

Oracle® Retail Predictive Application Server
Release Notes
Release 12.0.5

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Preface

A Release Notes document can include some or all of the following sections, depending upon the release:

- Overview of the release
- Functional, technical, integration, and/or performance enhancements
- Assumptions
- Fixed and/or known issues/defects

Because of their brevity, Release Notes do not include chapters, appendices, or a table of contents.

Audience

Release Notes are a critical communication link between Oracle Retail and its retailer clients. There are four general audiences in general for whom a Release Notes document is written:

- Retail clients who want to understand the contents of this release
- Staff who have the overall responsibility for implementing Oracle Retail Document Template in their enterprise
- Business analysts who want high-level functional information about this release
- System analysts and system operation personnel who want high-level functional and technical content related to this release

Customer Support

<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Review Patch Documentation

For a base release ("0" release, such as 12.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information and code changes that have been made since the base release.

Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site:

http://www.oracle.com/technology/documentation/oracle_retail.html

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

Note: This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

This is a code sample
It is used to display examples of code

A [hyperlink](#) appears like this.

Release Notes

RPAS OS Certification Strategy

Oracle Retail Technical Strategy has provided clear direction on Operating System certifications in order to better support our customers' OS upgrade plans. For RPAS 12.0.5 patch, the following OS certifications have been completed:

- **Sun Solaris 9**
- **AIX 5.1**
- **AIX 5.3 (TL5 or greater)**
- **HP-UX 11i (11.11) PA-RISC**
- **HP-UX 11.23 PA-RISC**

For the next patch to RPAS 12.0 (12.0.6), the following OS certifications **WILL NOT** be completed:

- **AIX 5.1**
- **HP-UX 11.i (11.11)**

Although the code delivered for a certified version of an Operating System may be backward compatible with previous versions of the OS, backward compatibility verification **IS NOT** included in Oracle's OS certification policy.

The RPAS Server is no longer certified for Windows NT, however OS support will continue for the RPAS Client and RPAS Configuration Tools on Windows NT, XP, and 2000.

For any questions or concerns about Oracle Retail's OS certification strategy, please contact your Oracle Retail Customer Support Representative.

Current Patch – RPAS 12.0.5

Release Information

The following table provides information about the current release.

Release Information	Details Regarding This Release
Application	Oracle Retail Predictive Application Server (Client, Server, and Configuration Tools)
Version Number	12.0.5
Code Cut Off Date	6-29-07
Release Date	7-06-07
Type of Release	Patch
Base	12.0
Patch	5
Supported OS, Server and Compilers	Sun Solaris 9: gcc 4.1.1 AIX 5.1 and 5.3 (TL5 or greater): gcc 4.1.1 HP-UX 11.11 and 11.23 (PA-RISC): aCC 03.70
Supported OS, Client	Windows NT, XP, 2000
Required 3rd Party Software	JRE 1.4.2 (installed on client and server machines); 1.4.2_10 is recommended for IBM installations
Related Documentation	<ul style="list-style-type: none"> ▪ RPAS 12.0 Oracle Retail Predictive Application Server Installation Guide ▪ RPAS 12.0.2 Oracle Retail Predictive Application Server Administration Guide ▪ RPAS 12.0 Oracle Retail Predictive Application Server User Guide ▪ RPAS 12.0 Oracle Retail Predictive Application Server Configuration Tools User Guide

Note for HPUX, AIX and Solaris Customers: The libz.sl/libz.so is required by RPAS. The PATH environment variable should also include the directory in which it is located on the server. The environment variable for shared libraries is LD_LIBRARY_PATH for Solaris, LIBPATH for AIX, and SHLIB_PATH for HPUX. This shared library typically comes pre-installed on AIX and Solaris operating systems; however, it does not come installed on HPUX servers and is not part of the standard C library. Libz.sl/libz.so may be obtained by contacting your Operating System customer representative.

12.0.5 Resolved Issues

The following table provides information about the current release.

