

Oracle® Retail Advanced Inventory Planning

Release Notes

Release 13.2.2

July 2011

This document highlights the major changes for Release 13.2.2 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.
- 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 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

Date	Version Category	AIP Version	RPAS Version
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

Note: After the 13.2.2 release, the AIX 5.3 platform will no longer be supported.

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

Functional Enhancements

AIP 13.2.2 includes the following functional enhancements.

AIP on the RPAS Fusion Client

With the introduction of the Oracle Retail Predictive Application Server (RPAS) Fusion Client, customers have a choice to use AIP with either the RPAS Fusion Client or the RPAS Classic Client.

For details on the features of the RPAS Fusion Client, see the 13.2.2 *Oracle Retail Predictive Application Server User Guide for the Fusion Client*. AIP has been preconfigured to contain a default taskflow.

When using the Fusion Client for AIP, the users can utilize the new taskflow feature to understand and follow the AIP business process. This taskflow shows the overall business process and allows the users to understand the tasks they must complete in order to finish the business process.

Name	Description
Activity	High level business process or solution. An activity provides visibility to the full business process, supports application navigation, and drives end user activities. Tasks and steps are assigned to an activity to further describe the business flow.
Task	The second level of an activity flow. A task is associated with a single RPAS workbook template. Steps are assigned to a task.
Step	The lowest level of an activity flow. A step is associated with an RPAS worksheet or set of worksheets to achieve a specific action.

The set up of the taskflow is accomplished within the RPAS Configuration Tools. Workbook information is mapped to activities, tasks, and steps. For additional details on this process, see the taskflow section of the Configuration Manager chapter of the *Oracle Retail Predictive Application Server Configuration Tools User Guide*.

Intra-day Delivery

Prior to the 13.2.2. AIP release, AIP functionality limited the planning of deliveries to those that arrive either at the beginning of the day (before any of the day's activities have taken place) or at the end of the day (after all of the day's activities have taken place). The 13.2.2 functionality relating to Intra-day Delivery permits AIP to mimic real world supply chain operations by planning for inventory arrival at the store during the *working* day. All deliveries (intra-day and beginning/end of day) are now managed through the Delivery-day Demand Percent value. This value replaces warehouse and store Receipt to Availability Lead Time (RALT).

Intra-day Release

Prior to the 13.2.2. AIP release, AIP functionality only permitted the release of transfers and purchase orders immediately after the overnight planning. The 13.2.2 Intra-day Release functionality gives the Retailer the opportunity to release into-store orders at various times of the day—when they are required by the warehouse or supplier. It also affords the opportunity to re-plan these orders immediately before release— if desired.

Release waves must be set up to define the groupings of SKU/stores that are released together and in which batch run. A SKU/store's order may only be released once per day.

Orders for SKU/locations not belonging to an intra-day release wave are released in the overnight batch. This includes all warehouse orders which cannot be re-planned or released intra-day.

Intra-day Planning

Intra-day planning permits AIP to re-plan an order immediately prior to its release—taking advantage of updates to dynamic data such as inventory and actual sales.

The overnight batch process remains largely unchanged. It continues to generate receipt plans over the Planning Horizon. Where into-store orders do not need to be re-planned intra-day, the orders output from the overnight batch will continue to represent the quantities that will be released.

The user will specify the SKU/stores to be re-planned when assigning them to an Intra-day Release Wave. AIP will perform replenishment processing over an abbreviated horizon and replace the overnight order quantities in Order Management with the new order quantity. The intra-day dynamic data updates and plan quantities are displayed in a new workbook.

Customer Orders

Customer Order processing has been enhanced to give the Retailer better control over when the inventory arrives in the store. Prior to the 13.2.2. AIP release, Customer Order inventory arrived at least one day prior to pick-up to ensure availability at anytime during the day. The date must now reflect the date the order quantity is needed in the store. The in-store date must consider the promised time to the customer and the time a store takes delivery. AIP will assume that receipts can meet customer orders on the same day.

Documentation Enhancements

AIP 13.2.2 includes the following documentation enhancements.

Oracle Retail AIP SRP/WRP User Guide for the Fusion Client and Online Help

Oracle Retail AIP SRP/WRP User Guide for the Fusion Client

The *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide for the Fusion Client* describes store and warehouse replenishment processes on the Oracle Retail Predictive Application Server (RPAS) Fusion Client. Prior to this release, there were separate guides for store and warehouse replenishment processes.

Unlike the RPAS Windows-based Classic Client, the Fusion Client includes a taskflow feature that provides a robust workflow capability to make each planning activity easier to track and maintain.

