



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

The *ICONICS InTouch To GraphWorX32 Translator* uses SAX2 to parse and convert exported .xml InTouch windows into .gdf files. Therefore, implementation of XML3.0 or higher must be installed on your computer in order to run this utility successfully.

IMPORTANT NOTE

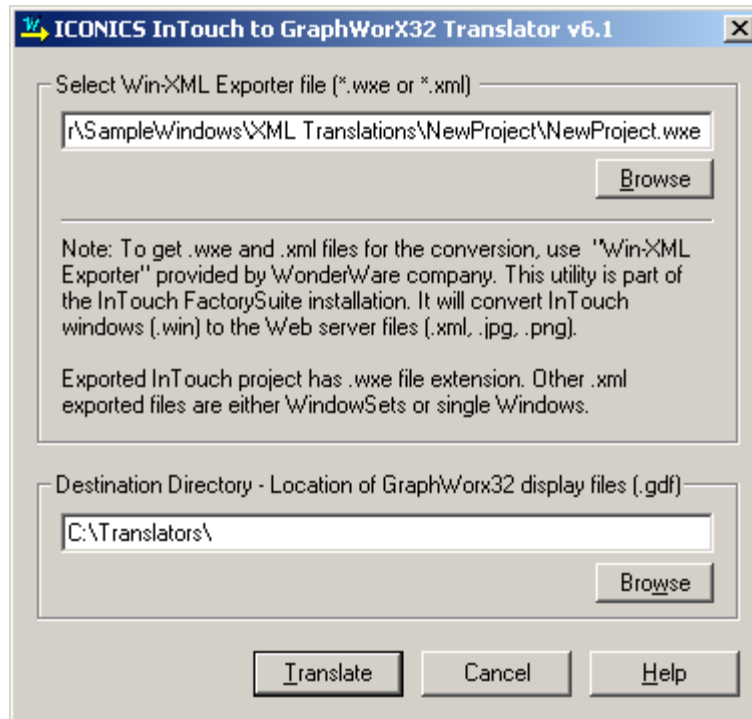
It is highly suggested that you run *ICONICS InTouch to GraphWorX32 Translator* on a machine with *GraphWorX32 v7.0* (or GENESIS-32 v7.0) installed. Since WonderWare pictures are saved in JPG or PNG format and GraphWorX32 v6.1 does not support importing *.jpg and *.png files, you can get expected results only with GraphWorX32 v7.0. The translator utility will still work with GraphWorX32 v6.1 but no picture will be created inside the converted window.

InTouch To GraphWorX32 Translator

The **ICONICS InTouch to GraphWorX32 Translator** was designed to provide the conversion of WonderWare™ InTouch™ windows into GraphWorX32 displays as easily as possible. It can provide the conversion either for a single window, set of windows or the whole project.

You can specify file(s) to export in the **Select Win-XML Exporter file** edit box (or browse for the file by clicking the **Browse** button). You can either select single window file (*.xml), Window Set file (wwcfg.xml) or Project file (*.wxe) as the source for translation. By default, it points to the Win-XML Exporter project file, which was created or worked on the last time the Win-XML Exporter was launched. (For more information about Win-XML Exporter or its installation instruction, please, refer to the Win-XML Exporter section below.)

Then, fill in the **Destination Directory** the path where you want to place your converted GraphWorX display files. 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.



InTouch Translator Utility

Conversion Specifics

The WwToGwxTranslator utility creates one GraphWorX display file per each exported InTouch window file. When the Window Set file is selected, it converts all windows within the Window Set.

When the project file is selected, all Window Sets included in the project are converted. Subdirectory named after the Window Set is created for all project Window Sets. All windows in all Window Sets being converted are created under the corresponding subdirectory.

Supported Conversion Types

Here is the table with conversion pairs – InTouch object on the left is converted into GraphWorX32 object on the right.

