

Oracle® Retail Predictive Application Server

Release Notes

Release 13.2.3

August 2011

The Oracle Retail Predictive Solutions are a set of products used for generating forecasts, developing trading plans, and analyzing customer behavior. These products use predictive technology to examine historical data and to predict future behavior. The Oracle Retail Predictive Solutions run from a common platform called the Oracle Retail Predictive Application Server (RPAS) that includes features such as:

- Multidimensional databases
- Hierarchical data (product, time, and business location hierarchies)
- Aggregation and spreading of data
- Workbooks and worksheets for displaying and manipulating data
- Wizards for creating and formatting workbooks and worksheets
- Menus, quick menus, and toolbars
- Exception management and user-friendly alerts

Supported Applications on RPAS Fusion Client

With the release of 13.2.3, all RPAS applications are certified to be used on the RPAS Fusion Client. For more information, see the installation guide of the supported application.

- Oracle Retail Analytic Parameter Calculator for Regular Price Optimization (APC-RPO)
- Oracle Retail Assortment Planning (AP)
- Oracle Retail Category Management
- Oracle Retail Demand Forecasting (RDF)
- Oracle Retail Curve (for Curve, see the *RDF Installation Guide*)
- Oracle Retail Grade (for Grade, see the *RDF Installation Guide*)
- Oracle Retail Item Planning (IP)
- Oracle Retail Item Planning Configured for COE (IP COE)
- Oracle Retail Merchandise Financial Planning (MFP)
- Oracle Retail Regular Price Optimization (RPO)
- Oracle Retail Replenishment Optimization (RO)
- Oracle Retail Size Profile Optimization (SPO)

Hardware and Software Requirements

See the *RPAS Installation Guide* for hardware and software requirements.

Note: After the 13.2.3 release, Microsoft Vista will no longer be supported.

Cygwin

Cygwin is required if the RPAS Server is to be installed on Windows operating systems. You can find more information about downloading this product at <http://www.cygwin.com>.

For installation guidance, see the following note on My Oracle Support (<https://support.oracle.com>):

Cygwin Setup Guide for RPAS (Note 1333398.1)

This document details necessary options you should select when installing Cygwin to make it function properly with RPAS.

For more information about Cygwin, see the [Windows 7 and Cygwin](#) section.

Upgrade Notes

When upgrading RPAS, note the following issues:

Patching Domains

When applying any RPAS server upgrade, you should also run a configuration patch over the domains that are upgraded. There are times where the configuration resources have been updated and the domain must be patched to reflect those changes. An example of this situation is presented in bug 9680094.

Chart Formats

Bugs 9297192 and 9837542 describe problems with uninitialized chart formats saved with saved formats. This leads to potential issues such as unavailable legends to intermittent crashing. It also prevents chart formats from being inherited from a higher level saved format. These issues have been fixed for uninitialized chart formats created in the future, but the solution does not resolve issues with preexisting saved formats.

Because the RPAS Classic Client uses a third party chart control, it cannot be determined which chart formats have been initialized and which ones are invalid. The only solution is to determine if the window is in grid or chart mode.

A saved format schema update has been introduced that erases any chart formats for all windows in grid mode. This is a one-time update, and once completed, the user does not need to save the windows in chart mode again.

To keep a template with saved styles containing chart formats, perform the following steps:

Note: These instructions are required if you are upgrading from a version of RPAS prior to 13.2. If you are upgrading from 13.2, these instructions do not apply.

1. Before upgrading, create or open a workbook for that template.
2. Navigate to the windows with chart formatting you want to preserve.
3. Toggle the window to chart mode.
4. Save the formats to the level (user, group, or template) in which you want the chart formats.
5. After upgrading, create a new workbook for that template.
6. Optional: Toggle the windows back to grid mode.
7. Save the formats as described in Step 4.

For more information about the patching process, see the *RPAS Installation Guide*, the *RPAS Administration Guide for the Classic Client*, and the *RPAS Administration Guide for the Fusion Client*.

Functional Enhancements

RPAS 13.2.3 includes the following functional enhancements.

Enhanced Dimension Splitting

The dimension splitting functionality has been enhanced to allow users to view positions beneath the attribute values, sort clustered attributes by cluster instead of label, and create splits in the calendar dimension.

Dimension splitting (known as level splitting in the Fusion Client) allows you to group dimension data based on position characteristics defined by attribute values. Behind the scenes, a hierarchy is built based on attribute values at the level that is split, allowing the aggregations to be correctly calculated and providing a spreading for values edited at aggregated levels.

With the 13.2.3 release, the positions beneath the attribute values are visible, allowing users to see the individual components that make up the group. For instance, if a dimension split was created on the location hierarchy that split the stores based on their assigned climate attribute (such as hot, mild, cold), after the split is performed, the stores with the same attribute are grouped together and are listed within the attribute group. In previous releases, only the attribute group name was visible after the split and users could not see what positions comprised it.

When creating clustered dynamic attributes and using them in a dimension split, the clustered attributes were previously sorted alphabetically. In the 13.2.3 release, the clusters created by the dimension split are sorted in cluster order. For example, if there are High, Medium and Low positions, they are sorted in that order.

