

Oracle Retail Data Extractor

Release Notes

Release 18.0.002.7

F29109-01

April 2020

This document highlights the major changes for this release of Oracle Retail Data Extractor.

Note: The non-sequential version number of this Oracle Retail application is intentional.

Overview

Oracle Retail Data Extractor (ORDE) provides data extraction capabilities for sourcing data from various Oracle Retail application data sources into a flat file format that facilitates loading into the Oracle Retail Insights family of analytic applications.

The primary characteristics of the Oracle Retail Data Extractor are:

- **Source Integration Solution:** The Retail Data Extractor provides data integration with source applications such as Oracle Retail Merchandising Foundation Cloud Service (RMFCS).
- **Performant ETL Code:** The Retail Data Extractor data processing tool, Oracle Data Integrator (ODI), offers high performance for the database batch processes on an Oracle database.
- **Extensibility:** The Retail Data Extractor ETL code can be customized and extended for client-specific needs.

Oracle Retail Cloud Services and Business Agility

Oracle Retail Cloud Service is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

Release 18.0.002.7

The following information highlights the major changes for Release 18.0.002.7 of Oracle Retail Data Extractor.

Functional Enhancements

The functional enhancements below are included in this release.

Brand Item Attribute

Product dimension SDE load from RMS now captures the item brand as a column of the main W_PRODUCT_DS interface (instead of as a separate item UDA extract). The attribute in RI has been reworked to use the new data source. RDE must be upgraded in order to continue using the Brand attribute in RI for new item data.

Allocation and Transfer Receipts

The inventory receipts batch program has been enhanced to optionally block specific stores from being assigned allocation-based receipts in RI. This feature is for when an allocation tool is being used to assign inventory to a store, but for reporting purposes the receipts should appear as normal transfer receipts.

The batch program leverages the attribute STORE.STORE_CLASS as the identifier for allocation and non-allocation locations. Whichever value on this column designates the non-allocation stores (such as class E) should be updated to the RDE parameter STORE_NO_ALC_RCPTS on the table C_ODI_PARAM.

Consignment Inventory

RDE can now extract the ownership/purchase type of inventory for consignment and concession items. This functionality requires RMFCS version 19 or later. Prior to RMFCS version 19, the default ownership type will always be "owned" inventory for all data extracted.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 1 18.0.002.7 Defect Fixes

Defect	Defect Number
Pmt Mkdn Amt was not mapped correctly on the Stock Ledger Month SDE	30795223
Batch failures and data issues with season phase item dimension load	30650978
RDE POM batch schedule reworked with new dependencies on unloader programs to avoid throttling issues	30612912

Release 18.0.002.5

The following information highlights the major changes for Release 18.0.002.5 of Oracle Retail Data Extractor.

Functional Enhancements

The functional enhancements below are included in this release.

Warehouse Attributes

The RDE location extract from the RMS WH table has been enhanced to process the following additional columns:

- DELIVERY_POLICY
- REDIST_WH_IND
- REPL_IND
- FINISHER_IND
- VWH_TYPE
- CUSTOMER_ORDER_LOC_IND
- INBOUND_HANDLING_DAYS

These columns will be loaded to W_INT_ORG_ATTR_D and exposed to OBIEE as new Organization attributes.

Allocation and Transfer Receipts

The inventory receipts batch program has been enhanced to optionally block specific warehouses from being assigned allocation-based receipts in RI. This feature is for when an allocation tool is being used to assign inventory to a WH, but for reporting purposes the receipts should appear as normal transfer receipts.

The batch program leverages the attribute WH.VWH_TYPE as the identifier for allocation and non-allocation warehouses. Whichever value on this column designates the non-allocation warehouses should be updated to the RDE parameter VWH_NO_ALC_RCPTS on the table C_ODI_PARAM.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 2 18.0.002.5 Defect Fixes

Defect	Defect Number
STOCK LEDGER SIL IS REJECTING RECORDS FOR NEW SUBCLASSES	30090281
CLEARANCE DIMENSION SDE IS EXCLUDING RECORDS DUE TO NULL REASON CODES	30402170
SDE_RETAILSUPPLIERCOMPLIANCEUFACT FAILS WITH AN ERROR	30264258
PERF ISSUE FOR SDE_RETAILITEMLISTDIMENSION AND W_RTL_ITEM_GRP1_DS	29688322

Release 18.0.002.3

The following information highlights the major changes for Release 18.0.002.3 of Oracle Retail Data Extractor.

Functional Enhancements

The functional enhancements below are included in this release.

Sales Attribute Support

The RDE sales transaction extract has been enhanced with 20 additional fields that were already on XTERN_RDWT but were not interfaced to RI, such as sales_type and drop_ship_ind. Full column details have been added to the RI Interfaces Guide.