Static Objects

WonderWare InTouch	ICONICS GraphWorX32
Line	GwxLine
H/V Line	GwxLine
Polyline	GwxLine
Polygon	GwxLine
Rectangle	GwxRectangle
Rounded Rectangle	GwxRectangle
Text	GwxText
Bitmap	GwxBitmap
Real-time Trend	NOT CONVERTED

Historical Trend	NOT CONVERTED
Button	GwxButton

Dynamic Objects

WonderWare InTouch		ICONICS GraphWorX32
Line Color	Discrete	GwxDigitalColor
	Analog	GwxDigitalColor
	Discrete Alarm	NOT CONVERTED
	Analog Alarm	NOT CONVERTED
Fill Color	Discrete	GwxDigitalColor
	Analog	GwxDigitalColor
	Discrete Alarm	NOT CONVERTED
	Analog Alarm	NOT CONVERTED
Text Color	Discrete	GwxDigitalColor
	Analog	GwxDigitalColor
	Discrete Alarm	NOT CONVERTED
	Analog Alarm	NOT CONVERTED
Object Size	Height	GwxSize
	Width	GwxSize
Location	Vertical	GwxLocation
	Horizontal	GwxLocation
Percent Fill	Vertical	GwxSize
	Horizontal	GwxSize
Miscellaneous	Visibility	GwxHide
	Blink	GwxFlash
	Orientation	GwxRotation
	Disable	GwxHide
Value Display	Discrete	GwxProcessPoint
	Analog	GwxProcessPoint
	String	GwxProcessPoint
User Inputs	Discrete	NOT CONVERTED
	Analog	NOT CONVERTED
	String	NOT CONVERTED
Sliders	Vertical	GwxLocation
	Horizontal	GwxLocation
Touch Pushbuttons	Discrete Value	GwxPick
	Action	NOT CONVERTED
	Show Window	GwxPick
	Hide Window	NOT CONVERTED

Functional Limitations

Functional limitations of *ICONICS InTouch to GraphWorX32 Translator* utility are given by the limitation of the GraphWorX32 OLE automation interface and limitations of Win-XML Exporter utility.

The *ICONICS InTouch to GraphWorX32 Translator* does not translate expressions and does not convert DDE tags into OPC tags.

What Will Not Convert?

The following WindowMaker elements are NOT exported by the Win-XML Exporter:

- **Trends:** The Historical Trend Wizard is not supported in this release of SuiteVoyager Portal.
- **Alarm displays:** SuiteVoyager does not support alarm display wizards. Alarms can be viewed using the Alarms page on the SuiteVoyager Portal.
- **SPC elements:** There is no support for SPC in this release of SuiteVoyager Portal.
- **Scripts:** Window, Condition (except for While True), Key and Data Change scripts are not converted. ActiveX event scripts are converted.

NOTE The Win-XML Exporter works only with InTouch 7.1 or greater. Earlier InTouch windows must at minimum be opened and saved in InTouch 7.1 before conversion.

Translation Impurities

Text Object

GraphWorX32 text object has a gap/space between the string and its frame, while InTouch frame is close-knit to the text string. Therefore, GraphWorX32 text objects must be resize to approximately reflect the font size of InTouch text object.

Orientation Dynamic

The Orientation dynamic is translated as GwxRotation dynamic. The conversion utility creates the GwxRotation object filled with available attributes. It does not set the pivot and angle of rotation. Adjust them to make them precisely reflect the original situation.

Value Display Dynamics

WonderWare's Value Display dynamic can be directly translated as a process point only if its text object string is empty. When it is not, such Value Display will be translated into two GraphWorX32 objects, static text object displaying the string and process point displaying the value. The frame of the process point will be placed next to the text object. User then has to adjust its size and position.

Value Display Discrete Dynamic

The GraphWorX32 equivalent of WonderWare's Value Display Discrete dynamic is a process point with its states set up. Unfortunately, GraphWorX32 v7.0 automation does not allow setting up the States of a process point. Therefore, the message strings belonging to the discrete values are placed into the custom data field of translated GraphWorX32 process point.

To finish the translation of Value Display Discrete dynamic, please remove these strings (from custom data field) and use them to configure the states in State Field Configuration dialog. The first line of the custom data is the WonderWare's "On Message," while the second line is "Off Message."

Win-XML Exporter

Installation Instructions

The Win-XML Exporter utility is distributed with Wonderware' SuiteVoyager.

Note: You must have InTouch WindowMaker installed on your computer before installing the Win-XML Exporter.

