

Oracle® Retail Advanced Inventory Planning

Release Notes

Release 15.0.2

February 2017

This document highlights the major changes for Release 15.0.2 of Oracle Retail Advanced Inventory Planning (AIP).

Overview

Oracle Retail Advanced Inventory Planning is a suite of modules designed to manage the supply chains of large retailers at the supplier, warehouse, store, and e-commerce levels. The system couples time-phased replenishment and allocation algorithms to produce an actionable receipt plan over time. This plan is based on demand forecasts, replenishment parameters, and inventory availability at the numerous supply points within the supply chain.

The user interacts with the AIP system through a number of modules:

- Store Replenishment Planning (SRP) Workbooks are used to maintain the replenishment characteristics for stores. These workbooks allow the user to analyze system output and perform what-if style analysis when replenishment parameters are changed.
- Warehouse Replenishment Planning (WRP) Workbooks are used to maintain the replenishment characteristics for warehouses. These workbooks allow the user to analyze system output and perform What-if style analysis when replenishment parameters are changed.
- Data Management is used to maintain the supply chain and network flow information. Sourcing links, lead times, and other data are managed in this module.
- The Network Replenishment Workbook combines worksheets containing warehouse-specific replenishment data with those containing store-specific replenishment data into one workbook. This allows users to view a more complete picture of the replenishment plan within a supply chain without having to switch between workbooks. Users are also able to perform What-if analysis on the replenishment plan by changing various replenishment parameters.
- AIP Dashboard for the Fusion Client allows users to view AIP receipt plan data without having to build a workbook.

- Using the receipt plan, Order Management formally prepares those orders that need to be fulfilled. This preparation includes the assignment of an order number.

Note: AIP Java/Oracle, AIP on Oracle, and AIP Oracle are often used interchangeably to refer to those parts of AIP that access the Oracle relational database. This includes the Data Management and Order Management GUI components and a host of UNIX shell scripts and PL/SQL modules.

AIP Within the Oracle Retail Suite

AIP is one of several integrated applications within the Oracle Retail Suite. The suite allows a retailer to manage its supply chain from demand forecasting to the generation of orders, which can then be shared with collaborative planning partners.

Viewed at a high level, the process across the Oracle Retail Suites takes the following form:

1. Oracle Retail Demand Forecasting (RDF) provides a forecast of consumer demand. This data is made available to AIP.
2. The AIP batch run produces an actionable receipt plan using replenishment parameters maintained inside AIP. Hierarchy and inventory data are provided by a merchandising system such as Oracle Retail Merchandising System (RMS).
3. The receipt plan is then sent to the Order Management module within AIP, where those orders that need to be fulfilled are formally prepared for execution. This preparation includes the assignment of an order number.
4. Order Management then submits the appropriate orders to the merchandising system, where purchase orders and transfers are communicated to other systems. These orders are returned to AIP in subsequent batch runs as on-order or in-transit quantities.
5. Sales forecasts and order plans can then be shared at the appropriate level with suppliers by using a collaborative planning, forecasting, and replenishment (CPFR) product, so that trading partners can prepare for the forthcoming orders.

AIP Versions and Corresponding RPAS Versions

The following table provides a history of AIP since the 13.0 release. The table lists each version of AIP together with the version of the Retail Predictive Application Server (RPAS) foundation to which it is tied.

Date	Version Category	AIP Version	RPAS Version
June 9, 2008	Full Release	13.0	12.1.2.21
August 15, 2008	Patch Update (AIX, HP-UX)	13.0.1 Patch	13.0.1.2
August 22, 2008	Full Release (Solaris)	13.0.1	13.0.1.2
October 31, 2008	Patch Update (AIX)	13.0.1.1	13.0.1.11

