

# Java Dictionary Table Maintenance Utility Tool – Version 1.0

## Applies to:

This tool has been tested on both NW04 and NW04s AS Java.

## Summary

The table maintenance tool allows you to view and modify table data in tables that were created via the Java Dictionary perspective in SAP NetWeaver Developer Studio and reside on the underlying database of the AS Java. I created this tool because I needed it for some internal development, but I figure it can also help the SAP NetWeaver Development Community as a whole. Hope you enjoy it!

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**Created on:** 21 March 2007

## Author Bio



Jeff has been working with SAP for the past 10+ years. During this time he has held positions as Developer, Product Manager, and now is a senior member of the SAP NetWeaver Foundation RIG where he helps roll out new technologies both to internal (consultants & developers) and external (customers) audiences. Jeff has developed software in many different languages and platforms, from ABAP to Java, & Windows to AIX...as Jeff likes to say "learning a programming language syntax is relatively easy...learning how to program correctly is the hard part."

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## Overview

Currently Java Developers must use a third-party client tool to connect to the underlying J2EE Engine database to view and/or modify the data there. Having developed much ABAP in the past I knew the value of having a tool (SE16) that let developers and administrators peer into table data for any table in the ABAP Data Dictionary. Unfortunately this same sort of tool is not yet available to Java Developers for tables that exist in the Java Dictionary.

This led me to develop just such a tool, a tool that would not only let one view the data in tables in the Java Dictionary, but also modify it, export it as XML, and import it as XML. This tool allows developers to maintain master data that exists in their Java Dictionary tables, as well as share test data with other developers in the form of XML files that can be exported and then imported.

## Stipulation

This tool in no way is supported by SAP. It is provided to you free of charge, but there is no support for it available from SAP. It has been tested on both NW04 and NW04s J2EE Engines. If you have any questions about this tool you can contact the author of it, Jeff Gebo at [jeff.gebo@sap.com](mailto:jeff.gebo@sap.com). Jeff will consider making bug fixes and/or feature enhancements if time permits.

## Installation

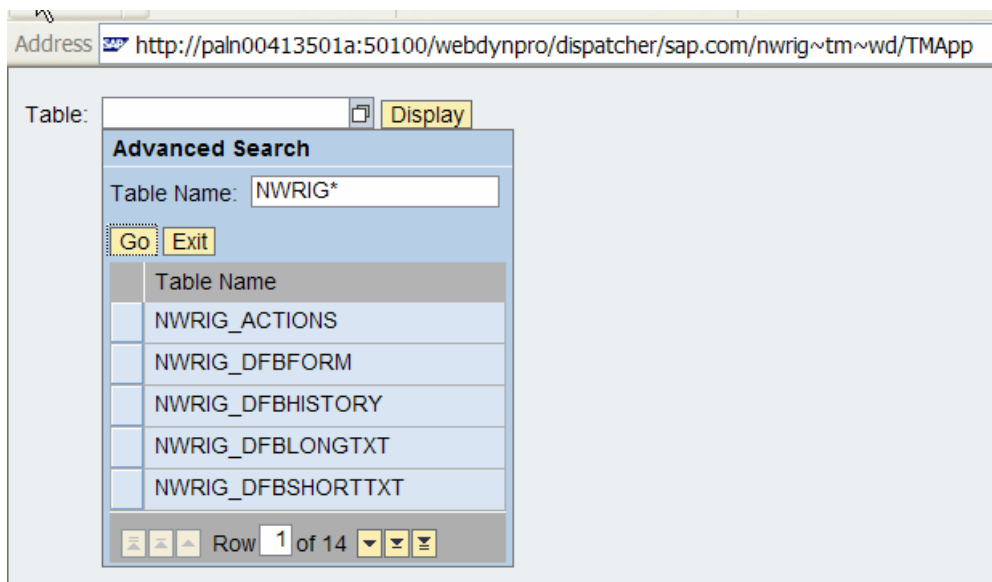
To install the tool you simply need to deploy the 2 SCAs (listed below) found in the [TableMaint.zip](#) that accompanies this document to your AS Java using the SDM.

