



Description: This Application Note shows you how to use the Export Local Copy option of the Web Publishing Wizard as a work around to publishing issues.

OS Requirement: Windows 2000/XP/2003

General Requirement: Using default directory structure of WebHMI. Using IIS Web Server or Apache Web Server.

Why Use Publishing Alternatives?

Sometimes it is necessary to use publishing alternatives if publishing your GraphWorX32 (or AlarmWorX32 or TrendWorX32) files to a Web Server is not an option. For instance, if the Web Server is not yet set up or prepared for files to be published to it, or if permissions on the Web Server are not allowing files to be published to it. You may also need an alternative for posting your files to the Web Server if posting via HTTP is not allowed.

The two main alternatives to publishing displays to your Web Server via HTTP are exporting a local copy, or publishing via FTP. When you export a local copy of a display, the .HTM file is created for that display with the intentions of local use. You can then modify that .HTM file for use on a Web Server so that it can be viewed remotely if desired. Publishing via FTP is essentially the same as publishing via HTTP; the files are simply posted to the server via FTP protocol instead of HTTP protocol.

Exporting a Local Copy

First, make sure that the display you are exporting a local copy of the .HTM file for is saved of type **GraphWorX32 Displays without VBA (*.gdf)**.

1. Open the **Web Publishing Wizard** by choosing

Tools→Publish to HTML, or by using the  button on the **Main Toolbar** in GraphWorX32.

2. To export a local copy only, uncheck the **Publish to Web Server** option, and check the **Export Local Copy** option, as shown in **Fig. 1**.

NOTE: You can export a local copy while publishing to the Web Server if appropriate by leaving both options checked.

3. You may select where you want to export the resulting .HTM file. In this example, shown in **Fig. 1**, the display was exported to the Desktop (the same location where the actual display was saved).

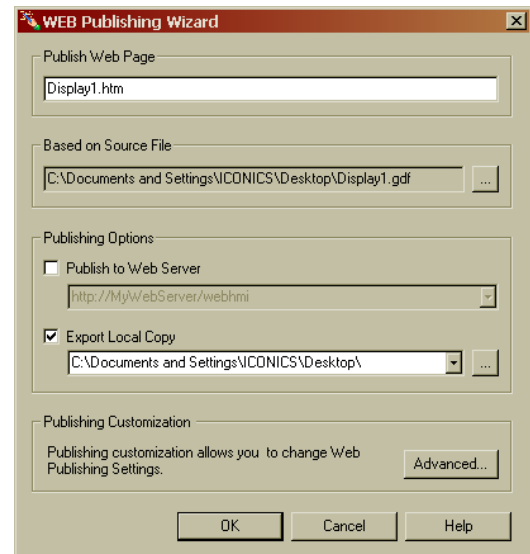


Fig. 1: Exporting a Local Copy from the Web Publishing Wizard

Advanced Options

4. Click on the **Advanced** button, then the **General** tab, as shown in **Fig. 2**.

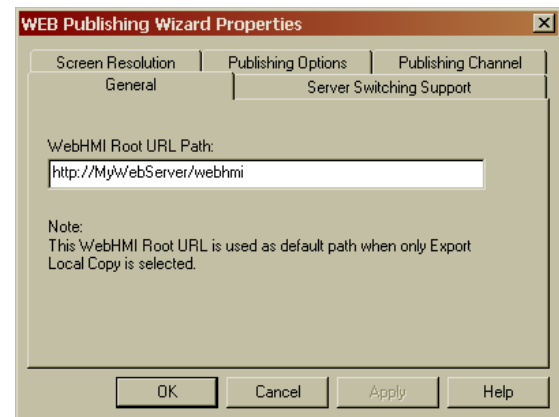


Fig. 2: General Advanced Publishing Properties

5. Your **WebHMI Root URL Path** should be <http://MyWebServer/webhmi> where **MyWebServer** is the name or IP address of the Web Server on which this file will ultimately reside. This allows the local copy to be exported for a specific web server rather than *localhost*.
6. Now click on the **Server Switching Support** tab to choose the GenBroker Configuration file (.gbx) to be used in this publication.
7. If you are using **default.gbx**, configured for you during installation based on the options you choose, choose **As Configured in WebHMI Settings**.



8. If you have configured your own .gbx file to be used in WebHMI communications, choose **User Defined** and define the correct file to be used. The path for the file should not be a local path, but a URL format path (e.g. <http://MyWebServer/WebHMI/MyConfigFile.gbx>).
9. Exit Advanced Options by clicking **OK**.

Modifying the .HTM File

Once you have exported the .HTM file, you now must edit it to properly reference your published display if you plan to use this over the Web.

1. Open the .HTM file in a text editor and press **Ctrl+F** to search for **DisplayName**. You should find one instance of this, at the end of the code. Next to it you will see the path to where the published display resides on the machine.
2. In this example the display was saved to the desktop, so a local path to the file on the desktop would be in the HTML code, as shown below.

```
'<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="C:/documents and settings/ICONICS/Desktop/Display1.gdf">' +  
'</OBJECT>';
```

3. This local path needs to be replaced with a URL path rather than a local path to work over the Web. Replace everything up to the display name with <http://MyWebServer/webhmi/>.
4. In this example, the path would be changed to <http://MyWebServer/webhmi/display1.gdf>.

```
'<PARAM NAME="OverrideScrollbarSettings" VALUE="0">' +  
'<PARAM NAME="VerticalScrollbar" VALUE="0">' +  
'<PARAM NAME="HorizontalScrollbar" VALUE="0">' +  
'<PARAM NAME="DisplayName" VALUE="http://MyWebServer/webhmi/display1.gdf">' +  
'</OBJECT>';
```

5. Once you have done this, save and close the .HTM file.

Moving Files to the Web Server

You now can move your files (display file and corresponding .HTM file) into the appropriate directory on your Web Server. If you are using an IIS Web Server, move both the GraphWorX32 display file (.gdf) and its corresponding .HTM file into the **C:\Program Files\Common Files\ICONICS\WebHMI** directory. If you are using Apache Web Server (installed following the instructions provided in the Applications Note entitled "Installing WebHMI on Apache Web Server"), move the two files into the **C:/Program Files/Apache Group/Apache2/htdocs/WebHMI** directory.

NOTE: if the display you are making available via WebHMI has other displays linked to it (through pick actions), directly or

indirectly, you must also move the linked displays (.gdf files) into the appropriate Web Server folder described above.

Publishing via FTP Protocol

In the case that HTTP posting is not allowed or is disabled on your Web Server, it might be necessary to post the files using FTP Protocol. This is newly supported in GENESIS32 Version 8.0.

As a specific example, Windows Server 2003 has HTTP posting disabled for security reasons. The only way to publish successfully from GENESIS32 on a Windows Server 2003 machine is by using FTP as the posting protocol. Publishing this way can, however, be used on any system as long as FTP Service is installed.

For instructions on how to publish GraphWorX32 displays via FTP instead of HTTP, see the applications note entitled **WebHMI – Publishing GraphWorX32 Displays with Windows Server 2003**.