Date	Version Category	AIP Version	RPAS Version
December 19, 2008	Patch Update (AIX)	13.0.2	13.0.2.1
August 7, 2009	Full Release (Solaris, OEL, AIX, HP-UX)	13.1.1	13.0.4
March 31, 2010	Full Release and Patch Update (AIX 5.3, AIX 6.1, HP-UX 11.31, OEL 5.2, Solaris 10)	13.1.2	13.1.2.3
August 31, 2010	Patch Update (AIX 5.3, AIX 6.1, HP-UX 11.31, Linux 5.2, Solaris 10)	13.1.3	13.1.2.19
October 29, 2010	Full Release (AIX 5.3, AIX 6.1, HP-UX 11.31, OEL 5.3, Solaris 10)	13.2	13.2
January 31, 2011	Hot Fix (AIX 5.3, AIX 6.1, HP-UX 11.31, OEL 5.3, Solaris 10)	13.2.0.2	13.2.1
July 8, 2011	Full Release (AIX 5.3, AIX 6.1, HP-UX 11.31, OEL 5.3, Solaris 10)	13.2.2	13.2.2.9
November 4, 2011	Patch Update (AIX 6.1, HP-UX 11.31, OEL 5.5, Solaris 10)	13.2.3	13.2.3
April 13, 2012	Patch Update (AIX 6.1, HP-UX 11.31, OEL 5.5, Solaris 10)	13.2.4	13.3
May 3, 2012	Full Release (AIX 6.1, HP-UX 11.31, OEL 5.5, Solaris 10)	13.3	13.3
December 21, 2012	Full Release (AIX 6.1, HP-UX 11.31, OEL 5.8, Solaris 10)	13.4	13.4.0.1
August 23, 2013	Patch Update (AIX 6.1, HP-UX 11.31, OEL 5.8, Solaris 10)	13.4.1	13.4.1
December 14, 2013	Full Release (AIX 6.1, 7.1, HP-UX 11.31, OEL 6.3, Solaris 11)	14.0	14.0
August 15, 2014	Patch Update (AIX 6.1, 7.1, HP-UX 11.31, OEL 6.3, Solaris 11)	14.0.1	14.0
December 19, 2014	Full Release (AIX 7.1, HP-UX 11.31, OEL 6.3, Solaris 11)	14.1	14.1

Date	Version Category	AIP Version	RPAS Version
August 21, 2015	Patch Update (AIX 7.1,HP-UX 11.31, OEL 6.3, Solaris 11)	14.1.1	14.1.1
December 15, 2015	Full Release (AIX 7.1,HP-UX 11.31, OEL 6.x, OEL 7.x, Solaris 11.2)	15.0	15.0
May 20, 2016	Patch Update (AIX 7.1, OEL 6.x, OEL 7.x)	15.0.1	15.0.1
December 16, 2016	Full Release (AIX 7.1, HP-UX 11.31, OEL 6.x, OEL 7.x, Solaris 11.2)	16.0	16.0
February 3, 2017	Patch Update (AIX 7.1, HP-UX 11.31, OEL 6.x, OEL 7.x, Solaris 11.2)	15.0.2	15.0.2

Hardware and Software Requirements

Note: The AIP 15.0 Dashboard installer files are compatible with AIP 15.0.2.

See the *Oracle Retail Advanced Inventory Planning Installation Guide* for information about the following:

- Hardware and software requirements
- Oracle Retail application software compatibility information

Noteworthy Defect Fixes

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

Affected Component	Fixed Issue/Defect	Defect Number
Translation	Text received from the RPAS Fusion platform files displays Spanish as intended.	23298809
Workbook	The SPQ measures in the SPQ Analysis Interactive View are not updated after making changes and using What-If Constrained.	24471849
Workbook	Event measures are incorrectly expanding throughout the whole horizon.	24471861
DM-Batch	Store cycle exception was applied for a SKU/Store in Data Management Online and was correctly generated and exported. But next day, the exception was deleted from Data Management Online again and another AIP overnight batch was executed. The export out of Data Management Online still contains the exception, incorrectly.	24471992

