

Oracle® Retail Predictive Application Server
Release Notes
Release 12.0.7

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- (i) the software component known as **ACUMATE** developed and licensed by Lucent Technologies Inc. of Murray Hill, New Jersey, to Oracle and imbedded in the Oracle Retail Predictive Application Server – Enterprise Engine, Oracle Retail Category Management, Oracle Retail Item Planning, Oracle Retail Merchandise Financial Planning, Oracle Retail Advanced Inventory Planning and Oracle Retail Demand Forecasting applications.
- (ii) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.
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- (iv) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Store Inventory Management.
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- (viii) the software component known as **Style Report™** developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
- (ix) the software component known as **WebLogic™** developed and licensed by BEA Systems, Inc. of San Jose, California, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
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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 audiences in general for whom a Release Notes document is written:

- Retail clients who wish to understand the contents of this release.
- Integrators and implementation staff who have the overall responsibility for implementing Oracle Retail Predictive Application Server into their enterprise.
- Business analysts who are looking for high-level functional information about this release.
- System analysts and system operation personnel who are looking for high-level functional and technical content related to this release.

Related Documents

For more information, see the following documents in the Oracle Retail Predictive Application Server Release 12.0.7 documentation:

- *Oracle Retail Demand Forecasting Release Notes*

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. The following operating systems have been de-supported since the end of calendar year 2007:

- AIX 5.1
- Sun Solaris 8

The following operating system will be de-supported with the 12.0.8 patch:

- HP-UX 11.11 PA-RISC

The following operating systems will continue to be certified in 2008:

- Sun Solaris 9
- AIX 5.3 (TL5 or greater)
- HP-UX 11.23 PA-RISC

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, 2000 and Vista.

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

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	12.0.7
Code Cut Off Date	February 22, 2008
Release Date	March 14, 2008
Type of Release	Patch
Base	12.0
Patch	7
Supported OS, Server and Compilers	Sun Solaris 9: gcc 4.1.1 AIX 5.3 (TL5 or greater): gcc 4.1.1 *HP-UX 11.11 and 11.23 (PA-RISC): aCC 03.67
Supported OS, Client	Windows NT, XP, 2000, Vista
Required 3rd Party Software	JRE 1.4.2 (installed on client and server machines); 1.4.2_10 or higher is recommended for AIX installations
Related Documentation	<ul style="list-style-type: none"> ▪ <i>Oracle Retail Demand Forecasting 12.0.7 Release Notes</i>

Note for HPUX, AIX and Sun 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 Sun Solaris, LIBPATH for AIX, and SHLIB_PATH for HPUX. This shared library typically comes pre-installed on AIX and Sun 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.

Resolved Issues/Defects

The following table provides information about the current release.

Resolved Issue	Defect Number
After selecting a position with the Single Hierarchy Select dialog, the position's label will be displayed in the grid view. Previously, the position's name was displayed in the grid view.	5346653
Corrected issues that prevented the Russian translation from displaying correctly in the RPAS client.	6159353
Implemented performance improvements to the loadHier utility. An inefficient use of CPU usage had been identified when the utility was run in Kernel mode.	6440414
Corrected an issue in the RPAS client that prevented user formatting changes to the measure label fill color from being properly applied.	6456953
Implemented changes to the loadHier utility to prevent the utility from being run from any working directory. An issue was caused due to the current working directory being used as a log file location when loadHier calls reshapeArrays AND the user running the utility not having write permission to the working directory. The utility will always use the domain root directory as the log location, requiring anybody running the utility to have write permission on the domain.	6475916
Corrected contention issues that occurred when using autoworkbookbuild to build multiple workbooks containing alerts.	6486653
Updated the usermgr utility such that error messages and error return codes are generated whenever required arguments are missing.	6489545
Removed unnecessary log output when executing the loadHier utility, using the -checkparents parameter.	6489722
Corrected workbook build issues that occurred after a domain was patched to include measures set with the Hybrid aggregation method.	6491884
Corrected an issue with the timeshift procedure that prevented updates of "0" (zero) to the source measure from updating properly in the destination measure.	6520338 6611872
The loadHier utility's DataCleaner process has been parallelized due to performance issues when run in a global domain environment.	6525022
Corrected issues in the RPAS SpecialExpression evaluator that prevented the proper calculation of Preprocessing rule groups.	6602293
Corrected an issue with the nvalue () function that caused an invalid error when the same LHS measure name was a substr on the RHS.	6602487
Corrected an issue in MACE that prevented the proper use of "ignore" when the LHS measure of an expression was HBI.	6612537
rpasInstall may now utilize a defined number of maxProcess to improve domain build process times. To take advantage of this feature, the RIDE_OPTIONS environment variable should include - Drpas.maxProcesses=x, where x is the value to be passed to calls to loadhier made during the domain install process.	6631266