Resolved Issue	Defect Number
RPAS User Guide will be changed to reflect the following - All cells that belong to a measure with aggregation type "AMBG" or "AMBGP" and represent values at an intersection higher than the base intersection cannot be locked. The "Lock Cell" menu item, which was accessed by right-clicking, will no longer be available for such cells.	5352262
Corrected an issue where checkmarks were disappearing when scrolling in the wizard pages.	5547009
Corrected an issue that prevented users from seeing help files when help is initiated from a new window.	5563284
Corrected an issue that prevented the user from entering headers or footers that are more than three lines when using the Print menu.	5566963
When executing Clear Contents from the Edit menu, committing the cleared values caused unnecessary errors, preventing the commit.	5578689
Corrected an issue in the RPAS client that prevented edits to windows (e.g., minimize vs. maximize and window sizing) from being maintained when users switch between windows.	5647928
Improved the validation in User Administration/ Add User wizard. Invalid entries caused the wizard to quit. The validation will now display an error message and allow the user to enter a value that meets the field criteria.	5650275
Corrected an issue in the Show/Hide dialog that caused columns to be duplicated when "Sort by User specified sort order" is enabled from the Sort/Display Attributes tab.	5652687
Corrected an issue in the RPAS Client that prevented text in the y-axis from displaying properly. Text will not wrap, allowing the user to see the entire value.	5678828
Corrected an issue that caused a user edit to a cell to be overwritten with the previous value when the cell is resized prior to either selecting enter or clicking on another cell.	5692600
Corrected an issue with Sorting that prevented the use of "Sort by User specified sort order" when it is enabled multiple times for a sort.	5692998
Corrected an issue when using Paste Special, with "Don't paste NA values" disabled, which caused NA values to be pasted.	5739721
Corrected an issue that caused incorrect aggregate values to be populated for measures using calc rules containing Math functions.	5734843
Corrected an issue in the Hierarchy Maintenance that prevented dimension labels from displaying properly in the two-tree wizards.	5755287
Corrected an issue that caused the domainprop utility from returning values when using the -property prop argument.	5755406
Added a warning message to the log when executing the wbatch utility for instances when refresh and commit rule groups are empty.	5755522

Resolved Issue	Defect Number
Corrected an issue in the Configuration Tools that prevented a newly deleted rule from being removed when the Rule Filtering feature was enabled.	5766235
Corrected an issue that in unique circumstances caused multiple hierarchy positions to be assigned incorrectly to the same axis on a worksheet, resulting in an internal error. This error prevented the user from viewing the worksheet. To overcome this error, users will have to patch their domain (run <code>patchInstall</code>) once they upgrade to 12.0.5.	5768583
Corrected an issue in the RPAS Client that prevented the user from pivoting hierarchy tiles when the window was maximized and then resized.	5839848
Removed a code validation error in outline view. If the first position on any of the lower-than-highest rollup dimensions are hidden, and then one changes the rollup to the dimension on which the position was hidden or to a dimension below it, the client gets a code validation error.	5875771
In the Configuration Tools it was possible to create a configuration in which the worksheet intersection contained a dimension that did not exist on any default measure intersection. This resulted in the inability to properly set the axis layouts for the dimension's hierarchy. Users will now be able to properly layout worksheet axes with this distribution of measures between viewable and default profiles.	5881060
Corrected an issue in the Configuration Tools that caused Measure Labels that contained non-alpha numeric characters from displaying properly in the RPAS Client.	5885766
Corrected an issue in Configuration Tools that causes the rule expressions to change whenever one of the measures in the expression is a superstring of a newly added or renamed measure.	5908068
Addressed custom menu contention issues.	5912908
<p>Corrected several issues that caused the <code>reshapeArrays</code> utility to fail under the following conditions:</p> <ul style="list-style-type: none"> ▪ When the maximum number of file handles been exceeded. ▪ When fixing the inconsistent na values due to unremoved database/array entries in change arrays. ▪ When the above issues are fixed due to contention issue of meta database. 	5915395
Implemented a change that prevents user-defined dimension names to be registered with a leading or trailing underscore (“_”). However underscores within the dimension names are allowed. These conditions are consistent with the same criteria required for non-user-defined hierarchy dimensions. During the domain install and patch process, an error will be thrown in the log file to indicate when user-defined dimension that do not meet the necessary criteria are not registered.	5915865
Corrected an issue that caused measure values to be adversely affected in instances when the measure is loaded through the <code>timeshift</code> procedure and the measure has an NA value.	5923985

