UPGRADE TOOL 3.0
RELEASE NOTES

July 8, 2005

Contents

Platform Support

Upgrade tools run on all supported server platforms of Agile e6.0.

Minimum requirement for the supported databases are:

❑ Oracle 8.1.7 (Source database)

❑ Oracle 10.1.4 ((Target Database)

For other source versions, Agile support must be contacted.

New features Upgrade Tool 3.0

New upgrade Steps

New Repository tables are added to the data model. The new repository tables are partially related to existing Upgrade Modules, but the most of them can be added to new modules.

New Modules:

- ❑ Classification (gtm)

- ❑ Change Management (chg)

- ❑ Office Suite (gtm)

For the following Modules the repository list has changed:

- ❑ Workflow (WFL)

- ❑ EDB (EDB)

- ❑ GUI (GUI)

For every module the following steps are available:

- ❑ create files and

- ❑ perform insert, update, delete

Synchronize Repository

The following new functions are available for the step synchronize repository:

- ❑ Compute default values for new mandatory columns.

In the old version only static values could be defined. Now a Java function can be defined in the configuration file special.xml to compute default values dynamically.

- ❑ Standard Java Routine is implemented and delivered for:

  - o Set default values for new EDB_ID's

  - o Set default values for new fields based on existing number server definitions

  - o Set default values for new fields in t_ctx_dat (EDB-Context)

- ❑ The static default values for new columns are preconfigured in the configuration special.xml.

- ❑ The references to new EDB_IDs are defined in the configuration file special.xml and will be handled automatically. Customization of the underlying constraint can be handled by manual adoption of the configuration file special.xml.

Cleanup inconsistency for Table Item Master (BVB_ARTIKEL)

The upgrade tool provides a cleanup function for the item master (BVB_ARTIKEL).

The tool inserts/ deletes item master records in the table BVB_ARTIKEL, so that only one item master exits for all items with the same part ID.

Measurement Management

❑ Default values of measurements for item masters are set. The customization of the underlying constraint is considered.

❑ Existing domain values for unit lists of item masters will be migrated to the new base table for units.

❑ Item master specific domain lists are generated (managed in special relationship table BVB_ARTMEH).

❑ Migration of the conversion factor cannot be handled fully automatically(not included in LA Edition).

Context Handling

❑ Default values for the new mandatory columns of the Context Base Table will be set.

❑ Tables that have already implemented the old context concept will be migrated to the new concept.

Classification

❑ Changes in the inheritance concept are supported by the upgrade tool. The inherited attributes will be assigned explicitly to all sub-classes.

❑ The right template for classification upgrade will be determined automatically (depend on language, replication yes/no and source version.)

Lifecycle Management

❑ New domain tables for lifecycle phases are filled and references are set to existing status definitions.

Improvements

Bug Fixes

The following FIS-IS are solved with the upgrade tool 3.0

FIS_ID	Description	Solution
09773	The Script "cre_rep_edb.sql" (\Ora\sql) the statements to delete temporary tables are wrong. Instead of "DROP TABLE <Tablename>" it says "DROP <Tablename>".	The script delivered for Agile e6.0 is correct
09728	During the TakeOver the CUSTOMER-Dump will be checked to create a list <ref_data_ab.xml> of tables that should be transferred from the	The connection to the production database is used to create the list

	ProdDump. Where the CUSTOMER-Dump contains data, the list shows only tables.	with reference tables. Only tables with records will be listed
09670	pg202: In step Synchronize Repository the conversion of the field T_FILE_DAT.FILE_SIZE from I10 toF16 and of T_CHK_PAR.REC_ID fromI10 to S40 has not been proceeded! (like specified in special.xml with TRUE). Error occurs with Upgrade Tool Version 2.0.2 In version 2.0.0 plus patches it's working fine.	Compatible data type changes will be executed, Incompatible data type changes will be executed only, if for all records the value in the column is null.
9229	Documentation adapted, so that update_uic must be execute before any upgrade activity in the production environment starts.	
09198	upg2.0: In the script upg_env.csh the variable EPQ_DLL is set to the name libepq10c. Therefore, the step - import file dtv.bld – causes an error on server platform HP-UX: File "libepq10c.so" not found! (see script imp_dtv.csh)	This variable is no longer used, because DTV Loader is no longer used in the upgrade process.
09063	upg2.0: During upgrade from CADIM to PLM the upgrade tool realized modifications on logic model EP_CPY and applied logic model SAVE_EP_CPY and included procedures, but the procedures are not copied - only referenced. If you control and delete the SAVE_xxx logic models you will lose the procedures in the original logic models, too. The upgrade tool should copy the procedures and reassign them to the SAVE logic models.	Procedures will be copied now.
08978	upg2.0: problem/error while takeover of productive data. The upgrade tool opens a cursor for every table, but it does not close it. With a standard oracle-installation the parameter open_cursor has the value 300. If you have more than 300 tables for takeover the process ends. Workaround: increase the value open_cursor in file initOra.	Solved, the application closes the cursors

	Better - the upgrade tool closes the cursor.	
08845	upg2.0: Upgrade axalant2000sp3 -> PLM 5.0.1: In step "Takeover Reference Data" the "Create Reference file" does not work correctly because the schema name is written in small letters by mistake: The reference file is created but not filled with tables. But it would be much better if there were a warning message if the schema name is in small letters or the schema name should be changed into capital letters automatically and not just aborted without any information for the user.	Schema name is no longer a parameter the user must define.
08797	upg2.0: In the manual of the Upgrade-Tool 2.0 (page 42 TOP 7.1) the call syntax of the sql-script cre_rep_edb shows 5 parameters (tablespaces)that have to be mentioned there. However, the script does not use any of these parameters, but the default tablespace names.	Sql script contains tablespace name as parameters now. The script itself will no longer be executed manually. The script is called from a command script. The Tablespace names will be read from the application parameter .xml. No user interaction is necessary.
08531	upg2.0: When upgrading from CADIM 23.x to PLM501 it is not possible to create the security area PrvFiles in step EDB-UPGRADE. Error messages in edberr.xml: insert() for table T_STORE_AREA ORA-01400: Inser NULL in ("PLM501S_UPG_CUS"."T_STORE_AREA"."SITE") not possible. A default "ep" is entered in the file special.xml for the field T_STORE_AREA.SITE . Is it only read at the synchronize? It still worked with upgrade tool 1.2 axaSP3.	Fixed. The old algorithm did not consider columns, which do not exist in the standard source dump. The algorithm is changed so that columns available in target and customer dumps will be considered in inserts and update commands.

Usability

❑ New directory structure

❑ New names for configuration and log files

- ❑ Button to test connection to productive database system

- ❑ New main log files

- ❑ Command scripts can be started from the user interface

- ❑ Command script available in the user interface which executes a set of sql scripts

Agilization

- ❑ User interface

- ❑ Names of source, target systems are adapted

- ❑ Manuals are adopted

Non-supported Feature

Adoption of Standard Forms

Is not handled automatically.