

Oracle Tuxedo Application Rehosting Workbench

Release Notes

12c Release 1 (12.1.1)

September 2013

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Oracle Tuxedo Application Rehosting Workbench , 12c Release 1 (12.1.1)

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Table 1 Revision History

Revision Date	Summary of Change
September, 2013	12c Release 1 (12.1.1) Rolling Patch 012
August, 2012	GA

This topic contains the following sections:

- [About This Release](#)
- [Installation](#)
- [Platform Support](#)
- [Behavior Change From Previous Release](#)
- [Limitations and Known Issues](#)

About This Release

Oracle Tuxedo Application Rehosting Workbench (Tuxedo ART Workbench) helps to accelerate rehosting projects by automating code and data migration. It is built on a sophisticated foundation of advanced language processing technology that has been used to simplify and accelerate many large migration projects.

Sophisticated parsing and transformation capabilities are used by Workbench language processing tools to adapt COBOL code between compiler dialects, map JCL to job scripts and adapt SQL calls for differences between DB2 and the Oracle database. Workbench data migration tools provide complete analysis of all data definitions and access patterns, which is then used to generate data schemas on target and produce data unload, reload, and validation utilities that completely automate the movement of file and relational data between systems.

Workbench provides great migration accuracy, with error rates not exceeding 1 in 10,000 or 100,000 lines of code (which minimizes the risk, cost and time of testing and debugging, and results in much faster project delivery). It is highly efficient, and has been used on very large applications with over 20 million lines of code. The tools can be used repeatedly to produce incremental changes as new components are added in or parameters or rule sets are adjusted. Once Workbench settings have been finalized for a specific project through a pilot, the mass migration of application components and any maintenance changes can be accomplished quickly and easily.

The automation of the migration process is key to success - it provides accuracy, uniformity, consistency, and assures high productivity, resulting in less risk and faster results. Companies that were deterred from migrating mainframe applications in the past due to long projects, high cost and heavy risk, can now accomplish these migrations - independently or with the help of Oracle partners - much quicker and achieve a much faster ROI.

What's New

Tuxedo ART Workbench Release (12.1.1) Rolling Patch 012 includes the following new features and enhancements:

- Migration Life Cycle tools integrated within Eclipse plug-in.

The migration toolset integrated in Eclipse plug-in has been extended to support more complete migration lifecycle, including:

- Preparation of source files
- Analysis of source files using Cataloger

- Migration steps using Workbench conversion tools for files, database, COBOL, and JCL
- Build steps to prepare configuration makefiles for compiling generated source assets
- Configuration steps to prepare CICS, Batch, and Tuxedo configurations
- (Deployment steps to compile the source modules and prepare the runtime environment for testing on the same machine where the workbench is installed (additional steps for remote deployment are described in the documentation)
- Run steps to invoke Tuxedo with CICS or Batch runtime and test the migrated application

Note: Note that execution of the bulk data migration for files and DB2 tables using unload-transcode-reload tools generated in the Migration steps still requires using generated scripts. It will be integrated in the Eclipse plug-in in a future release.

- Supports “catalog” and “volume” for data files in the target system.
- Supports reverse migration process from UNIX/Linux record sequential files to z/OS sequential dataset.
- Supports data buffer conversion between z/OS and UNIX/Linux format.
- Supports external files as SYSTSIN.
- Supports JES2 commands for NJE in JCL convertor, including:
 - *ROUTE PRINT
 - *ROUTE PUNCH
 - *ROUTE XEQ
 - *XMIT (followed by a JOB)
 - *XEQ
- Supports variable length record file-to-file converter from a mainframe dataset to open-system QSAM file.

Installation

See the [Oracle Tuxedo ART Workbench Installation Guide](#) for installation information.

Platform Support

Tuxedo ART Workbench 12c Release 1 (12.1.1) supported platforms are listed in the [Supported Platforms](#) in the [Oracle Tuxedo Application Rehosting Workbench Installation Guide](#).

Behavior Change From Previous Release

STFILEDB2, STFILEORA, and STDB2ORA examples are updated in this release. They may not be compatible with previous releases.

Limitations and Known Issues

The following sections describe the limitations and known issues with Tuxedo ART Workbench

Limitations

Tuxedo ART Workbench does not support the following:

- Migration of VSAM KSDS with alternate key
- Migration of DB2 DDL comments
- JCL IDCAMS DEFINE/DELETE ALTERNATE INDEX commands
- JCL IDCAMS LISTCAT, PRINT, BLDINDEX commands
- JCL DSNSTEP2 SQLFORMAT with non-Oracle embedded SQL format

Known Issues

- After conversion using Tuxedo ART Workbench, you must revert data type **COMP-5** to **BINARY** in MQ API calls.

See Also

- [Oracle Tuxedo ART Workbench Installation Guide](#)
- [Oracle Tuxedo ART Workbench Users Guide](#)