



ProjectWorX Pack and Go



APPLICATION NOTE

August 2014

Description: Guide to using the ProjectWorX tab in Workbench-SL to pack and unpack your GENESIS64 project.

Introduction

The Workbench is the centralized Web-based environment for configuration of GENESIS64 components. The Workbench also has a built-in project management functionality which allows users to move whole configurations from one installation to another using a single file. It includes only the configuration data, packing both files and database data. It also includes the ability to restore the active database.

Project management is performed using the Deployment section of the ProjectWorX ribbon in Workbench-SL. The Deployment section is comprised of the following components:

- Pack & Go
- Unpack Project
- Explore Package
- Encrypt Package

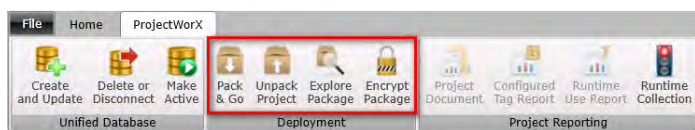


Figure 1 - ProjectWorX Deployment Section

This document will walk you through the steps of packing and deploying a GENESIS64 project using the Workbench-SL. Exploring and encrypting packages is not covered in this application note but you can read more about these intuitive features in the help documentation.

Packing Project

1. Click on the **Pack & Go** button in the Deployment section of the ribbon in Workbench-SL. This opens the first screen of the **Pack and Go Wizard** where you can type a description of the task which will be shown in the Task Explorer when executed.



Figure 2 - Initial Screen of Pack & Go

2. Click **Next** and The System Analysis screen appears. You will see a listing of the providers contained in your project and whether they are supported.

NOTE: You may add or remove providers from your project by means of Edit option in File menu.

3. Review the analysis results, and click **Next** to continue. The Advanced Settings screen appears, as shown below.

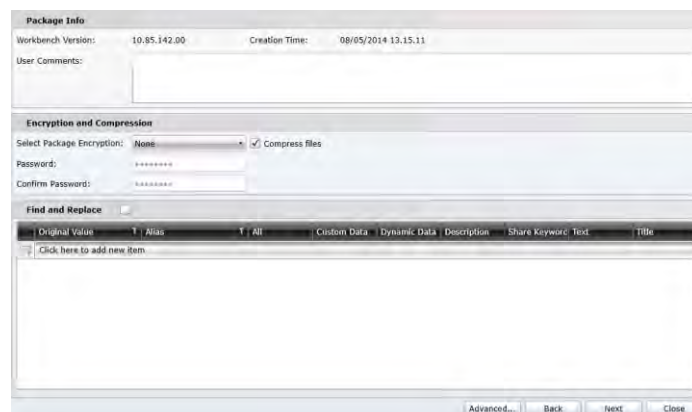


Figure 3 - Advanced Settings

In this step you may perform the following actions.

- a. You may add **User Comments** to enrich the project management data. The Pack and Go Wizard will automatically show the **Workbench Version** and **Creation Time** of your current project.
- b. You may set **Encryption and Compression** for your package. You may choose one of three options – None, Protected or Encrypted (which includes password protection).
- c. You have an option to **find and replace** values in your project by a placeholder called Alias. Later when unpacking the project you can replace the Alias with the values relevant to the specific deployment. You may select specific properties to be replaced as shown in the following table.



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Table 1 - Properties that can be replaced

Option:	Replaces the Original Value in the following properties:
All	All of the properties listed below
Custom Data	CustomData property of objects
Dynamic Data Source	OPC tags used as data sources in objects' DataSource property
Description	Description property of objects
Share Keyword	ShareKeyword property of objects
Text	Text property of objects
Title	Title property of objects such as AlarmWorX and TrendWorX objects

- d. Finally **select providers** to be included in the package by clicking on **Advanced...** button. You can also select individual Providers and then select specific **Items** in the section to the right. The Items section is set up to mimic each Provider's Tree Explorer, allowing you to expand branches/nodes in order to select certain items for inclusion in the packed project.
 4. Once you have finished updating your Advanced Settings, click on **Next**.
 5. The Display File Selection window appears and you can add a list of displays into the package.
- NOTE:** You can also include non-display files into the project if necessary.
6. Once you have made your desired updates to this window, click **Start** to begin packing your project.

Workbench-SL then begins the process of packing the project. You can see the status of the project in the Task Panel in the right side of Workbench-SL, as shown below.

NOTE: Right clicking on the task in the Task Explorer allows you to download the project package to a custom location. By default it is saved in the Tasks subfolder of the Workbench-SL installation folder.

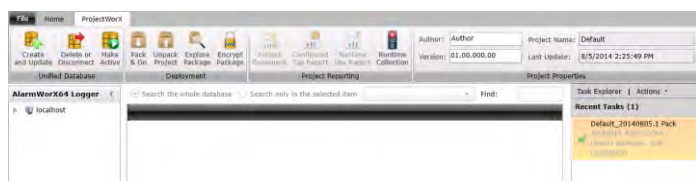


Figure 4 - Task Explorer Showing Task Status

Unpacking project

1. Click on **Unpack Project** button to open an initial screen where you can fill in the Task Description which will be shown in Task Explorer.
2. **Select** a package file by means of the ... button and click **Next**.



Figure 5 - Unpack wizard

3. When the System Analysis finishes, click **Next**.
4. The Advanced Settings screen provides you:
 - a. Package info including User Comments
 - b. Options to Create new items, Update existing items, Delete nonexistent items in the project and Activate the unpacked databases when the import completes
 - c. The option to replace the aliases created during packaging with desired values.
 - d. Advanced options to select which providers or eventually which items should be unpacked. You can also modify the target database for every provider.
5. Once you have finished updating your Advanced Settings click on **Next**.
6. During the Display File Selection you are provided with a list of all packed files. You may select which of them should be unpacked and their destination folders.
7. Once you have made your desired updates to this window, click **Start** to begin unpacking your project.

Workbench-SL then begins to process the packaged project. You can see the status of the project in the Task Panel in the right side of Workbench-SL.