Combining the store and warehouse replenishment processes into a single user guide better reflects the new SRP/WRP taskflow on the RPAS Fusion Client.

Oracle Retail AIP SRP/WRP -Online Help

The AIP Store and Warehouse Replenishment Planning - Online Help provides context-sensitive help in an HTML format for store and warehouse replenishment processes on the Oracle Retail Predictive Application Server (RPAS) Fusion Client.

Note: For more information about the RPAS Fusion Client, see the 13.2.2 Oracle Retail Predictive Application Server documentation set.

SRP/WRP Calculations (ID 1323966.1)

The My Oracle Support Note (ID 1323966.1), *Oracle Retail Advanced Inventory Planning SRP/WRP Calculations*, provides calculation descriptions and details for store and warehouse replenishment planning.

This document is available through My Oracle Support. Access My Oracle Support at the following URL:

<https://support.oracle.com>

SRP/WRP Replenishment Method Related Parameters (ID 1334613.1)

The My Oracle Support Note (ID 1334613.1), *Oracle Retail Advanced Inventory Planning SRP/WRP Replenishment Method Related Parameters*, is a spreadsheet that provides implementors and business users with a searchable reference of parameters by replenishment method. Designed to be used in conjunction with the *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide—Classic Client* and the *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide—Fusion Client*, this spreadsheet directs the user to the workbook and lists the exact measure names for the selected replenishment method. The user guides provide complete descriptions of the measures which are not included in the *Oracle Retail Advanced Inventory Planning SRP/WRP Replenishment Method Related Parameters*.

This document is available through My Oracle Support. Access My Oracle Support at the following URL:

<https://support.oracle.com>

Fixed Issues/Defects

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

Defect Number	Fixed Issue/Defect
6932301	RMS Purchase Orders are not interfacing correctly from AIP. This issue has been corrected.
9440671	Purchase Order modifications to same destination as earlier location raises an exception ORD_LOC_EXIST at RMS. This issue has been corrected.
9651909	The file dmx_pcktyp is not used by AIP RPAS and should not be loaded. This issue has been corrected.
9911773	The Need Above Order Commit measure should display zero (0) when there is no SPQ. This issue has been corrected.
10043231	Aggregation method for Stock Cover Days and Available Space measures result in the inclusion of negative N/A values. This issue has been corrected.
10146149	Description for measure wr1_curinvinit is incorrect in database and spreadsheet. This issue has been corrected.

Defect Number	Fixed Issue/Defect
10146169	The Administration screens in AIP Online are not translated. This issue has been corrected.
10146181	Store Spoilage Threshold is not populated at global and default levels at SRP Interactive Evaluation workbook. This issue has been corrected.
10190250	The value of Department Capacity measure in the Inventory Capping Parameter workbook is not rolling over. This issue has been corrected.
10194022	The rule group SCRP_REPLPH is failing during AIP batch. This issue has been corrected.
10251190	Manipulating the SRP Administration workbook is affecting measures that are not related to it. This issue has been corrected.
10270557	WRP illegal parse issue when running the What-if Constrained menu. This issue has been corrected.
10308521	In cases where calculations should not round-up, then the decimal values need to be displayed. This issue has been corrected.
10313105	Global Domain Workbook builds are locking resources in all locals. This issue has been corrected.
10322650	Load online measures script failed due to locking issue. This issue has been corrected.
10329130	Unable to enter data in the DM Online. This issue has been corrected.
10365100	Net Inventory and Store Expected Writeoff rollup to chain level is incorrect. This issue has been corrected.
10365187	AIP is not generating a receipt plan for up to the Active Cap. This issue has been corrected.
10382518	Aggregation and Spread methods are not the same between regular and What-If measures. This issue has been corrected.
11072698	Warehouse Expected Receipts in WRP are in cases. This issue has been corrected.
11072765	Capping difference and Warehouse Projected Inventory is calculated incorrectly for Capped Stocked and Capped Stockless. This issue has been corrected.
11656769	Duplicate Purchase Orders in AIP causes failure in RIB This issue has been corrected.
11668248	On Linux under certain conditions dynamic_cast returns a null pointer. This issue has been corrected.