Corrected an issue in the Find Next Alert functionality that prevented the feature to be enabled once the navigation threshold no longer exceeded the maximum value.	6664657
Corrected issues in the RPAS SpecialExpression evaluator that prevented the proper calculation of Preprocessing rule groups.	6694576
Updated the loadHier utility to generate a new error message for instances when a new subdomain is encountered. The new message indicates that the user most likely needs to run the reconfigGlobalDomainPartitions utility.	6698754
Enhanced RPAS_TODAY functionality to generate an error message when its value does not have the proper format. The user will see error-type message output, but code will continue to run using system date/time value.	6712813
Corrected an issue in the Configuration Tools that caused the rule simulator to hang in instances when the edited measure contained 3+ cycle groups.	6740340
Corrected an issue in the copyDomain utility that prevented the copy of only those subdomains indicated by -partitionPositions.	6765308
Corrected an issue that caused an exception in the RPAS client when a dynamic picklist measure was defined on the ALL dimension.	6776737
Corrected an issue that prevented the proper commit of data in instances when the "now" vs. "end" date comparison was utilized to map data to the very last day of the calendar.	6785576
Corrected workbook build issues that caused positions in saved workbooks to be removed when a new hierarchy was loaded that included new positions.	6788880

Previous Releases

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

12.0.6 Resolved Issues

The following table provides information about a previous release.

Resolved Issue	Defect Number
Corrected an issue with the Transform function that kept calc rules that used this function from executing properly.	5344980
Corrected an issue that prevented a user from being deleted from the system if the user was still the owner of a corrupted workbook that had not been deleted properly by the system.	5409225
Corrected an issue that allowed the copy/paste functionality to be used to paste data to a measure that should not accept the data values.	5713512
Corrected issues that caused the "Find Next Alert" and "Previous Alert" features to throw an incorrect error in certain scenarios that use alert sorting.	5757271

Resolved Issue	Defect Number
Performance enhancements have been implemented within loadMeasure when the utility is executed with the -splitonly parameter.	5739976
Removed an incorrect error message that was displayed to the user when the user opened a previously saved workbook currently in use by another user.	5768642
Corrected a problem with the percentage of parent value when it was changed to less than 1 in situations where only one position is selected, causing an erratic value to be displayed for the child measure. The user should now see an unchanged child value when the percent of parent is changed to other than 1 on the client in the above situations. Additionally, the percent of parent value reverts back to 1.	5876827
Corrected a problem in the domain build log that caused false errors to be reported while validating rules.	5899862
Corrected a problem in the domain build log that caused false errors to be reported while validating rules.	5933821
Corrected an issue with the indexlast function that caused an off-by-one indexing error when referring to the last cell.	5936790
Removed an erroneous loadMeasure log message that referred to a global domain load when in a simple domain environment.	6013181
Corrected an issue with positionBufferMgr -partitionPositions parameter where the parameter required an internal position name. The change now requires the external position name.	6036536
Corrected an issue that prevented the proper deletion of forecast from RDF.	6059643
Removed an incorrect error message that appeared when calling the usermgr utility with either the add or remove parameter.	6083248
Added new validation to exportData to throw an error message if any of the dimension specs parameters have the same hierarchy.	6132561
Corrected an issue that prevented the Commit Later option from being disabled when the domain property is set to TRUE.	6137395
Corrected an issue in the RPAS client that caused the client to shut down upon adding a spin button to a measure in a workbook.	6138663
Corrected an issue that prevented the Refresh menu option from being disabled in a workbook when the refresh rule group had been removed during the patching process.	6140729
Performance improvements have been made to the updateFnhbi utility when multiple instances of the utility are being run simultaneously in multiple domains. It is recommended that this utility is run only from the Master domain.	6143028
Corrected an issue that caused Synchronized Page Scroll to not be active on windows that are hidden behind a maximized window.	6151899
Corrected an issue that prevents the user from building workbooks if the user is assigned to 10 or more user groups.	6154545