- TABLEMAINT\_BL.sca – contains business logic and database access code.
- TABELMAINT\_UI.sca – contains Web Dynpro UI code.

## How to Use

Once installed the application can be executed with the following URL: `http:<server name>:<port>/webdynpro/dispatcher/sap.com/nwrig~tm~wd/TMApp` – I suggest adding this to your favorites list.

On the initial screen you can enter a table name, or you can use the value help to search for a table. The value help search supports the '\*' wildcard for its queries.



This image shows that the help value button was selected and a search was done for all tables that start with NWRIG.

Once you have selected a table and clicked the Display button, the table definition and data will be retrieved and displayed.

Address <http://paln00413501a:50100/webdynpro/dispatcher/sap.com/nwrig~tm~wd/TMApp>

Return to Table Input

**NWRIG\_FBSTATUS**

New Row Export... Export Selected... Import...

ID	LANGU_ISO	STATUSTEXT	SORTORDER
C	en	Closed	2
N	en	New	0
O	en	Open	1
P	en	In Process	3

Row 1 of 4

Table data that is stored in NWRIG\_FBSTATUS.

Then you can enter new rows into the table, modify rows, and delete rows. To modify a row select it in the table.

Address <http://paln00413501a:50100/webdynpro/dispatcher/sap.com/nwrig~tm~wd/TMApp>

Return to Table Input

**NWRIG\_FBSTATUS**

New Row Export... Export Selected... Import...

ID	LANGU_ISO	STATUSTEXT	SORTORDER
C	en	Closed	2
N	en	New	0
O	en	Open	1
P	en	In Process	3

Row 1 of 4

ID: \*

LANGU\_ISO: \*

STATUSTEXT: \*

SORTORDER: \*

Update Delete Close

The 2<sup>nd</sup> row was selected and a form for editing it is then displayed.

You can also choose to export the entire table as an XML file, or export specific selected rows as an XML file.

Address <http://paln00413501a:50100/webdynpro/dispatcher/sap.com/nwrig~>

Return to Table Input

**NWRIG\_FBSTATUS**

New Row Export... Export Selected... Import...

ID	LANGU_ISO	STATUSTEXT	SORTORDER
C	en	Closed	2
N	en	New	0
O	en	Open	1
P	en	In Process	3

Row 1 of 4

**Table Export**

Right click on the link and select "Save Target As..." in the context menu.

[NWRIG\\_FBSTATUS.xml](#)

Close

- Open
- Open in New Window
- Save Target As...
- Print Target

Export... button was clicked and a view is displayed allowing the user to download the table content as an XML file.

The XML file can then be shared with other developers so that they can import the table data into their AS Java table.

Address <http://paln00413501a:50100/webdynpro/dispatcher/sap.com/nwrig~tm~wd/TMApp>

Return to Table Input

**NWRIG\_FBSTATUS**

New Row Export... Export Selected... Import...

ID	LANGU_ISO	STATUSTEXT	SORTORDER
C	en	Closed	2
N	en	New	0
O	en	Open	1
P	en	In Process	3

Row 1 of 4

**Table Import**

C:\Documents and Settings\i0058\ Browse... Import

Close

Import... was selected showing the Table Import view that allows you to import XML data for the displayed table.

## Current Known Limitations

A following is a list of current limitations of the tool.

- At most 5000 rows are displayed. There is currently no way for a user to change this. I might fix this in a future release if there is one.
- Tables that contain binary columns are not allowed to have rows added. The binary fields are not viewable.
- Does not allow you to modify the J2EE engine tables that contain its configuration (there are currently 3, all which start with J2EE\_).

I am quite sure that there are other small bugs/features...feel free to email me if you find any.

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