Defect Number	Fixed Issue/Defect
11668514	The order exporter package needs to set the Order ID when inserting into the po_mfqueue table. This issue has been corrected.
11668539	Store Order Cycle creation incorrectly requires 20 character code This issue has been corrected.
11677919	The transform script aipt_str_prd_life_rms13.2.ksh creates a record in the sr0_prdlfe.txt for each pack size from RMS. When the sr0_prdlfe measure is loaded the product life value is incorrect. This issue has been corrected.
11682655	No validation that Planning Horizon in DM Online is not greater than RPAS CLND. This issue has been corrected.
12356542	PO Scaling is not effecting POS for items assigned to Scaling Groups. This issue has been corrected.

Known Issues

The following table contains known issues for the current release.

Defect Number	Known Issue/Defect
11772859	WRP sales and demand credits are not being calculated.
12391107	Scaling failed due to duplicate records of orders.
12408948	Scaling creates negative forecasted receipts in WRP.
12413060	WRP Interactive Evaluation workbook receives <i>Unknown Workbook Error</i> due to memory exhaustion.
12530367	TOLABEL function is not performing well and that results in the slowing of the workbook build.
12553031	SRP Interactive Evaluation workbook build- bad performance after applying patch 13.0.2.
12590464	Store orders get reconciled even though the reconcile flag is set to False.
12591222	User unable to assign item to a profile if a historically assignment exists for the item / profile.
12592164	The trainstop labels at the top of the RPAS Fusion Client wizard pages are not translated regardless of the language selected for AIP.

Defect Number	Known Issue/Defect
12723781	<p>When using the AIP-RPAS installer to patch an existing environment, it will generate an error in the log unless the AIP_SCHEMA_DIR in aip_env_rpas.sh is set to the default value:</p> <pre>[exec] Error! \$RPAS_HOME/bin/aip_env_rpas.sh defines AIP_SCHEMA_DIR as</pre> <pre>[exec] \$RPAS_INTEGRATION_HOME/aip_schema_dir, but this directory does not exist.</pre> <pre>[exec] This patch cannot update the RMS-AIP Transformation output schema.</pre> <pre>[exec] To patch these files manually, locate \$AIP_SCHEMA_DIR</pre> <pre>[exec] and unpack \$AIP_INSTALL/aip_schema.tar into it.</pre> <pre>[exec] Continuing with rest of patch....</pre> <p>After patching, unpack the aip_schema.tar into your AIP_SCHEMA_DIR. This environment variable is set in the aip_env_rpas.sh script. Make sure to use the path in your customized aip_env_rpas.sh and not the GA provided one. The AIP_SCHEMA_DIR is used by the RMS to AIP transformation scripts.</p>
12732394	<p>For the AIP-RPAS Installer: During installation progress output phase, when including Fusion client configuration, <i>stdout</i> may be hidden after reaching the [sshexec] step and then returns to prompt upon completion. View the Install log to see the full output of the installation process.</p>
N/A	<p>There is a known issue with the compatibility of RETL and the default OCI drivers in config.xml as generated by the application installer. Due to this issue, the thick (OCI) driver should not be used to connect RETL with the Oracle database. Instead, when using a non-RAC Oracle database, the thin driver should be used as described in the <i>Oracle Retail Advanced Inventory Planning Installation Guide</i>. The config.xml file generated by application installer must be edited as described in the guide. When using a RAC Oracle database, there is not a known workaround at this time.</p>

Related Documentation

For more information, see the following documents in the Oracle Retail Advanced Inventory Planning 13.2.2 documentation set:

- *Oracle Retail Advanced Inventory Planning Administration Guide*
- *Oracle Retail Advanced Inventory Planning Data Management Online Help*
- *Oracle Retail Advanced Inventory Planning Data Management User Guide*
- *Oracle Retail Advanced Inventory Planning Data Model Volume 1—Oracle Database Data Model*
- *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 Operations Guide*
- *Oracle Retail Advanced Inventory Planning Order Management Online Help*
- *Oracle Retail Advanced Inventory Planning Order Management User Guide*
- *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide for the Classic Client*
- *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning User Guide for the Fusion Client*
- *Oracle Retail Advanced Inventory Planning Store and Warehouse Replenishment Planning Online Help*

Supplemental Documentation

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

<https://support.oracle.com>

Oracle Retail Advanced Inventory Planning SRP/WRP Calculations (ID 1323966.1)

For a description of this My Oracle Support note, see the section, "[SRP/WRP Calculations \(ID 1323966.1\)](#)".

Oracle Retail Advanced Inventory Planning SRP/WRP Replenishment Method Related Parameters (ID 1334613.1)

For a description of this My Oracle Support note, see the section, "[SRP/WRP Replenishment Method Related Parameters \(ID 1334613.1\)](#)".

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Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

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