

Oracle Tuxedo Application Runtime for CICS and Batch

Release Notes

11g Release 1 (11.1.1.3.0)

December 2011

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Table 1 Revision History

| Revision Date | Summary of Change |
|----------------|--------------------|
| December, 2011 | Release 11.1.1.3.0 |

This topic contains the following sections:

- [About This Release](#)
- [Software Components](#)
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About This Release

Oracle Tuxedo Application Runtime for CICS and Batch supports IBM mainframe applications to be rehosted to Oracle Tuxedo. It provides a combination of APIs and services that allows OLTP and Batch mainframe applications to run unchanged, preserving years of business logic and data investment. It protects application users from change by supporting standard 3270 terminal emulators. It also provides familiar APIs and functions that developers use in their mainframe applications.

The result is the ability to quickly (and with low risk), migrate legacy mainframe applications to open systems running COBOL and C/C++ application server. This provides substantial cost savings and greater flexibility.

Oracle Tuxedo Application Runtime for CICS and Batch major features are as follows:

- CICS Runtime
 - Preprocesses source code and translates EXEC CICS statements and CICS keywords into CICS Runtime interfaces.
 - A robust production environment based on Oracle Tuxedo that executes converted CICS applications.
- Batch Runtime
 - A robust execution engine that runs equivalent Korn-shell scripts converted from JCL.
 - A Job Enqueueing Service based on Oracle Tuxedo that emulates Mainframe JES2.

What's New

Oracle Tuxedo Application Runtime for CICS and Batch Release 11.1.1.3.0 includes the following new features and enhancements:

- VSAM KSDS to Berkeley DB conversion
- VSAM ESDS support
- Dynamic CICS resource update
- External CICS Interface (EXCI) support
- CICS SPOOL support for runtime JCL submission
- Double-Byte Character Set (DBCS) support for CICS BMS

- ARTJES access control enhancements

Software Components

Oracle Tuxedo Application Runtime for CICS and Batch software consists of the following components:

- CICS Runtime

CICS Runtime provides runtime environment for the CICS applications. It includes the following sub-components:

- Preprocessor
- CICS Runtime servers based on Oracle Tuxedo
- Tools and utilities

- Batch Runtime

Batch Runtime provides runtime environment for Batch JCL. It includes the following sub-components:

- Batch execution engine
- Tuxedo Job Enqueueing Service

Installation Notes

The installation of Oracle Tuxedo Application Runtime for CICS and Batch 11g Release 1 (11.1.1.3.0) does not require Oracle Tuxedo installation, but Oracle Tuxedo is a prerequisite at runtime.

For more information, see the [Oracle Tuxedo Application Runtime for CICS and Batch Installation Guide](#).

Platform Support

Oracle Tuxedo Application Runtime for CICS and Batch 11g Release 1 (11.1.1.3.0) supported platforms are listed in the [Supported Platforms](#) in the Oracle Tuxedo Application Runtime for CICS and Batch [Installation Guide](#).

Upgrade Considerations

When you upgrade Oracle Tuxedo Application Runtime for CICS and Batch from an older release to a newer release, you must rerun the CICS Preprocessor against the CICS COBOL programs, and then recompile the COBOL programs.

If upgrading from release 11.1.1.2.1 or before, you must ensure the ARTADM server is configured in CICS Runtime.

Behavior Changes From Previous Release

- Second FML base in `$KIXDIR/include/msgflds32` is changed from 30002700 to 30001100.
- Extra `prepro-cics-sles.pl` and `mi_ConvertScript_sles.pl` are provided for Novell SUSE Linux in Linux package.

Limitations and Known Issues

The following sections describe the limitations and known issues with Oracle Tuxedo Application Runtime for CICS and Batch.

Limitations

- In Batch Runtime, IDCAMS LISTCAT is not supported.
- In Batch Runtime, IEBGENER GENERATE with MEMBER is not supported.
- In Batch Runtime, system date (e.g. DATE1) comparison is not supported in SORT operation.
- In CICS Runtime, VSAM KSDS to ISAM conversion is limited to support Read Only mode.
- In CICS Runtime, the following file related arguments are not supported or partially supported: `GENERIC`, `KEYLENGTH`, `UPDATE`, `NUMREC`.
- In CICS Runtime, BMS file name cannot be used as `MAPSET` name in `CICS SEND MAP` and `RECEIVE MAP` commands.

Known Issues

- CICS Runtime `READPREV` command does not work well after a VSAM file is converted to ISAM file.
- When using COBOL-IT compiler, you must configure variable `COB_ENABLE_XA` before booting up `ARTSTRN`.

See Also

- [Oracle Tuxedo Application Runtime for CICS and Batch Installation Guide](#)
- [Oracle Tuxedo Application Runtime for CICS User Guide](#)
- [Oracle Tuxedo Application Runtime for Batch User Guide](#)

