Your comments and suggestions on the operation of this software are welcome. Please address them to:

ICONICS

100 Foxborough Blvd.

Foxborough, MA 02035

Tel: 508-543-8600

Fax: 508-543-1503

E-Mail: support@iconics.com

Web: www.iconics.com

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Introduction

ICONICS GENESIS32 allows you to convert from Intellution FIX displays to ICONICS GraphWorX32 displays. The "FixToGwxTranslator.exe" application, located in the **Tools** directory of the GENESIS32 product CD, is a simple utility that converts FIX *.jdf files to GraphWorX32 *.gdf files.

What Are .jdf Files?

The *.jdf files are produced by a "FIX Web Server conversion utility," which is available as a part of the FIX Web Server installation. This utility will convert FIX picture files (.odf) to Web Server files (.jdf, .bmp).

Using the Translator

To convert FIX picture files, start the "FixToGwxTranslator.exe" from the **Tools** directory on the GENESIS32 product CD. This opens the user interface, shown below. First select the source *.jdf file by clicking the **Browse** button (top). The *.jdf files are produced by a "Fix Web server conversion utility" (see the **FIX Web Server Conversion Utility** section below).

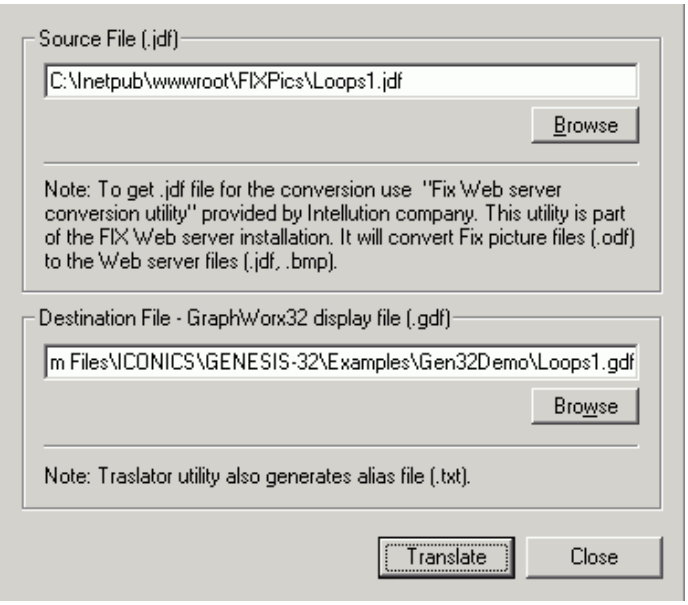
Then select the destination *.gdf file to which the source file will be converted by clicking the **Browse** button (bottom). By default, the GENESIS32 Working Directory is preset in the edit box. The GENESIS32 working directory can be changed using the GraphWorX application by selecting **Set Working Directory** from the **Tools** menu.

Then click the **Translate** button. To see and check the results, use GraphWorX32 or the GraphWorX32 Viewer ActiveX.

The FixToGwxTranslator utility is capable of converting only one FIX display at a time. For conversion of all the FIX displays, run the utility repetitively.

Note:

Translating of Intellution pictures that contain thousands of objects is time consuming.



FIX to GraphWorX32 Translation Utility User Interface

Limitations of Translation

There are two kinds of translation limitations:

1. Limitations due to the Intellution "Web export."
2. Incompatibility issues between ICONICS GENESIS32 and Intellution FIX.

Translator Limitations

This release does not translate the following:

Alarm and Trend viewers

Dynamic properties of FIX Picture Elements that are not supported by the ICONICS FIX to GraphWorX translator:

- **EndPoint1 and EndPoint2:** EndPoint dynamic properties are not translated for any line elements.
- **Latched & Current Alarm Colors:** Color Threshold definitions are set with respect to current value only (latched and current alarm settings are not supported).
- **Blink on a new alarm:** Blink on a new alarm dynamic property is not supported for all three color dynamics: Foreground, Edge and Background.
- **Color dynamics:** Even when ICONICS GraphWorX32 is capable of changing frame and fill colors at the same time, FIX elements having foreground and edge dynamic properties set are translated as if there were two elements instead: body(fill) and edge. This is because color dynamic of each element can be connected to different data source.

DDE Tags Translation Limitation: DDE Tags used in FIX are divided into three parts, which are aliased and compose OPC tags in GraphWorX32:

- DDE tag syntax: nodename.servername:tagname
- OPC aliased tag: \\<<nodename>>\<<servername>>\<<tagname>>

Intellution "Web Export" Limitations (v1.5)

The current release of FIX Web Server does not support all elements that can be included in FIX pictures.

