


WAY4TM Configuration Inspector

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Introduction

This document is an introduction to WAY4™ Configuration Inspector functionality.

In this document, the  sign indicates information about important features, additional facilities, or the optimal use of certain functions in the system.

Chapter 1. Purpose

Configuration Inspector is used to copy configuration data from one WAY4 database (DB) instance to another for various types of testing and to copy changes in configuration data to a production system.

WAY4 Cards configuration data (configurations) include: business settings, system settings, Product settings, card production settings, global parameter settings, solution topology settings, etc.

A configuration does not include:


- WAY4 Manager and DB Manager client application forms and menus.
- BIN table records and the content of OPT tables.
- Custom procedures.
- WAY4 users and grants.

Configuration Inspector makes it possible to reduce the volume of manual settings, thereby minimising the number of human errors and the time required to set up DB instances.

Chapter 2. Functionality

Configuration Inspector supports export/import of configurations. At the export stage, the user defines the composition of a configuration for export by specifying a set of DB tables containing WAY4 configuration data or by specifying a period in which changes were made to a configuration.

Automatic integrity of a configuration is supported, as well as protection from repeat import and application of the same configuration.

 Configuration Inspector can be used in test and production systems that have different WAY4 versions, that is, import from a version that differs from the target version is supported.

The export/import process for part of a configuration is shown below (see Fig. 1).

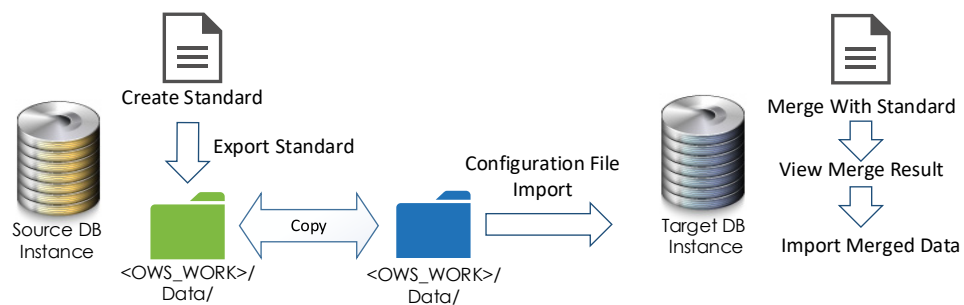


Fig. 1. Exporting/importing part of a configuration

Resulting from export, a file with data for the part of the configuration specified by the user will be created on the source node.

The import process is started in the target node. During import, the configuration being imported must be matched with the current one.

According to the results of matching, the user can either choose not to import the part of the configuration for import or specify which changes to the configuration will be applied in the target node (Force Skip or Apply), after which the configuration will be imported.

After the configuration has been applied, update all copied settings (for more information, see the document "Financial Institutions").

Chapter 3. Use Cases

The main use cases for Configuration Inspector are the following:

1. Copying part of a configuration from one DB to another.
2. Copying part of a configuration from several DB to one DB.
3. Copying Products from one financial institution to another.
4. Use together with the Configuration Management Tool (for more information, see the document "WAY4™ Configuration Management Tool").

Copying Part of a Configuration from One DB to Another

First, export of the relevant part of the configuration is started in the node with the DB that is the configuration's source. This results in creation of a file with the configuration. Next, this file is transferred the node with the DB that is the configuration's target and the import process is started. The configuration being imported is matched with the current one.

Uses:

- To copy nodes for various types of testing in one configuration.
- Replication of a prepared part of a configuration between test systems (synchronization).
- Before recreating a test bench to save a configuration under development (if the test system must be updated, and development is not complete).

Copying Part of a Configuration from Several DB to One DB

First, export of the relevant part of the configuration is started in nodes with the DBs that are sources of the configuration. This results in creation of files with the configuration. Next, these files are transferred to the node with the DB that is the configuration's target and the import process is started. The configuration being imported is matched with the current one.

Uses:

- Preparation of part of a configuration to be moved to a production system.
- Compilation of a single delivery for a number of development projects that were maintained on different nodes.

Chapter 4. Limitations

Product limitations:

1. The following tables cannot be copied:
 - Financial institutions (F_I).
 - Users (OFFICER).
 - Interbranch routing (INST_ROUTING).
2. After applying the configuration, the new configuration data are imported to the target schema. It is not possible to return to the original configuration.
3. Simultaneous (parallel) import of several configurations is not supported (data must be imported sequentially).
4. The source node and target node version of WAY4 may differ by two versions.