Resolved Issue	Defect Number
Corrected a hierarchy rollup problem that occurred when a prefixed or generated internal name (prefixed with &\$%) is used as a buffer position (due to deletion or reclassification) in a local domain while the same positions are used as an internal name in another local domain.	6167196
Corrected issues with saving workbooks or user formatting changes in workbooks that contain the "E" character.	6229964
Corrected a problem that prevented multiple users from generating batch Grades simultaneously.	6272562
Corrected performance issues in loadMeasure.	6276005
Corrected issues with the -Add and -Remove options in regTokenMeasure. These options were incorrectly behaving the same way as the -list option.	6313774
Corrected an issue that prevented the proper edit of cells when the user had locked a cell on a percent of parent measure.	6319622
Removed an incorrect error message that resulted when more than 10,000 edited cells were being calculated.	6320057
Corrected an issue where privileges were denied on the Security Administration template to not affect the administrator.	6332042
Updated AutoWorkbook (wbatch utility) to return a non-zero error code when a failure occurred while executing the utility.	6339643
The usage of alertmgr is modified and the user can now use a new option called "sumAlerts", which needs to be run from the global domain only. The findAlerts option can now be run from both from Master and local domains.	6342574
Fixed an issue where the presence of duplicate positions were resulting in AliErrors during hierarchy maintenance.	6346394
Fixed an issue where duplicate positions were being created in a given dimension due to case-sensitivity.	6351059
Corrected an issue that prevented the registration of token measures using regTokenMeasure with the -fnhbi parameter.	6352301
Corrected an issue that prevented the sorting of Boolean measure types if ambig values were present.	6355437
Corrected an issue that prevented alerts from displaying properly when "Change Alert Measure" was used.	6357391
Performance improvements have been made to the rollup correction process when loadHier is executed with the -forceInputRollups parameter.	6364757
Made corrections to the cleanDomain utility; the usage and version info are now properly displayed.	6369335
Corrected issues in loadHier that caused the utility to fail when it rebuffered dynamically during the roll-up correction process.	6377110
Corrected issues when using the Find feature immediately after using Alt+Tab on the user's desktop.	6391819
Corrected issues with the Edit – Fill functionality that prevented the proper use of the "Don't spread to NA values" option.	6395228

Resolved Issue	Defect Number
Corrected an issue that prevented the opening, deleting, and saving of workbooks in the Master domain in instances when a corrupted workbook was present.	6417747
AlertMgr has been decentralized – it can now be run on the local domains individually. The administrator may now spawn several processes in parallel, and when needed, run AlertMgr -sumalerts again to aggregate the results to the global domain. If parallelization is desired, the administrator should create a script to spawn processes in parallel.	6429111
“Create Percent of Parent” functionality has been changed in the RPAS client to filter out all measures that have an agg type other than “TOTAL”.	6439620
Corrected an issue that prevented the proper display of measures in the Show/Hide dialog when “Create Percent of Parent” was used.	6441942
Corrected sparsity issues when using the Hybrid aggregation method.	6449742
Corrected issues within the two-tree wizard that prevented the proper expansion and collapse of positions when “Select Display and Sort Attributes” was selected and attribute measure was used to sort the data.	6472500
For some languages (e.g., French, Italian, Russian), Windows was not properly translating the decimal key from the numeric keypad into the locale-specified decimal character.	6475143