Batch Updates

The following jobs are added to RDE in this patch and should be validated in JOS/POM configurations as being enabled:

- CHKBATCHSTATUSSDE_JOB (chkbatchstatusde.ksh)

Additionally, the Purchase Order (PO) integration has been modified to be incremental instead of full snapshot, capturing only the PO records which have been updated recently. This will improve performance and processing times for purchase order data as RDE is no longer extracting every open order in each batch run.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 3 18.0.002.3 Defect Fixes

Defect	Defect Number
PERF: POONORDER NEEDS TO BE CHANGED TO INCREMENTAL SOURCING	30213346
PERF: ISSUE IN SDE_RETAILPRODUCTRECLASSTEMP	30169891
./RPM2RDE.KSH AND RESA2RDE.KSH HAVE TO MADE GENERIC AND NOT DEPENDENT ON FOLDER NAME	30101784
MULTITHREAD ISSUE IN SDE_RETAILINVPOSITIONTRANSACTIONFACT	30049817
ALLOW SYSTEM CONFIGURATION TO SPECIFY LANGUAGES	29839197
RDE COST LOADS SHOULD IGNORE DELETE PENDING ITEMS IN RMS	29558544

Release 18.0.002

The following information highlights the major changes for Release 18.0.002 of Oracle Retail Data Extractor.

Functional Enhancements

The functional enhancements below are included in this release.

Reference Field Support

ORDE has added fields to consume Sales Audit reference fields. A separate ReSA patch will be required for the sales extracts (RDWT and RDWF files) to contain the added fields. These fields will align to the SA_TRAN_HEAD, ITEM, DISC, and TENDER table reference fields.

Return Reason Codes

ORDE now sends the return reason codes from the sales transaction file through to Retail Insights for reporting.

Transaction and Register IDs

ORDE now sends the POS transaction number and register IDs from the sales transaction file through to Retail Insights for reporting.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 4 18.0.002 Defect Fixes

Defect	Defect Number
SDE_RETAILSUPPLIERINVOICEMATCHFACT does a full daily extract each batch	29902586
PO extract is failing due to non-sellable items	29772647
SDE_RETAILSUPPLIERCOMPLIANCEFACT has poor performance	29700908

Release 18.0.001.1

The following information highlights the major changes for Release 18.0.001.1 of Oracle Retail Data Extractor.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 5 18.0.001.1 Defect Fixes

Defect	Defect Number
Remove all table partitioning from RDE tables	29586426
RDE needs a configuration option to SFTP the RI_RMS_DATA.zip file to the RI server	29510104

Release 18.0.001

The following information highlights the major changes for Release 18.0.001 of Oracle Retail Data Extractor.

Batch Schedule Changes

The Process Orchestration and Monitoring (POM) batch schedule for ORDE has been modified for six added jobs that will execute as part of the nightly batch cycle:

Table 6 18.0.001 Batch Schedule Changes

Job Name	Description	RMS Batch
ITEMCFASDE_JOB	Extracts item CFA information	itemcfasde.ksh
LOCCFASDE_JOB	Extracts location CFA information	loccfasde.ksh
ITEMLOCCFASDE_JOB	Extracts item location CFA information	itemloccfasde.ksh
RPM2RDE_JOB	Extracts clearance price information	rpm2rde.ksh
RTLUAEXTERNSDE_CLRPC_JOB	Loads the CLRPC files into a table.	rtlexternsde.ksh XTERN_CLRPC
CLRPRICESDE_JOB	Extracts clearance price information	clrpricesde.ksh

The clearance price changes require the 16.0.028.16 hotfix version of RMFCS (or later) in order to consume the CLRPC files from Oracle Retail Pricing Cloud Service (RPCS). If upgrading ORDE without RMFCS, then these jobs should be disabled manually before running any nightly batches.

Functional Enhancements

The functional enhancements below are included in this release.

Clearance Events from RPCS

ORDE will consume RPCS clearances published to the POS at the item/location level through a new job. In addition to having a complete picture of which items are affected by individual clearance events, this also includes detailed attributes such as the Clearance Group ID and Markdown Number. This functionality depends on RPCS updates to export the additional clearance pricing files to a specific location, and so should be coordinated with those services to ensure the necessary flat file extracts are available and enabled as part of nightly batch processing.

CFAS Integration for Items and Locations

ORDE now consumes CFAS attributes from the following sources in RMFCS into the new RI attribute tables for reporting:

- ITEM_MASTER_CFA_EXT
- STORE/WH/PARTNER_CFA_EXT
- ITEM_LOC_CFA_EXT

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 7 18.0.001 Defect Fixes

Defect	Defect Number
COMPSTORESDE.KSH is not present in ORDE POM/JOS	28571589
Issue with loading tender type group records into DOMAIN_MEMBER_LKP_TL table	29443901

Release 17.0.001.9

The following information highlights the major changes for Release 17.0.001.9 of Oracle Retail Data Extractor.

