

# Oracle® Retail Batch Script Architecture

Release Notes

Release 15.0.3

June 2017

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The Batch Script Architecture (BSA) is designed to provide a robust, enterprise-ready architecture for parallel process control, restart control, log consolidation, and dependency checks. Applications that take advantage of the architecture include:

- Oracle Retail Advanced Inventory Planning
- Oracle Retail Analytic Parameter Calculator for Regular Price Optimization
- Oracle Retail Assortment Planning
- Oracle Retail Category Management Planning and Optimization / Macro Space Optimization
- Oracle Retail Demand Forecasting
- Oracle Retail Item Planning
- Oracle Retail Item Planning Configured for COE
- Oracle Retail Merchandise Financial Planning
- Oracle Retail Regular Price Optimization
- Oracle Retail Replenishment Optimization
- Oracle Retail Size Profile Optimization

Functionally, the batch operability is enhanced by making it easier to diagnose and correct problems. Errors and exceptions are isolated (contained) within the applications' domains in which they occur. Processing is designed to easily restart and proceed with execution.

Parallel tasks are managed, logged, and checked for errors, to the same standard as non-parallel tasks.

BSA provides the following features:

- Error handling and logging architecture and their implementation
- Script parallel process management (logging, error control, and waiting) framework

The BSA is a common component architecture that is used by many of the Oracle Retail application batch scripts for the reusing of code. The BSA has a structured approach of execution.

In addition to modularization and complete separation of the generic functionality, additional functionality has been added, including the management of access credentials for database connections, and SQL query, move and copy-with confirmation, and HTML- and XML-based logging.

## Noteworthy Defect Fixes

The following table contains issues that have been fixed for the current release.

Affected Component	Fixed Issue/Defect	Defect Number
Installer	<p>Attempted creation of BSA log directory enters an infinite loop if the log directory has a current date sub-directory in it which is not writeable by the current user. This is resolved as BSA attempts to create this directory 500 times. Upon 500 fails the script exits the loop.</p> <p>There is still an error, but customers can address the preexisting permissions condition that caused the failure rather than suffer an endless loop.</p>	20040298

## Related Documentation

For more information, see the following documents in the Oracle Retail Batch Script Architecture Release 15.0.3 documentation set:

- *Oracle Retail Batch Script Architecture Release Notes*

Also see the following applications' document sets that include information about BSA:

- Oracle Retail Advanced Inventory Planning
- Oracle Retail Analytic Parameter Calculator for Regular Price Optimization
- Oracle Retail Assortment Planning
- Oracle Retail Category Management Planning and Optimization / Macro Space Optimization
- Oracle Retail Demand Forecasting
- Oracle Retail Item Planning
- Oracle Retail Item Planning Configured for COE
- Oracle Retail Merchandise Financial Planning
- Oracle Retail Regular Price Optimization
- Oracle Retail Replenishment Optimization
- Oracle Retail Size Profile Optimization

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