Affected Component	Fixed Issue/Defect	Defect Number
Workbook	The Receipt plan What-if not calculated correctly during reconciliation shortage, trying to achieve it (available stock in warehouse) by manipulating the values of measures min and max safety stocks units.	24578457
Workbook	Upon NRP and WRP workbooks load, Receipt Point and Receipt Point - What-if and Receive Up to Level - What-if of the warehouse are not equal for items with inventory capping applied.	24578474
DM-Online	The Ranging by SKU Pack Size and Ranging by Warehouse windows do not display any values in the New Status LOV.	24811664
DM-Online	Non Release and Non Receipt Dates do not display in Data Management Online.	24831414
DM-Online	On the Delivery-day Demand Percent (DDP) window, when users attempt to update the location default pattern values for locations that already have patterns and then update the location day of week for a specific location; only the updated value for the single day is saved. The other values are deleted.	24834882
DM-Batch	Generate Schedule is missing a day when reverting to the default profile OC at the end of the exception.	24957873
Batch	In correct Warehouse to Warehouse Replenishment Plans, where within the fixed period, some expected receipts arriving into the source warehouse are not being called into the destination warehouse, even though the inventory is needed at the destination.	25027728

Known Issues

The following table contains known issues for the current release.

Affected Component	Known Issue/Defect	Defect Number
Batch Process	Warehouse inventory is not cleared after store reconciliation,	19767480
Batch Process	The ULR is not cleared after the Working Plan is set as the Receipt Plan,	22157758
WebLogic	<p>Language Bundle files for AIP Fusion clients are in Native character encoding. After configuring the AIP-RPAS Fusion Client solutions, use the following steps and command for conversion from Native to ASCII.</p> <ol style="list-style-type: none">1. Create a directory and copy all the language aipBundle_xx.properties files (where xx=language extensions).2. Ensure that environment variable JAVA_HOME is pointing to JDK instead of JRE.3. Navigate to the new directory created in Step 1.4. Use the following command per language to convert Native to ASCII: <pre>native2ascii -encoding UTF8 aipBundle_xx.properties multisolutionBundle_xx.properties</pre>5. Copy the new ASCII converted language files (multisolutionBundle_xx.properties) to the \${FUSION_CLIENT_INSTALL_DIR}/config/MultiSolution/resources directory.6. Restart the WebLogic server.	21614034

Related Documents

For more information, see the following documents in the Oracle Retail Advanced Inventory Planning Release 15.0.2 documentation set:

- *Oracle Retail Advanced Inventory Planning Data Management User Guide*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 2—Measure Reference Guide*
- *Oracle Retail Advanced Inventory Planning Implementation Guide*
- *Oracle Retail Advanced Inventory Planning Installation Guide*
- *Oracle Retail Advanced Inventory Planning Order Management User Guide*
- *Oracle Retail Advanced Inventory Planning Release Notes*
- *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide for the RPAS Fusion Client*

The following documentation may also be needed when implementing AIP:

- Oracle Retail Planning Batch Script Architecture (BSA) Implementation Guide
- Oracle Retail Integration Bus (RIB) documentation, based on type of deployment
- Oracle Retail Extract Transform and Load (RETL) documentation
- Oracle Retail Predictive Application Server (RPAS) documentation

My Oracle Support Documents

These Oracle Retail Advanced Inventory Planning Release 15.0 documents are available on My Oracle Support:

<https://support.oracle.com>

- *Oracle Retail Advanced Inventory Planning Calculations for Store and Warehouse Replenishment Planning* (Doc ID 2075628.1)
- *Oracle Retail Advanced Inventory Planning Order Review and Approval* (Doc ID 2076972.1)
- *Oracle Retail Advanced Inventory Planning Supply Chain Creation 15.x* (Doc ID 2081101.1)

Enterprise Integration Guide (located in the Oracle Retail Integration Suite Library on the Oracle Technology Network)

The Enterprise Integration Guide is an HTML document that summarizes Oracle Retail integration. This version of the Integration Guide is concerned with the two integration styles that implement messaging patterns: Asynchronous JMS Pub/Sub Fire-and-Forget and Web Service Request Response. The Enterprise Integration Guide addresses the Oracle Retail Integration Bus (RIB), a fully distributed integration infrastructure that uses Message Oriented Middleware (MOM) to integrate applications, and the Oracle Retail Service Backbone (RSB), a productization of a set of Web Services, ESBs and Security tools that standardize the deployment.

Supplemental Training on My Oracle Support

The following document is available on the My Oracle Support Web site. Access My Oracle Support at the following URL:

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