

# **Oracle Tuxedo Application Runtime for CICS and Batch**

Release Notes

11g Release 1 (11.1.1.2)

July 2011

**ORACLE®**

Copyright © 2011, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

# Contents

- About This Release ..... 2
  - What's New..... 2
- Software Components ..... 4
- Installation Notes ..... 5**
- Platform Support ..... 5
- Upgrade Considerations..... 5
- Limitations and Known Issues..... 6
  - Limitations ..... 6
  - Known Issues ..... 6
- See Also ..... 6



# Oracle Tuxedo Application Runtime for CICS and Batch Release Notes

## Oracle Tuxedo Application Runtime for CICS and Batch 11g Release 1 (11.1.1.2) July 2011

**Table 1 Revision History**

Revision Date	Summary of Change
July, 2011	Release 11.1.1.2.2
February, 2011	Updated <a href="#">Supported Platforms</a> in the Oracle Oracle Tuxedo Application Runtime for CICS and Batch 11g Release 1 (11.1.1.2) Installation Guide with: <ul style="list-style-type: none"><li>• Oracle Linux 5.5 (64-bit) on ExaLogic X2-2</li></ul>
December, 2010	Updated <a href="#">Supported Platforms</a> in the Oracle Oracle Tuxedo Application Runtime for CICS and Batch 11g Release 1 (11.1.1.2) Installation Guide with: <ul style="list-style-type: none"><li>• HP-UX 11i v2 (64-bit) on Itanium</li><li>• Sun Microsystems Solaris 10 (64-bit) on SPARC</li></ul>
October, 2010	Release 11.1.1.2.1
August, 2010	Release 11.1.1.2.0

This topic contains the following sections:

- [About This Release](#)
- [Software Components](#)
- [Installation Notes](#)
- [Platform Support](#)
- [Limitations and Known Issues](#)
- [See Also](#)

## About This Release

Oracle Tuxedo Application Runtime for CICS and Batch supports IBM mainframe applications rehomed 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 provides application users with a familiar interface by supporting standard 3270 terminal emulators, and provides the familiar APIs and functions that developers use in their mainframe applications.

The result is the ability to quickly (with low risk, greater flexibility, and cost-efficiency) migrate legacy mainframe applications to open systems running an industry-leading COBOL and C/C++ application server.

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 11.1.1.2.2 includes the following new features and enhancements:

- Copybook to Tuxedo VIEW32 definition conversion tool
- UDB support
- COBOL-IT support
- Automatic conversion from CICS resource definition files to Oracle Tuxedo Application Runtime resource definition files
- SYSOUT SMTP Batch support
- SYSOUT INTRDR Batch support
- DD cards: LRECL/RECFM/KEYLEN/KEYOFF/RECORG, DCB, LIKE, DATACLAS batch support
- IDCAMS: DEFINE CLUSTER, DATACLASS, NUMBERED, MODEL, ALLOCATE DATASET, DELETE NONVSAM batch support
- DSNIAUL: EXEC SQL, UNLOAD DATA support
- DSNUTILB: EXEC SQL, LOAD DATA, UNLOAD DATA support

Oracle Tuxedo Application Runtime for CICS and Batch Release 11.1.1.2.1 includes the following new features and enhancements:

- Multi-Byte Character Set (MBCS) support
- CICS Runtime
  - Task initiator or trigger monitor (CKTI) support
  - DB2/UDB support
  - ARTCNX server deployment on multiple nodes support
  - Authorization framework to support EXEC CICS QUERY SECURITY
- Batch Runtime
  - SYNCSORT support
  - IEBCOPY support
  - IDCAMS PRINT, REPRO Enhancements

Oracle Tuxedo Application Runtime for CICS and Batch Release 11.1.1.2.0 includes the following new features and enhancements:

- CICS Runtime support for the following:
  - TDQ
  - RRDS
  - REQID and TOKEN options for file related CICS commands
  - TSQ enhancements
  - SSL connection with TN3270 Terminal emulator
  - ASSIGN APPLID
  - WRITE OPERATOR
  - INQUIRE TRANCLASS
  - RESETBR DATASET
  - UNLOCK DATASET
  - SEND WAIT
  - START TRANSID PROTECT
  - GETMAIN and FREEMAIN
- Batch Runtime support for the following:
  - z/OS QSAM file migrated to Oracle DB sort
  - JOB card COND
  - More than seven GDG generations
  - JCL SYSIN enhancement
  - File concatenation enhancements
  - JCL OUTPUT and SYSOUT
  - JCL CURRENT\_LABEL
  - IDCAMS PRINT and REPRO
  - ARTJES enhancement

## 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 (11.1.1.2) 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 (11.1.1.2) 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.

**Note:** In Oracle Tuxedo Application Runtime for CICS and Batch 11.1.1.2.2, ARTADM server is *mandatory* for CICS Runtime.

# 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, SYNC SORT 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 ESDS files are not supported
- 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

[Table 2](#) lists known limitations.

**Table 2 Known Limitations**

1.	CICS Runtime READPREV command
Description	The CICS Runtime READPREV command does not work well when a VSAM file is converted to ISAM file.

## See Also

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

See Also

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

