

Oracle Tuxedo Application Runtime for Batch

Release Notes

12c Release 2 (12.1.3)

April 2014

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Table 1 Revision History

Revision Date	Summary of Change
April, 2014	12c Release 2 (12.1.3)

This topic contains the following sections:

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

Oracle Tuxedo Application Runtime for Batch supports quick migration of IBM mainframe batch jobs to Oracle Tuxedo with low risk. It provides substantial cost savings and greater flexibility.

Oracle Tuxedo Application Runtime for Batch provides a combination of utilities and services that allow Batch mainframe applications to run unchanged, preserving years of investment in business logic and data. It provides IBM-compatible JCL functions and familiar mainframe utilities for running existing applications and extending them with new capabilities.

Key Features and Components

Oracle Tuxedo Application Runtime for Batch provides runtime environment for IBM z/OS-compatible batch jobs. It includes the following components:

- Tuxedo Job Enqueueing Service (TuxJES), emulates mainframe JES batch queues, initiators, and provides batch control functions for jobs submitted in native JCL or converted scripts.
- Batch execution engine used by initiators to run submitted jobs with all standard JCL functions and common utilities
- Batch operations, monitoring, and management facilities that include ISPF extensions for ART Batch, support real-time monitoring in TSAM Plus Manager and extensive batch operations and management functions provided by TSAM Plus plug-in for Oracle Enterprise Manager.

What's New in This Release

This release includes the following new features and enhancements for Batch Runtime:

- JES Functions and Job Control
 - Synchronous job submission mode in `artjesadmin`
 - Native JCL job submission via `artjesadmin`
 - `artjesadmin` sub-command for dynamically changing priority of a waiting job
 - NJE-like support for routing batch jobs within a network of specific nodes or initiator groups
 - Role-based job control authorization through Oracle Entitlement Server or LDAP
 - Automatic job purge function when spool Qspace approaches a configurable limit

- Batch Execution Engine
 - Option to maintain GDG metadata tables in IBM DB2 LUW
 - ABEND capture and alerting through Oracle Enterprise Manager (OEM) Incident Manager (configurable policies)
 - Support for DUMP command and asterisk wildcards in external `m_pkzip` API
 - Extended support for sort utility `JOINKEYS` command
 - DSN resolution within volumes using File Catalog and related functionality, including `IDCAMS LISTCAT` (requires database)
 - Configurable `SYSIN` and `SYSOUT` redirection in COBOL programs
 - Support for running dynamically loadable C programs using `m_ProgramExec` function
 - Extended EXCI call support to CICS on z/OS using TMA
 - Check file availability prior to actually executing a job
- Batch Operations, Monitoring, and Management
 - Integration with `uni-SPF` and `ARTISPF` extensions for batch operations, administration, and management, which provides the following functions through ISPF panels (requires `uni-SPF` and `uni-REXX` from The Workstation Group, Ltd.):
 - Find and list jobs, and then view, edit, copy, and submit individual jobs
 - View submitted jobs, drill down in to job details and logs, and perform job control functions
 - View jobs in `OUTPUT` queue and browse their `SYSOUT` files
 - View JES and Tuxedo logs
 - View Initiators and the jobs they are currently running
 - Start/stop Oracle Tuxedo batch domain
 - Configure system setting for batch subsystem
 - Configure users and security profile for batch subsystem
 - View and release file locks
 - Access file catalog to search/view files, catalog/uncatalog, and allocate new files
 - Access GDG metadata to view GDG bases and drill down to individual generation datasets

- Integration with Oracle Enterprise Manager for batch operations and management:
 - Archival of job logs and `SYSOUTS` to OEM management repository, with extended search capability through OEM
 - List and submit jobs through OEM
 - View and control jobs through OEM
 - Configure ABEND alerting policies for triggering OEM Incidents and Rule sets
 - Configure job wait times and service level monitoring policies for triggering OEM Incidents and Rule sets
 - Search GDG bases and drill down to specific generation datasets
 - Extended log/`SYSOUT` viewer and search capability for active and archived jobs
 - BI Publisher-based reporting for batch utilization
 - Batch subsystem monitoring with in-depth availability and performance metrics, and configurable thresholds for alerting
- CPU time monitoring at job step-level
- Consolidated JES system level log

Interoperability

Oracle Tuxedo Application Runtime for Batch 12c Release 2 (12.1.3) runs on Oracle Tuxedo 12c Release 2 (12.1.3), and is certified to work with Oracle Tuxedo Application Rehosting Workbench 12c Release 2 (12.1.3), Oracle Tuxedo Application Runtime for IMS 12c Release 2 (12.1.3), Oracle Tuxedo Application Runtime for CICS and Batch 12c Release 2 (12.1.3), and Oracle TSAM Plus 12c Release 2 (12.1.3).

Installation

Oracle Tuxedo Application Runtime for Batch 12c Release 2 (12.1.3) installation requires Oracle Tuxedo 12c Release 2 (12.1.3) preinstalled. The use of `ISPF` extensions (`ARTISPF`) requires uni-SPF and uni-REXX from The Workstation Group, Ltd. (<http://www.wrkgrp.com/index.html>).

IMS batch job execution requires Oracle Tuxedo Application Runtime for IMS 12c Release 2 (12.1.3).

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

Platform Support

Oracle Tuxedo Application Runtime for Batch 12c Release 2 (12.1.3) supported platforms are listed in the [Supported Platforms](#) in the [Oracle Tuxedo Application Runtime for Batch Installation Guide](#)

Limitations and Known Issues

Oracle Tuxedo Application Runtime for Batch 12c Release 2 (12.1.3) has the following limitations:

- `IEBGENER GENERATE` with `MEMBER` is not supported.
- System date (e.g., `DATE1`) comparison is not supported in `SORT` operation.
- Using `DISP=SHR` to add a new member in a PDS is not supported.

See Also

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