12.0.5 Resolved Issues

The following table provides information about a previous 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

Resolved Issue	Defect Number
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 wbbatch utility for instances when refresh and commit rule groups are empty.	5755522
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 patchInstall) 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

Resolved Issue	Defect Number
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 un-removed 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 timeshift procedure and the measure has an NA value.	5923985
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

Resolved Issue	Defect Number
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 alertmgr utility with the -findAlerts argument for an individual alert using the -alerts parameter. This issue would overwrite existing values for other alerts, preventing users from managing their alerts with multiple calls to "alertmgr -findAlerts -alert x".	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 domaininfo utility when using the -all and -listsubdomains 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 timeshift 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
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 reconfigglobaldomainpartitions utility execute improperly when the -move argument in instances with multiple partitions are to be moved.	6003301
Provided additional logging to the reconfigglobaldomainpartitions utility for move/remove operations, when all/subset of the specified positions do not exist in the domain. Now, during reconfig 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 wbbatch utility when building multiple workbooks in parallel.	6004126
Made calculation time performance improvements to expressions using the timeshift function.	6004261
Made changes to loadhier and reconfigglobaldomainpartitions utilities to support the reclassification of all positions (using loadHier) 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

Resolved Issue	Defect Number
Corrected an issue where multiple processes attempted to create the same temporary database during mace 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
Corrected an issue that caused the <code>copydomain</code> utility to fail when using the <code>-partitonposition</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

12.0.4 Resolved Issues

The following table provides information about a previous release.

Resolved Issue	Defect Number
Added new validation within the RPAS Configuration Tools to check for the condition when the "last" keyword is being used in an expression in which the left hand measure is not registered with an intersection that includes the calendar hierarchy. Such a condition will now show as invalid.	5412222
Added a new argument to the loadHier utility. -noSort is added for special cases when the RPAS process of sorting the hierarchy file prior to loading the values is not needed due to preprocessing (external to RPAS). The use of this flag will prevent the input <hier.dat> file from being sorted while loading the hierarchy.	5557888
To resolve an issue related to the failure of RPAS to properly delete temp directories generated during the use of multi-process utilities, the format of the label of the output directories has been modified. The resulting directory name is now "<utility><YYMMDDHHMISS><pXXXXX><bYY>" where utility is the name of the program (e.g., - loadmeasure), followed by a time/date stamp, then the process id (pXXXX), and then a 2 digit number to avoid conflicts (bYY). The process id is new and should prevent the above problem.	5616777
Corrected an issue that caused workbooks that have been saved using "Save As" to ignore locks on measures.	5639837
Corrected an issue caused in certain instances when the exportData utility is being used with -processes to generate an error. The utility will now produce valid results with no error.	5658379
Correct an issue in special circumstances in which an "invalidmode error" is displayed for measures that are not set to a particular NA value.	5692556
Corrected an issue with the loadmeasure utility that caused the utility to generate loglevel -all messages regardless of the loglevel setting.	5698837
Corrected an issue in the RPAS Configuration Tools that prevented the rule expression dialog box from closing when OK is selected.	5706196
Corrected an issue that caused the Copy and Paste from Clipboard functionality to fail under certain instances.	5716565
Added a new flag to the reconfigGlobalDomainPartitions utility. The -forceInputRollups flag will prevent this utility from failing in instances where there is a roll-up conflict in the input file provided to the utility.	5731776
Corrected an issue that prevented the update of workbook tab labels when using patchInstall.	5753135
Corrected an issue in the RPAS Configuration Tools that prevented the user from reordering rules.	5755504
Corrected an issue in the RPAS Configuration Tools that caused the rule display from properly updating to reflect the removal of a large set of rules.	5764263
Corrected an issue in the RPAS Configuration Tools that prevented the deleted rules from being removed when rule filtering is active.	5766235

