Oracle® Retail Bulk Data Integration (BDI)

Release Notes

Release 16.0

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This document highlights the major features for Release 16.0 of Oracle Retail Bulk Data Integration (BDI).

Overview

Bulk Data Integration (BDI) is the Oracle Retail Enterprise Integration Infrastructure product designed to address the complexities of the movement of bulk data between Oracle Retail Applications and third-party applications.

BDI is designed to provide the bulk data integration to meet the modern needs of cloud and on-premise movement of large data sets in deployments of Oracle Retail applications and support both fully on-premises configurations and on-cloud configurations in a hybrid cloud/on-premise deployment.

Hardware and Software Requirements

See the *Oracle Retail Bulk Data Integration (BDI) Installation Guide* for information about the following:

- Hardware and software requirements

- Oracle Retail application software compatibility

Functional Enhancements

The following functional enhancements are included in this release:

BDI Applications

BDI consists of a suite of applications. They are described in the following sections.

BDI Job Administrator

BDI Job Admin is a Web application that provides the runtime and GUI for managing batch jobs. It provides the following high level functionality:

- RESTful service to start/restart jobs, check their status, and so on.

- RESTful service to stream data from a source system to destination system.

- The Infrastructure for various bulk data integration jobs. This includes a database that keeps track of data, and a batch database that contains information about jobs.

- The User Interface provides the ability to perform the following:

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- Start/restart, and track status of jobs

- Track data

- Manage options at job and system level

- View the logs

BDI Process Flow

BDI Process Flow Admin is a Web application that provides the runtime and GUI for managing process flows. A process flow is comprised of one or more activities. It is written in a domain-specific language (DSL) script that contains all the activities that make a data flow from source to destination complete.

A process flow is a generic concept and is not limited to BDI. However, all the out-of-box process flows are for data transfers from a retail application to one or more retail applications.

BDI Scheduler

BDI Scheduler is a Web application that provides the runtime and GUI for managing batch schedules. The Scheduler application in the Bulk Data Integration (BDI) product suite assists in scheduling batch processes to run at predefined configured intervals of time. A schedule determines when a job or a process or any program needs to be executed and the frequency of execution.

BDI Command Line Job Executor

BDI Command Line Interface (CLI) Job Executor is a standalone command line utility that helps in the basic operation of BDI batch jobs through commands. It uses the REST services that BDI Batch Job Admin provides to list jobs and executions, to get the status of a job, and to start, stop, and restart a batch job.

BDI Command Line Transmitter

BDI CLI Transmitter is a standalone command line tool to transmit batch interface data files to a destination BDI receiver system. It is particularly used where the source system is non-BDI (that is, the source system does not have or use a BDI Batch Job Admin application) but needs to send interface data files to a receiver system running the BDI Job Admin application.

Because the tool uses the BDI Job Admin Receiver REST service URL to transmit the data to the destination system, it is necessary that the destination system run the BDI Job Admin application to use the tool.

Supported Bulk Data (BDI) Flows

BDI releases with preconfigured integration flows, between specific applications and specific retail entities. BDI Release 16.0 supports these preconfigured integration flows and these applications.

Supported applications in Release 16.0:

- Oracle® Commerce Retail Extension Module (RXM) and Oracle Retail Merchandising System (RMS).

Preconfigured and supported Release 16.0 integration flows between RMS (sender) and RXM (receiver):

- Diffs

- DiffGrps
- InvAvailStore
- InvAvailWH
- ItemHdr
- ItemLoc
- MerchHier
- OrgHier
- RelatedItem
- Store
- StoreAddr

BDI 16.0 releases with the same entities preconfigured to a generic application endpoint:

- Oracle Retail Merchandising System (RMS) to External

As part of BDI packaging, additional entities are defined and made available for field enablement and custom implementation. In future releases these entities and flows will be released in a controlled fashion and GA supported. They are included with 16.0 artifacts to provide direction and guidance.

Related Documentation

For more information, see the following documents in the Oracle Retail Bulk Data Integration (BDI), Release 16.0 documentation set:

- *Oracle Retail Bulk Data Integration (BDI) Installation Guide*
- *Oracle Retail Bulk Data Integration (BDI) Implementation Guide*

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