

Oracle Tuxedo Application Rehosting Workbench

Release Notes

12c Release 2 (12.2.2)

April 2016

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April 2016

Table 1 Revision History

Revision Date	Summary of Change
April, 2016	12c Release 2 (12.2.2)

This topic contains the following sections:

- [About This Product](#)
 - [Key Features and Components](#)
- [What's New in This Release](#)
- [Interoperability](#)
- [Installation](#)
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About This Product

Oracle Tuxedo Application Rehosting Workbench (Tuxedo ART Workbench) helps to accelerate rehosting projects by automating code and data migration, configuring and running compiles of migrated programs, creating runtime Tuxedo configurations for CICS, IMS, and batch applications, executing file and database reload tasks, and deploying migrated artifacts. 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, transform 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. Configuration tools generate initial Tuxedo ubbconfigs, which can be used as is to start Tuxedo domains or extended if needed.

Workbench provides great migration accuracy, 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 Consulting or partner SIs - much quicker and achieve a much faster ROI.

Key Features and Components

Tuxedo ART Workbench provides a set of code and data migration tools, configuration tools, and application build and deployment tools - all integrated through Eclipse plug-in. Its key features are:

- Migration Life Cycle Plug-in for Eclipse, which provides a project configuration and navigation, reporting pane, tool menu and related wizards, and online tutorial in a cheat sheet format
- Cataloger tool for application asset inventory and dependency checking
- COBOL Migrator for adaptation of Online and Batch COBOL programs and related assets (Copybooks, 3270 BMS/MFS screens, etc.) to Tuxedo Application Runtimes for CICS, IMS, and Batch
- JCL Converter for migration of JCL jobs and related assets (PROCs, SYSINs) to job scripts using Tuxedo Application Runtime for Batch JCL functions and utilities
- DB2 and File Converters for automated schema mapping and generation of bulk data migration tools for DB2, VSAM, QSAM, PDS, GDGs and other mainframe datasets guided by Copybooks and DDL definitions
- Tools for automated generation of build makefiles and Tuxedo/ART runtime configuration artifacts
- Wizards for running application build, bulk data migration, and deployment processes
- Extensibility through custom scripts and extended rules for project-specific COBOL, SQL, and JCL modifications

What's New in This Release

Oracle Tuxedo ART Workbench 12c Release 2 (12.2.2) includes the following new features and enhancements:

- Migration progress tracking dashboard in Eclipse UI
- Automated conversion of IMS PSBs and DBDs to ART IMS configuration files
- Refined file converter wizard
- Migration of VSAM KSDS files with Alternate Keys/Indexes
- Improved handling of REDEFINES in file converter
- Improved performance for components generated by file converter
- Enhanced support variable block (VB) files in file converter
- Improved handling of IDCAMS commands

Interoperability

Oracle Tuxedo ART Workbench 12c Release 2 (12.2.2) generates configuration artifacts that are fully compatible with:

- Oracle Tuxedo 12c Release 2 (12.2.2)
- Oracle Tuxedo Application Runtime for Batch 12c Release 2 (12.2.2)
- Oracle Tuxedo Application Runtime for CICS and Batch 12c Release 2 (12.2.2)
- Oracle Tuxedo Application Runtime for IMS 12c Release 2 (12.2.2)
- Oracle Tuxedo System and Application Monitor Plus (TSAM Plus) 12c Release 2 (12.2.2)
- Tuxedo ART Workbench 12c Release 2 (12.2.2) includes Eclipse plug-in that's compatible with the following Eclipse versions: Kepler Service Release 2.

Installation

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

Platform Support

Oracle Tuxedo ART Workbench 12c Release 2 (12.2.2) supported platforms are listed in the [Supported Platforms](#) of the *Oracle Tuxedo ART Workbench Installation Guide*.

Limitations and Known Issues

The following sections describe Oracle Tuxedo ART Workbench limitations and known issues.

Oracle Tuxedo ART Workbench does not support the following:

Limitations

- COBOL program files with multiple programs (Nested programs)
- Migration of DB2 DDL comments
- JCL IDCAMS PRINT, BLDINDEX commands
- JCL DSNSTEP2 SQLFORMAT with non-Oracle embedded SQL format

- In IKJEFT01/1A/1B when RUN command is used to execute DB2 utilities, PARM()/PARMS() are not supported

Known Issues

- After Tuxedo ART Workbench conversion, you must revert data type COMP-5 to BINARY in MQ API calls, since that is the data type required by IBM MQ client libraries.

See Also

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