Resolved Issue	Defect Number
Corrected an issue in the RPAS Configuration Tools that prevented the intersections of external measures to be visible options when using the Standard Wizard dialog.	5768772
RPAS added a new warning message to the user interface that will appear during a workbook build in instances when the workbook references a calc rule group which does not exist. This can occur when a calc rule is removed from the configuration and the change is patched into the domain, but the deleted rule is not removed from the workbook template.	5768847
Corrected an issue in the RPAS Configuration Tool / Rule Simulator that caused an invalid warning message to be displayed whenever a recalc measure appeared on the right hand side (and not the left) regardless of the intersections involved. The algorithm now checks that the right hand side recalc measure can be aggregated. If so, the warning will be displayed.	5840501
Corrected an issue that impacted the performance of loadHier in instances in which purge age is set to 0 and reclassification must also occur. Users will now see a significant performance improvement for this situation.	5846780
Made significant performance improvements to loadHier for instances when it is used for reclassification of positions.	5857392
Corrected an issue in loadHier that caused the purging of a partition position fail when there are other positions in the subdomain requiring purging.	5860737
Corrected an issue when calculating percent to parent contributions in instances when very small values (with a precision of six, e.g., 0.000001) are being stored in the cell. Small values will now be considered to be 0.0 when determining the percent to parent contribution.	5870528
Corrected an issue in loadHier that caused the utility to fail whenever it is used to re-class positions that require the addition of buffer positions dynamically in a domain where there are user defined dimensions registered.	5879238

12.0.3.7 Resolved Issues

The following table provides information about a previous release.

Resolved Issue	Defect Number
Corrected an issue that caused measure values to be adversely affected in instances when the measure is loaded through the timeshift procedure and the measure has an NA value.	5923985

12.0.3 Resolved Issues

The following table provides information about a previous release.

Resolved Issue	Defect Number
Corrected an RPAS client crash issue which was occurring when Synchronized Page Scrolling was enabled and one of the worksheets being viewed was in Chart mode.	5091022
Fixed an issue in RPAS Configuration Tools / Measure Manager that caused the measure names column to be out of sync with the other properties of the measure when traversing the measures using the up and down arrow keys.	5103753
Corrected an issue in the RPAS Configuration Tools / Measures and Realized measures tabs that caused these tabs to be out of sync when a component name was edited then the user selected different measures to be displayed.	5111268
Fixed an issue in the RPAS Configuration Tools that caused the Tools to hang when the Apply Pattern feature was used more than once on the same rule in a large configuration.	5119904
In instances when the user is unexpectedly disconnected from the client/server, RPAS was not releasing locks, which caused the server process to terminate. As a result the user received the error "problem while receiving data (Windows error 10054: An existing connection was forcibly closed by the remote host)". The resolution of this issue requires that the "RPAS_LOCK_TIMEOUT" environmental variable be set with the number of seconds to wait before the RPAS Server terminates the connection. The default setting is no timeout. See the RPAS Administration Guide for more information on this variable.	5120539
Resolved an issue in the RPAS client Show/Hide feature that caused an error message when the user right or left-clicked over items when the window is only partially displayed.	5228933
In the RPAS Configuration Tools, a fix was made to rule filtering functionality. When measures were selected and a rule label or rule expression was modified the screen would freeze up preventing the user from continuing.	5233510
In RPAS 12.0, some of the utility applications were updated to run as a multi-process system requiring the directory structure for logging to be changed. An update to RPAS has been made to create a directory with the name of the utility plus timestamp under the domain/output directory. This directory will contain all the log files created during the run of that utility. This change has been updated so that the controlling process logs to the screen as well as to a file in that directory.	5254403
Fixed an issue within RPAS that caused recalc measures to be incorrectly evaluated. The behavior of recalc measures in an RPAS solution now correctly reflects the behavior in the RPAS Configuration Tools / Rule Simulator.	5254853, 5576504, 5335560
Fixed an issue in RPAS that caused an error message to be displayed during the workbook build in instances when multiple alerts with duplicate rules were being loaded in the load rule group. RPAS no longer generates load rules for alerts that are already defined in the workbook.	5294956