Batch Schedule Changes

The Retail Merchandising Cloud Services batch schedule for ORDE has been modified for two added jobs that will execute as part of the nightly batch cycle:

Table 8 17.0.001.9 Batch Schedule Changes

Job Name	Description	RMS Batch
RDE_DSCTYPSEDE_JOB	Extract Discount Type Information	dsctypsde.ksh
RDE_RTLUASDE_W_RTL_DISCOUNT_TYPE_DS_JOB	Exports data from the W_RTL_DISCOUNT_TYPE_DS staging table to a flat file.	rtluasde.ksh

These changes have been included in the 16.0.028.16 hotfix version of RMFCS. If upgrading RMFCS without ORDE, then these jobs MUST be disabled manually before running any nightly batches.

Functional Enhancements

The functional enhancements below are included in this release.

Sales Discounts

The sales discount type code and associated descriptions are now loaded from RMFCS for use in RI sales discount reporting. The ORDE jobs listed above are used to capture the discount type dimension. Additional key values have been added to the sales discount integration to capture the promotion details and employee details associated with sales discounts in the RDWT file.

Salesperson and Cashier IDs

Salesperson and cashier numbers associated with sales transactions on the RDWT file are now being captured in ORDE and sent to RI for reporting.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 9 17.0.001.9 Defect Fixes

Defect	Defect Number
Integration ID could be larger than supported column size on Item Image table	29135093
Unique default values should be used for Promo and Promo Comp ID	29179389

Release 17.0.001.8

The following information highlights the major changes for Release 17.0.001.8 of Oracle Retail Data Extractor.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 10 17.0.001.8 Defect Fixes

Defect	Defect Number
Purchase Order integration needs to consider currency conversion based on order currency and receiving locations	28906738

Release 17.0.001.7

The following information highlights the major changes for Release 17.0.001.7 of Oracle Retail Data Extractor.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 11 17.0.001.7 Defect Fixes

Defect	Defect Number
ORDE can't handle Retail Type = null when Department populated on sales transaction data	28900721

Release 17.0.001.6

The following information highlights the major changes for Release 17.0.001.6 of Oracle Retail Data Extractor.

Functional Enhancements

The functional enhancements below are included in this release.

Price Zone Integration

ORDE now loads Price Zone information from RPCS, and sends it to Store Cluster staging tables in RI for use in reporting.

Stock Count Integration

ORDE now loads Stock Count snapshots and physical counts from RMFCS table STAKE_SKU_LOC and sends the fact data to RI for reporting. This data must be used in conjunction with the Stock Count dimension interface in RI, both interfaces should be populated as part of the same batch runs.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 12 17.0.001.6 Defect Fixes

Defect	Defect Number
The Coupon Ref Number field on XTERN_RDWT should be Char instead of Number	28691327

Release 17.0.001.5

The following information highlights the major changes for Release 17.0.001.5 of Oracle Retail Data Extractor.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 13 17.0.001.5 Defect Fixes

Defect	Defect Number
PO location should come from ORDLOC	28872034
Load RMFCS warehouse association to organization hierarchy	28944904
Unavailable inventory data is getting rejected due to IF_TRAN_DATA changes	28788825

Release 17.0.001

The following information highlights the major changes for Release 17.0.001 of Oracle Retail Data Extractor.

ODI Tech Stack Upgrade

ODI Tech Stack has been upgraded from 12.2.1.2.0 to 12.2.1.3.0 for ORDE in this release. Release notes for ODI 12.2.1.3 are available here:

<https://docs.oracle.com/middleware/12213/odi/release-notes/ODIRN.pdf>

Functional Enhancements

The functional enhancements below are included in this release.

Item Diff Aggregates

Retail Insights now creates an internal level between Item Level 1 and Item Level 2, which aligns with the RMFCS concept of item diff aggregates. This level is constructed using the combination of differentiators selected as aggregates in RMFCS. For

example, if Item Level 1 represents a Style and the item diff aggregate is Color, then reporting on the Item Diff Aggregate level is equivalent to Style/Color.

To achieve this functionality, the interface in ORDE has been enhanced to extract the Item-Diff relationship from RMFCS.

Defect Fixes

The following are the noteworthy defect fixes for this release.

Table 14 17.0.001 Defect Fixes

Defect	Defect Number
RESA2RDE.KSH Should fail if no rdwt/rdwf files are found from RMFCS	27573141
Item Diff AggregationItem Diff Aggregation	27458322
Return Transactions Enhancement For Original Transaction Id	26933589
J2EE agent related changes for ORDE	27524277
Add Revision Date Attribute To Purchase Order Dimension	27551852

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