published display and rename the file extension to .asp.

NOTE: You may need to enable the view of file extensions. You can do this by editing your folder options by clicking on Tools → Folder options. Once the Folder Option window opens, go to the View Tab, and uncheck "Hide extension for known file types".

4. Add the following code before </Head>:

```
<SCRIPT LANGUAGE="VBScript">
<!--
Sub vbSetTheme()
    GWXViewer_100.GetDisplay.SetGasTheme("<%=Request.QueryString("Theme") %>")
End Sub
-->
</Script>
```

NOTE: GWXViewer_100 must match the ObjectID given to the GraphWorX32 ActiveX in the code.

5. Find the Line <BODY Language="javascript" onscroll="SmoothScrolling();" Leftmargin=0 rightmargin=0 topmargin=0 bottommargin=0 bgcolor=#bbbbbbbb>.

6. Add onLoad="vbSetTheme()" in the line you found in step 5 between BODY and language.
7. You can refer to the Sample Script Section for an example of what the code should look like.

URL Syntax

After making the above changes, the path to your webpage becomes

```
http://ServerName/WebHMI/PageName.asp?Theme=ThemeName=ThemeValue;
```

ThemeName=ThemeValue is the variable being passed into the webpage. For example, if your theme is "Buildings" and one of your theme-value is "BuildingA", then your URL would look like

```
http://ServerName/WebHMI/PageName.asp?Theme=Buildings=BuildingA;
```

You can determine this theme string by using the text from the "Select GAS Theme" pick action in GraphWorX32.

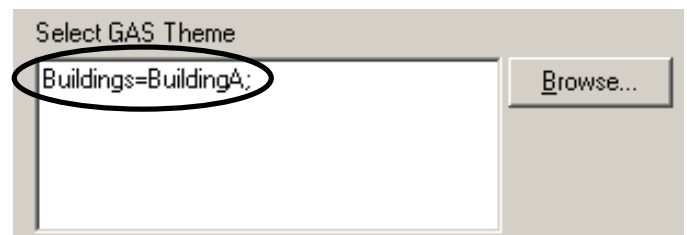


Figure 1 - Theme String in Pick Action



Example Script

Below is an example of what the .asp file should look like. Changes to the code are highlighted in yellow. The ObjectID variation discussed in Step 4 of the Specifying a Theme in the URL section is highlighted in Turquoise.

```
<HTML>
<HEAD>
<META NAME="GENERATOR" Content="ICONICS Multi-file Publishing Utility">
<TITLE>Theme</TITLE>
<SCRIPT LANGUAGE="JavaScript" src="http://CHRISMLAP/WebHMI/script/WebHMI.js"></SCRIPT>
<SCRIPT LANGUAGE="VBScript">
<!--
Sub vbSetTheme()
    GWXViewer_100.GetDisplay.SetGASThemes("<%= Request.QueryString("Theme") %>")
End Sub
-->
</SCRIPT>
</HEAD>
<BODY onLoad="vbSetTheme()" language="javascript" onscroll="SmoothScrolling();" leftmargin=0 rightmargin=0 topmargin=0
bottommargin=0 bgcolor=#bbbbbb>

<OBJECT id=GenVersion style="display:none" CLASSID=clsid:D25FCAFC-F795-4609-89BB-5F78B4ACAF2C
codebase="http://NodeName/WebHMI/cabs/GenVersion.cab" VIEWASTEXT></OBJECT>

<a id=ax1></a>
<SCRIPT language="javascript">
    var clsidver = "::::57802C16-9A15-11D4-B2A8-0090272E599B::8,0,124,0::";
    clsid_version[1] = clsidver.split("::");
    ObjectIDs[1] = "SetServer2";
    CabNames[1] = "IcoSetServer.cab";
    ActiveXStyles[1] = "WIDTH="2" HEIGHT="2";
    Downloadable[1] = SecurityCheck(clsid_version[1][_CLSID]);
    ActiveXParams[1] = <PARAM NAME="CfgName" VALUE="http://NodeName/WebHMI/Samples/Default.gbx">;
    CodebaseRenderable[1] = true;
</SCRIPT>

<div id=ax2></div>
<SCRIPT language="javascript">
    var clsidver = "::::98A5DDE3-563B-11CF-A343-487C03C10000::8,0,136,0::";
    clsid_version[2] = clsidver.split("::");
    ObjectIDs[2] = "GWXViewer_100";
    CabNames[2] = GetArchiveNameFrom("GWXview32");
    ActiveXStyles[2] = "WIDTH=100% HEIGHT=98%";
    Downloadable[2] = true;
    ActiveXParams[2] = <PARAM NAME="_Version" VALUE="65537">' +
        <PARAM NAME="_ExtentX" VALUE="8467">' +
        <PARAM NAME="_ExtentY" VALUE="6350">' +
        <PARAM NAME="_StockProps" VALUE="160">' +
        <PARAM NAME="BorderStyle" VALUE="1">' +
        <PARAM NAME="Appearance" VALUE="1">' +
        <PARAM NAME="UseAmbientBackColor" VALUE="0">' +
        <PARAM NAME="AutoStartRuntime" VALUE="-1">' +
        <PARAM NAME="OverrideScrollbarSettings" VALUE="0">' +
        <PARAM NAME="VerticalScrollbar" VALUE="0">' +
        <PARAM NAME="HorizontalScrollbar" VALUE="0">' +
        <PARAM NAME="DisplayName" VALUE="http://NodeName/webhmi/Samples/theme.gdf">;
    CodebaseRenderable[2] = SecurityCheck(clsid_version[2][_CLSID]);
</SCRIPT>
<SCRIPT language=javascript>
    WebHMIRoot = "http://NodeName/WebHMI";
    NumItems = 2;
    RenderComplete(0);
</SCRIPT>
</BODY>
</HTML>
```