Resolved Issue	Defect Number
An enhancement has been provided in the <code>loadhier</code> utility error log. <code>loadhier</code> now provides a list of all hierarchy positions that have been changed since the previous hierarchy load.	5345472
Fixed an issue in RPAS client that caused an error message to display when the user scrolled the z-axis (the slice) in instances when the hierarchy is aggregated to "All" and a lower dimension of that hierarchy is also displayed.	5348866, 5379233
The RPAS client now displays a more user-friendly error message when the user attempts to the copy and paste operation for aggregated measures with ambiguous (ambig) measure types. This type of copy and paste operation is not supported within RPAS. However, "copy at base" works for ambig measures at aggregated levels.	5349534
Fixed an issue in the RPAS Configuration Tools / Workbook Manager that allowed the base intersection of the worksheet to be defined using the dimensionality of only the selected Default measures, causing the dimensionality of the Viewable and Extended measures to be ignored. Now the base intersection of the worksheet may be defined using the dimensionality of the measures selected as Viewable.	5356194, 5362696
Resolved an issue that caused <code>loadmeasure</code> to core dump when including a comma separated list of multiple measures.	5383366
Corrected an issue in the <code>patchInstall</code> utility that caused updated plug-in information (such as Forecast Data Source in the RDF plug-in) to not update in the domain.	5389217
Corrected an issue that prevented the use of white spaces to be used in dimension attribute labels.	5392822
Corrected an issue in the RPAS Configuration Tools / Copy Selected Rules feature that prevented the display of the dialog to select the Destination Rule Group in which to copy the rules.	5392878, 5606972
Corrected an issue that prevented the proper display of decimal values after calculations for instances when translated versions of RPAS were being used.	5393547
A fix was made to Auto Position Query that prevented updates to the position query from calculating in worksheets that were not visible (minimized) in the workbook.	5396302
Corrected an issue that occurred during the execution of a custom menu, causing contention if a shell script needed to be executed. RPAS now ensures that all databases opened by the execution rule group are now closed before the shell script is executed.	5449300
Resolved an issue with <code>reconfigGlobalDomainPartitions</code> and <code>loadhier</code> that caused an unknown Exception error when used with <code>- move</code> option on user-defined dimensions.	5453229
Fixed issues with the <code>wbatch</code> utility, which under some instances caused the domain to be in a corrupted state when executing the Auto Workbook queue after changes occurred to build dates or user deletions and position deletions were performed.	5456133
Fixed an issue in the RPAS Configuration Tools that prevented the Rule Group Simulator from properly executing.	5459146