Resolved Issue	Defect Number
Corrected an issue in the <code>indexlast</code> function that caused indexes from calculating properly under certain conditions. This issue also prevented the patching of a domain from previous RPAS versions when the <code>indexlast</code> function was in the configuration.	5936790
A new environment variable called "RPAS_INCAGGPC" is added. The name stands for Incremental Aggregation Precision. It has the default value of 1.0e-6. The Incremental Aggregation method of TOTAL uses this value to cut off small numbers resulting from incremental aggregation calculations. Currently only the Incremental Aggregation function uses this environment variable, so other functional areas will not be affected by this change.	5944896
Corrected an issue that caused the <code>reconfigGlobalDomainPartitions</code> utility to fail when trying to move positions from one local domain to another using the <code>-move</code> argument.	5948600
Corrected an issue that caused the client to fail in instances when the right-click menu is initialized from the first cell that belongs to leading virtual measures.	5955133
Corrected an issue that caused the RPAS client to fail when scrolling and toggling back and forth from chart to graph mode.	5963270
The Hierarchy Maintenance Template is allowing non-user defined dimensions to be selected when access rights are being assigned to these dimensions in Security Administration. Hierarchy Maintenance should only support user-defined dimensions.	5965541
Updated the RPAS client to display "Oracle Predictive Solutions" in the client title bar in instances when all windows are minimized in the workbook.	5967691
Corrected a performance issue during traversal to a different cell after an edit in the RPAS Client.	5973773
Corrected an issue that occurs while running the <code>alertmgr</code> utility with the <code>-findAlerts</code> argument for an individual alert using the <code>-alerts</code> parameter. This issue would overwrite existing values for other alerts, preventing users from managing their alerts with multiple calls to " <code>alertmgr -findAlerts -alert x</code> ".	5982405
Added new validation in the Configuration Tools to indicate when measures are improperly configured with more than 5 dimensions in the base intersection.	5983103
Implemented performance enhancements to further improve workbook build times.	5983564
Corrected an issue in the <code>domaininfo</code> utility when using the <code>-all</code> and <code>-listsubdomains</code> arguments. Both internal and external position names for the partition dimension. This change now ensures that only external position names are returned.	6000715
Corrected an issue that caused expressions with the <code>timeshift</code> function to return incorrect values when the calculation occurred in a workbook in the master domain. This occurred when the measure being calculated had differing NA values in the subdomains.	6001036

Resolved Issue	Defect Number
Corrected an issue with RPAS Client that caused the client to fail while switching from one alert to another under some specific conditions.	6002793
Corrected an issue that caused the <code>reconfigglobaldomainpartitions</code> utility execute improperly when the <code>-move</code> argument in instances with multiple partitions are to be moved.	6003301
Provided additional logging to the <code>reconfigglobaldomainpartitions</code> utility for move/remove operations, when all/subset of the specified positions do not exist in the domain. Now, during <code>reconfig</code> process, RPAS first checks if specified position exists in the domain. If none of the positions exists, an error message will be thrown. If only some of the positions are non-existing, log a warning and continue the operation.	6003357
Corrected contention issues when executing the <code>wbatch</code> utility when building multiple workbooks in parallel.	6004126
Made calculation time performance improvements to expressions using the <code>timeshift</code> function.	6004261
Made changes to <code>loadhier</code> and <code>reconfigglobaldomainpartitions</code> utilities to support the reclassification of all positions (using <code>loadHier</code>) from one partition position to another, resulting in an empty domain.	6016544
Changing measure formats in the client, and then saving the format to the group, causes format changes to display incorrectly when workbooks are built with the new measure formats.	6017187
Corrected an issue that caused integer measures with an agg type of 'avg' to have incorrect values.	6019388
Correct issue for Date Type measures with no NA value that displayed incorrectly in the RPAS Client when the user assigned no value to the cell.	6022021
Corrected an issue where multiple processes attempted to create the same temporary database during <code>mace</code> call.	6025434
Corrected a "Connection dropped unexpectedly" error that occurred when scrolling the client window under specific circumstances.	6026914
Corrected an issue that caused an error in the RPAS client when the user attempts to spread aggregate changes to destination cells that have all negative values.	6029013
Corrected an issue that caused <code>rpasinstall -patchinstall -configdir</code> to fail when non-existing subdomains are passed in.	6031622
Corrected an issue with <code>calcengine</code> that was caused the values of a freshly built workbook to change upon refresh.	6044930
Corrected an issue where workbooks were failing in some instances when data that includes valid values, as well as Ambig values (?), were sorted.	6044966
Corrected an issue that caused the <code>positionBufferMgr</code> utility to fail when using the <code>-rebuffer</code> argument after a partition position has been moved to a new local domain using <code>reconfigGlobalDomainPartitions -move</code> .	6047890
Corrected an issue where "Connection dropped" error appeared during refresh/calc operations of measures with <code>pst</code> as aggregation method, under specific conditions.	6049354