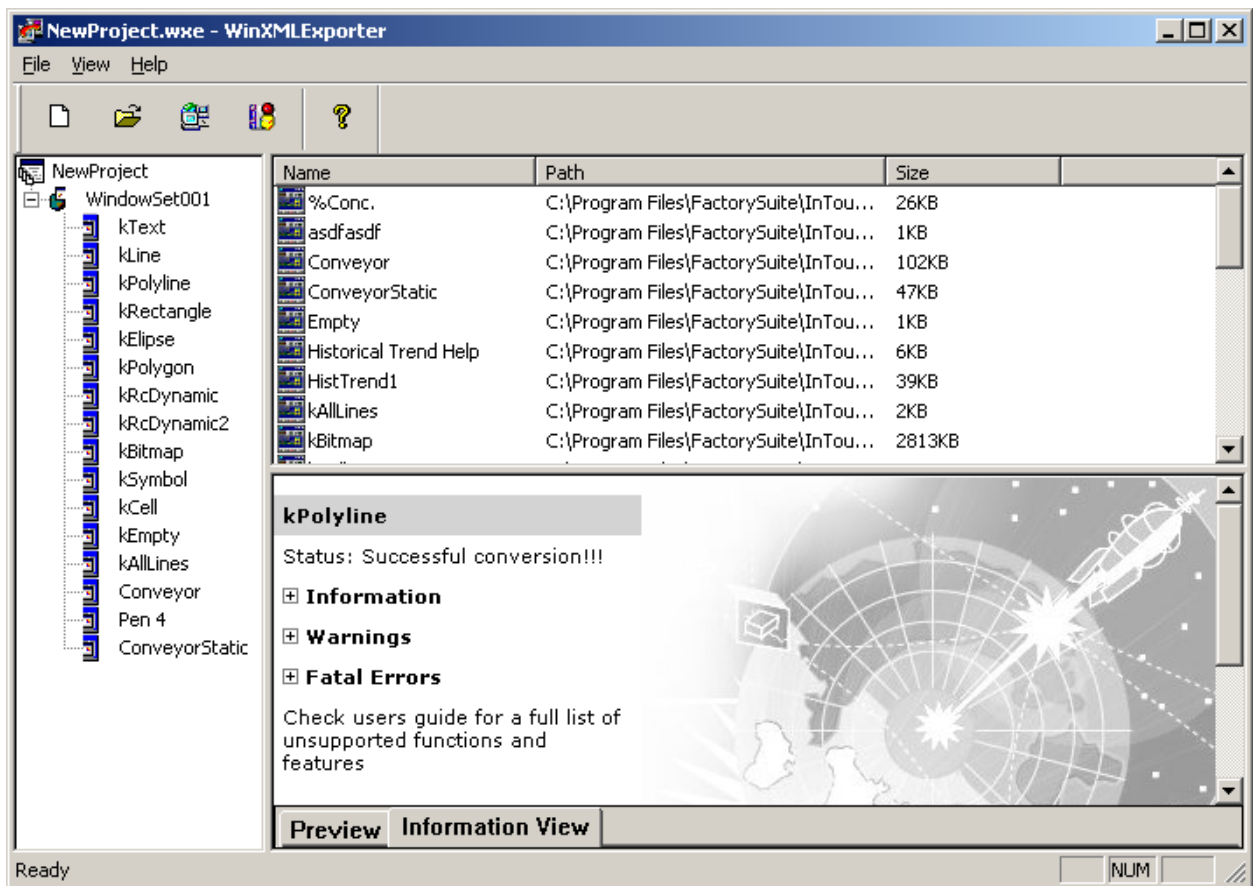
To install the Win-XML Exporter:

1. From the SuiteVoyager Portal Home Page (obtain the URL or address from your SuiteVoyager Administrator) click the Converter Tool download link. The **File Download** dialog box appears.
2. Choose **Run this program from its current location**. Click **OK**. The **Security Warning** dialog box appears. Click **Yes**. The Suite Voyager Win-XML Exporter Welcome dialog box appears. Click **Finish**.
3. The **Choose Setup Language** dialog box appears. English is the default. Select the language you want and click **OK**. Setup begins and the **Welcome** dialog box appears. Click **Next**.
4. Choose the destination folder. This is where the Win-XML Exporter will be installed. Click **Next**.
5. The files are installed. When the **Setup Complete** dialog box appears, click **Finish**.

For more information about Win-XML Export, refer to its Application Design Guide.



Win-XML Exporter Installation Running



Win-XML Exporter