Resolved Issue	Defect Number
<p>Added a new argument to <code>loadHier</code> to force NA consistency when the current NA value is different from the originally defined NA value for the measure.</p> <p>The RPAS Calculation Engine calculates the optimum NA Value for each measure array to increase storage efficiency if such a measure is included in calculations. As a result of this operation, measure arrays in some instances may have different NA Values than the original measure NA Value registered by the user. When the number of positions in measure array is increased through <code>loadhier</code>, the user might be expecting that the newly added positions in the measure get the same value as the <code>navalue</code> registered with the measure. However, until now, RPAS was not accounting for a <code>navalue</code> change for the array and all newly added positions were getting the same value as the <code>navalue</code> of the array. This issue has been resolved, but this comes with a performance cost since RPAS is ensuring all newly added positions contain proper values.</p> <p>Clients will be able to trigger this optional correction process by specifying an optional argument on '<code>loadHier</code>' or '<code>reshapeArrays</code>' command-line. The new argument is called "<code>forceNAConsistency</code>". Specifying this argument will run the Inconsistent NA Handler process. When this argument is not specified, RPAS still keeps track of changes. This is an incremental process.</p> <p>Example</p> <p>SKU A and B are added without this argument specified. RPAS creates the <code>nahandler</code> database under data directory with these skus. Next time skus C and D are added. These skus are added on top of the old ones in <code>nahandler</code> database. The array that RPAS keeps in the <code>nahandler</code> database has these 4 added SKU positions. In addition, new stores may be added to the <code>str</code> dimension. RPAS creates another array that keeps track of these changes to the <code>str</code> dimension. Whenever <code>reshapeArrays</code> or <code>loadHier</code> is run with this optional argument, RPAS processes these skus/strs and completes the necessary changes. When this process completes, RPAS deletes the <code>nahandler</code> database. Subsequently, the absence of <code>nahandler</code> database means there is no <code>navalue</code> inconsistency.</p> <p>In most cases performance improvements to these overall processes will be observed as part of this fix. Previously, RPAS was looping over all the registered measures regardless of any dimension changes. With this implementation, RPAS only loops over the registered measures for the updated dimension. We strongly encourage <code>loadHier</code> to be run with <code>-maxProcesses</code> function to run some portion of <code>loadHier</code> and <code>reshapeArrays</code> in parallel. This particular functionality also runs in parallel when that argument is specified.</p>	5489088
<p>Fixed a roundup function issue which generated incorrect results when a decimal value was used as a multiplier.</p>	5523427
<p>Fixed an issue with <code>reconfigGlobalDomainPartitions</code> such that RPAS now handles the case of adding a domain due to the reclassification of data to a new hierarchy dimension at the partition level. The fix involves re-buffering the dimensions (if needed) to accommodate the new incoming positions. However there is an exception to this re-buffering: if the dimension is not configured to have buffer positions (<code>bufPctMin</code> and <code>bufPctMax</code> of that dimension is not set) <code>loadHier</code> will still fail when positions are reclassified that belong to that dimension.</p>	5524730

Resolved Issue	Defect Number
Fixed an issue with <code>exportData</code> which generated errors when trying to export multiple measures in parallel.	5527043
Resolved an issue in the RPAS Configuration Tools / External Measures feature which caused edits to external measure parameters to display incorrectly when the user attempted to restore the parameter to the inherited value.	5531384
Fixed an issue in the RPAS Configuration Tools / Used In feature, where the pop up box displaying the "used in" rules was sometimes out of bounds of the Tools workbench viewport hence the Tools appear frozen since the popup box could not be closed and no other action could be initiated unless the popup box was closed. The fix involves restricting the popup box to be within the viewport of the rule definition window.	5534033
Corrected an issue with <code>loadHier</code> utility which caused a failure when adding a new position starting with alpha character using <code>reconfigGlobalDomainPartitions</code> utility. The utility was corrected to be case insensitive.	5557481 / 5575121
Corrected an issue in the RPAS Configuration Tools that caused the user to first click out of a rule group to access a newly added rule to the rule group. The additional clicks are no longer necessary.	5562210
Corrected a <code>CopySpecial</code> and <code>PasteSpecial</code> issue in the Edit menu of the RPAS client. The actions of Pasting NA values and "Don't Paste NA Values" were showing inverse effects. This has now been restored.	5566996
Fixed an issue in the RPAS Client which prevented all positions from a position query from displaying properly.	5589910
Resolved an issue with MACE that caused a core dump to occur when a rule containing 'if' and 'lag' was executed in a global domain environment on the SUN operating system.	5590399
Corrected an issue in <code>patchInstall</code> that prevented the patching of a rule that is shared by different solutions.	5592078
Corrected an issue in the RPAS client, which now displays the position queries correctly and handles synchronize position scrolling for all windows including tabs in other windows. Prior to the fix the position queries were displayed incorrectly when the user navigated from one tab to another.	5592563
Resolved an issue that caused the RPAS client to crash when building a workbook template. This occurred when previously for the template both <code>Enable Synchronized Page Scrolling</code> were checked and <code>Save Format-Template</code> was executed, then the workbook template was re-built.	5594847
Fixed an issue with the domain <code>prop</code> utility that prevented settings from being propagated to all local domains.	5601454

12.0.1 Resolved Issues

The following table provides information about a previous release.

