

Oracle® Retail Advanced Inventory Planning

Release Notes

Release 14.1.3

November 2016

This document highlights the major changes for Release 14.1.3 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.
- 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
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

Date	Version Category	AIP Version	RPAS Version
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
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
January 29, 2016	Patch Update (AIX 7.1, HP-UX 11.31, OEL 6.x, OEL 7.x, Solaris 11.2)	14.1.2	14.1.2
November 4, 2016	Patch Update (AIX 7.1, HP-UX 11.31, OEL 6.x, OEL 7.x, Solaris 11.2)	14.1.3	14.1.3

Hardware and Software Requirements

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 major issues that have been fixed for the current release.

Affected Component	Fixed Issue/Defect	Defect Number
AIP Dashboard	The AIP Dashboard weeks are not sorted correctly if the date format has been changed to something other than US format.	24320711
Batch	Store receipt plan and reconciliation numbers are understated.	23321754
Batch	Store Schedule exceptions incorrectly export after exception deleted.	23537264
Batch	Warehouse to Warehouse replenishment plans issue with the fixed period.	23666712
Batch	Receipt Plans are generated before the on-supply date is met.	24467457
Integration	When the user sets up the data using pre-allocation data based on the files, appropriate RIB messages are not sent.	24408485
Integration	Purchase Orders and Transfers are consumed by RIB. Allocations were consumed but those tagged for pre-allocations were not.	24703834
User Interface	The Replenishment Method Event behaves like low variability in the UI while it should only take effect on a single day.	21560433
User Interface	If Pallet Multiple is 1 and Percent of Pallet of 0, it is incorrectly calculating the receipt plan by adding 1 additional receipt plan on top.	22844522
User Interface	For a network replenishment receipt plan (what-if), store is not recalculating if there is reconciliation shortage.	23064960
User Interface	Event measures are incorrectly expanding throughout the whole horizon.	23066887
User Interface	Generate Schedule is missing a day when flipping to default profile at the end of the exception.	24010851
User Interface	ATP days are incorrect in the WRP Eval and Network Replenishment workbook. These workbooks are showing more ATPs than it they should and should match the ATP dates as being shown in SRP Eval and used by batch.	24403225
User Interface	Fixed period calculation is extended when store source changes	24425361
User Interface	SPQ Order Commit Quantity are not being honored in WRP. Receipt plan value for warehouses exceeds the set value of SPQ Order Commit Quantity.	24440040
User Interface	Supplier Purchase Quantities (SPQ) are being allocated to warehouses that do not source any stores.	24453204

Known Issues

The following table contains known issues for the current release.

Known Issue/Defect	Defect Number
If using Internet Explorer (IE11), it is advised to install the 32 bit version of either JRE 1.7 or JRE 1.8 in the client system. The AIP-Online side of the application may not work when the 64 bit of JRE version is installed in the client system.	not applicable
In AIP Online, some of the foreign language translations are too long for the current fields and are being truncated. This is occurring for different fields depending upon the language it is translated into.	15986091
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. <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 <code>#{FUSION_CLIENT_INSTALL_DIR}/config/MultiSolution/resources</code> directory.6. Restart the Web Logic server.	21614034

Related Documents

For more information, see the following documents in the Oracle Retail Advanced Inventory Planning Release 14.1.3 documentation set:

- *Oracle Retail Advanced Inventory Planning Data Management User Guide*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 2—Measure Reference Guide* (Doc ID 1952942.1)
- *Oracle Retail Advanced Inventory Planning Implementation Guide*
- *Oracle Retail Advanced Inventory Planning Installation Guide*
- *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide for the RPAS Fusion Client*
- *Oracle Retail Advanced Inventory Planning Release Notes*

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 14.1 documents are available on My Oracle Support:

<https://support.oracle.com>

- *Oracle Advanced Inventory Planning Calculations for Store and Warehouse Replenishment Planning*
- *Oracle Retail Commerce Anywhere AIP White Paper*
- *Oracle Retail Supply Chain Creation AIP White Paper*

Supplemental Documentation on My Oracle Support

The following documents are available through My Oracle Support. Access My Oracle Support at the following URL:

<https://support.oracle.com>

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:

<https://support.oracle.com>

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Value-Added Reseller (VAR) Language

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