Resolved Issue	Defect Number
Corrected an issue that caused the <code>copydomain</code> utility to fail when using the <code>-partitionposition</code> argument.	6064838
Corrected an issue that caused the <code>wbatch</code> utility to fail when the name of the workbook included non-alphanumeric characters such as: <code>\ / ? < ></code> .	6065314
Corrected an issue where position queries were failing on widows with a particular orientation.	6067287
Fixed an issue that was causing <code>loadhier -forceInput</code> to fail on location hierarchy	6070297
Corrected an issue with <code>regMeasureAttr</code> utility that was exhausting the available memory and eventually failed when patching a domain.	6087339
Corrected an issue in the Configuration Tools that caused stored data to be lost during the <code>patchinstall</code> process in instances when the measure is added to the Data Interface Tool.	6109254

12.0.5 Enhancements

This section describes new features or enhancements for the 12.0.5 release.

cleanDomain Utility

A new utility, `cleanDomain`, is introduced on 12.0.5 to report and clean the measure inconsistencies that could occur during measure registration/unregistration processes. For now, `cleanDomain` will only provide an option to clean measure/measure attribute inconsistencies.

cleanDomain Syntax

```
cleanDomain -d domainPath [COMMAND] {OPTIONS}
COMMANDS:
  -type measure|measattrib type of cleaning
OPTIONS:
  -report                report the problems, do not clean domain.
```

Using cleanDomain

The following provides important information about using `cleanDomain`:

- This utility can only be employed in a global or a simple domain. It cannot be used in a sub-domain.
- This utility first checks if there any differences between master domain and local domains. After creating a list of inconsistencies the discrepancies are unregistered in all the domains.
- For the measures that have a database (dynamic measures are not stored, they do not have a database), this utility checks if measure arrays exist in all the domains and unregister the measures which have missing measure arrays.
- Users are strongly recommended to back up their domains before using this utility. This utility unregisters the inconsistent measures which may cause data loss. It should be used after exhausting other options to correct the inconsistencies.
- `-report` option is provided to get a list of measure inconsistencies throughout the entire domain. When this option is used, there will be no changes to the domain.

loadHier Enhancements

The next enhancement to the 12.0.5 release is the introduction of `defaultDomain` in `loadHier` functionality. The purpose of this enhancement is to enable hierarchy load process to allocate new partition positions to a default domain. This functionality allows a domain administrator to specify a default domain path that will be used for accommodating new partitions.

To achieve this goal, RPAS provides an optional argument for the `loadHier` utility, which allows the user to specify a default domain path for new partition positions. The `loadHier` process will create the default domain if it does not exist. Also, it removes the default domain when all the partitions are purged from the domain.

Measure Splitting Performance Enhancement

The final enhancement made to 12.0.5 is the significant **speed-up of “measure splitting”** part of the `loadMeasure` utility.

12.0.5 Outstanding Issues

No known issues.

Previous Enhancements and Additional Information

For information on previous RPAS release enhancements and additional information, refer to the release notes and documentation that accompany the previous release.