Resolved Issue	Defect
A documentation error was corrected in the configuration guide. "For measures of type 'String,' the value in the 'range' field is ignored, and there is nothing in RPAS that restricts the width of a string measure."	5335904
A fix was made in the Security Template workbook allowing it to refresh after calculating. When 'refresh' is clicked, all data is now restored from the global (master) database.	5261397
In the RPAS configuration tool, a fix was made when using filtering in the Rules. When measures were selected and a rule label or rule expression was modified, the screen would freeze up preventing the user from continuing.	5233510
A fix was made to correct an issue that prevented the sorting of data in workbooks when using a measure with calendar in the base intersection.	5231546
Corrected an issue that prevented exception formatting to be applied to cells that contain the NA value.	5230649
Corrected an issue when building a workbook that includes alerts (not through Alert Manager), and there are no alert hits in the workbook. This issue caused the following message to appear for every worksheet that was opened: "The alert does not have any hits. Find Next Alert functionality is disabled." This message will now appear only once on the first opened worksheet.	5206518 5026943
The usage for exportData was updated with usage information about -params option	5189281
Corrected an issue that occurred when measure values were being unlocked by a user. The measure had to be refreshed for the unlocking to occur. This change prevents the need to refresh the measure.	5162897
Corrected an issue that caused calculations to fail when different arrays of the same measure are used at both LHS and RHS of the expression. The fix required RPAS to re-order the sequence of operations such that the LHS measure arrays are opened before the RHS measures.	5137805
Corrected an issue in the RPAS Configuration Tools that prevented the opening of a configuration immediately following the renaming of a dimension. The renamed dimension will be flagged red in all solutions, but the configuration will now open.	5108594
The workbook commit (Commit ASAP and Commit now) no longer fails when entering a value for a user group that has no users associated with it in the Security Administration workbook on the Workbook Limit per Group/Template worksheet.	5107657
A fix was made to the rule tool such that it no longer allows duplicate renaming by case sensitive comparison. In other words, you can no longer create two rules with the exact same name, but with different alphabetical cases; such as "BUcalc0001" and "bucalc0001"	5099732

Resolved Issue	Defect
RPAS now prevents recalc measures from being inserted into a workbook. Recalc measures require recalc expressions, and if such expressions are active the measure should already be in the workbook.	5092471
A fix was made in the RPAS configuration tool where it is now possible to remove the hier mods if edited and saved. Clearing the entry of a hier mod removes that hier mod from the workbook.	5091033
Corrected an issue when using auto-workbook build that caused the hierarchy selections from the previous run of auto-workbook build to be selected, resulting in the failure of the workbook.	5051629
Commit Later and Commit ASAP are now grayed out for instances when committing should not be a valid option, which is typically due to not having a commit rule group in the workbook.	5026516
Corrected an issue that prevented the use of position query and synchronized scrolling at the same time.	4857674 5395958
A new button was added in the Rule tool that allows the user to run comprehensive JNI based validation. In the installer the JNI validation runs as a task at install time.	4851578
Corrected an issue in Single Hierarchy Select that caused the position name rather than the position label from being displayed.	5456460
Corrected an issue that prevented the use of most hybrid aggregation methods in workbooks. This issue would cause workbook builds to fail.	5395884
Corrected an issue that prevented the selection of positions along alternate roll-ups in the wizard in cases where selections along the same hierarchy occur earlier in the wizard process on a separate wizard screen.	5347292
The RMS Sample Hierarchy configuration may now be generated in the RPAS Configuration Tools for new configurations.	5344267
Corrected an issue when using auto-workbook to build different workbook templates using Alert Manager. The workbook builds would fail due to auto-workbook attempting to use the last template built rather than the current template.	5325372
The usage for exportData has been updated to reflect the use of the –params option	5189281
Corrected an issue when using Commit Later that caused the message: "your workbook will be added to the commit queue when you save changes" to display every time the user selects the save button.	5026454