FIX Picture Elements that are NOT Supported by the FIX Web Server export utility

Tag Groups and Variables: Objects that contain tag groups or variables lose any dynamic properties containing these references. The object still appears in the converted picture.

Command Language Scripts: Any command script that is attached to an object is ignored. The object will appear in the converted picture with no script information.

Text Link Background Color: The background color of any text-derived object, including static text, Data Links, Time Links, Date Links, and System Links, is not converted. These objects are displayed as if they had no background color defined.

Scaled Text Link Items: A text-derived object (static text, Data Link, Time Link, Date Link, System Link) that has been scaled in FIX Draw by dragging a control handle will not be converted in its scaled size. It will appear in the converted picture in its original size.

To address this issue, use the following procedure:

1. Open the picture in Fix Draw.
2. Select the text item(s).
3. Use the **Font** menu to select a new font size for the text item. The new size must be different from the default size shown in the dialog.
4. Click **OK** to accept the new size. You may need to repeat this process until the text appears in the correct size in the Draw picture.
5. Save the picture and reconvert using the FIX Web Server Conversion Utility.

Invisible Colors: Objects with "invisible" colors in FIX threshold tables allow other colors to show through. When converted, the threshold tables with invisible colors behave slightly differently. If the threshold color is visible, the object is colored correctly. However, for those threshold values that would create an "invisible" color, the entire object becomes invisible. This is true for any color threshold: foreground, background, edge, or alarm.

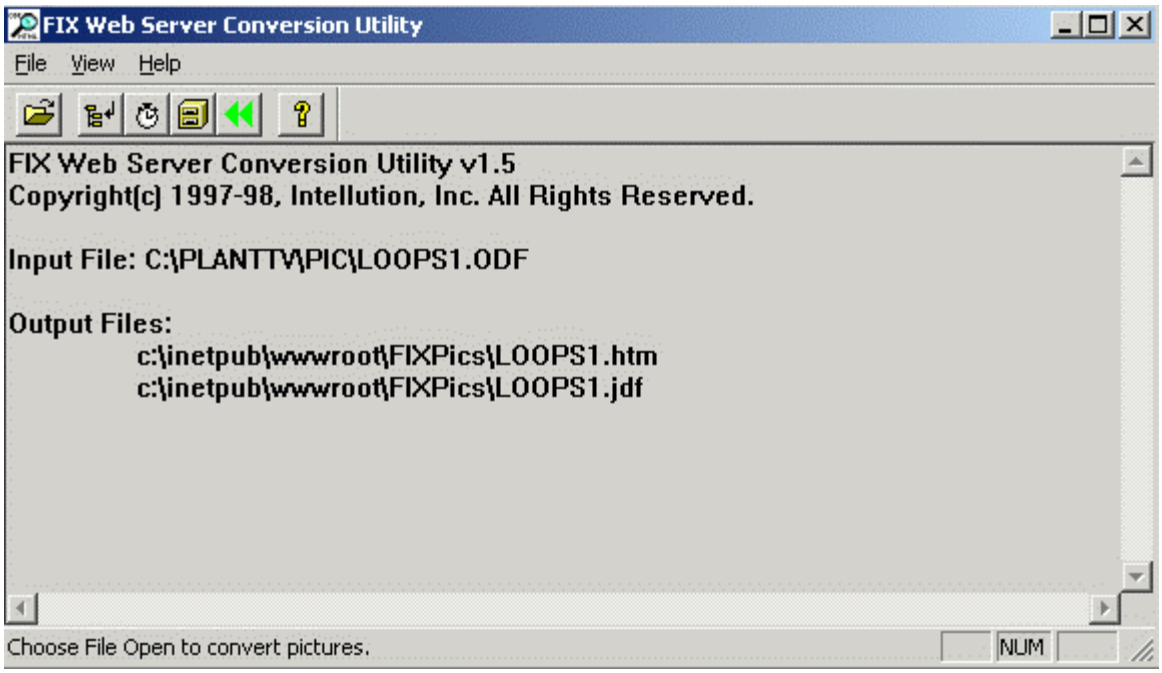
Background Color Thresholds: In FIX Draw, background color thresholds work the same way as foreground thresholds; that is, you never really see the background color if the foreground is visible. When converted, the background color of the object becomes visible. In order to duplicate the behavior of FIX View, Intellution recommends changing objects with backgrounds to use foreground thresholds instead.

Fill Styles: Only solid and hollow fill styles are supported by FIX Web Server. Other fill styles are converted to solid fill.

FIX Web Server Conversion Utility

The FIX Web Server Conversion Utility is available as a part of the FIX Web server installation. This utility will convert FIX picture files (.odf) to the Web server files (.jdf, .bmp).

For more information about FIX Web Server Conversion Utility, refer to FIX Web Server Help.



FIX Web Server Conversion Utility