With this release, dimension splitting can be performed on the calendar hierarchy.

For information and instructions about dimension splitting, see the *RPAS User Guide for the Classic Client* and the *RPAS User Guide for the Fusion Client*.

Adding New Dimensions to Hierarchies and Renaming Dimensions Functionality

With the 13.2.3 release, new levels can be added to hierarchies in existing domains. Using the RPAS Configuration Tools, users can modify existing configurations to include additional levels and then generate a `hierarchy.xml` report to extract the information about the configuration. This file is used by RPAS during the domain creation and dimension patching process. Then, using the `exportMeasure` and `exportHier` utilities, users can export the measure and hierarchy data. After this data is exported, users can purge all positions from the hierarchies using `loadHier` utility. Then, using the `hierarchyMgr` utility with the `hierarchy.xml` report, users can add the new levels to the hierarchy and then load the updated data file and measure data to the domain with the `loadhier` utility.

In addition, dimensions can now be relabeled using the `dimensionMgr` utility.

Configuration Manager

A new user interface has been created for the existing `rpasConfigMgr` utility. This user interface is called the RPAS Configuration Manager. The RPAS Configuration Manager extends the `rpasConfigMgr` utility to provide a more powerful and flexible tool to manage differences between different versions of a configuration.

RPAS Configuration Manager uses the same diff and merge functionality that `rpasConfigMgr` uses, but expands on that functionality in order to provide the user with more information about and control over the merge process.

- RPAS Configuration Manager gives users the ability to interact with the process, enabling the user to select from a subset of all of the potential changes which diffs to apply to the upgrade.
- The `rpasConfigMgr` is sensitive to the changes in the base and the mod only. RPAS Configuration Manager has two diffs:
 - Between base and modified
 - Between base and the update

A set of algorithms compares these two diffs and detects changes present in the two modified configurations that could potentially create conflicts. RPAS Configuration Manager then allows users to resolve these conflicts before attempting the merge operation.

For more information, see the "RPAS Configuration Manager and `rpasConfigMgr`" appendix in the *RPAS Configuration Tools User Guide*.

Fusion Client User Interface Enhancements

The RPAS Fusion Client includes several user interface enhancements:

- The RPAS Fusion Client has a new user interface skin provided by the Oracle Application Development Framework (ADF) 11g release. The new skin provides an updated look and feel to the RPAS Fusion Client. The skin provides default color and formatting details.
- Views remain maximized in the docking area as the user moves from view to view.
- Users now have direct access to each tab of the Dimension dialog box from the right-click context menu.
- The Dimension dialog box remembers setting changes made on a tab after users navigate to another tab. Previously, users were required to click Apply on each tab before navigating to a different tab. Now, users can make all the necessary changes in the tabs and only have to click Apply or OK at the end.
- Images in the image repository can now be sorted by name or last modified date.
- The train stops in the workbook wizards have been enhanced to handle dynamic wizard page flow.

Fusion Client Taskflow Expand/Collapse State

The taskflow in the RPAS Fusion Client can now be configured to be expanded or collapsed after the first workbook is built or opened in a user session. This is configured in the `rpasConfig.properties` file. Any changes to the state of the taskflow after the user logs in will remain throughout the session. For more information about the `rpasConfig.properties` file, see the "Fusion Client Properties Files" chapter in the *RPAS Administration Guide for the Fusion Client*.

Cell Formatting in the RPAS Fusion Client

In the Fusion Client, the ability to horizontally align cell values through Measure Styles was added. In addition, the default cell alignment is now based on the measures data type as follows:

- Boolean - Center
- Text - Left
- All Others - Right

In addition, text in cells and cell headers can be wrapped. For convenience and better visibility, users can now double-click a cell if they want to enter text in a text edit dialog box. Entering text in the dialog box rather than the cell is convenient for users who need to enter long strings of text.

Single Click to Edit in the Fusion Client

In the Fusion Client, users no longer need to double-click a cell to edit it. With a single click, cells are now editable. Double-clicking a text cell will now invoke a text edit dialog box.

New Copy and Paste to External Option

New copy and paste functionality was added to the RPAS Fusion Client. The Copy to External and Paste from External options allow data to be copied to and pasted from the system clipboard when the browser's security restriction prevents the Fusion Client from copying to and pasting from the clipboard. For more information, see the "Cells" chapter of the *RPAS User Guide for the Fusion Client*.

New Fusion Client Format Menu

For convenience and usability, a new Format menu was added to the Fusion Client. Previously, the formatting options were located in the View menu. Now, there is a dedicated menu for formatting options. For more information, see the "Understanding the User Interface" chapter of the *RPAS User Guide for the Fusion Client*.

Profile and Commit Information on Homepage

On the RPAS Fusion Client homepage, users can now easily access the commit status and domain information. A new Commit Status link is in the upper right corner of the client. Clicking this link allows users to see the commit status without building a workbook.

The profile name is now provided in the About dialog. To view the profile name, along with the Fusion Client and RPAS Server versions, click the About link in the upper right corner. For more information, see the "Locating the Version Number" section in the *RPAS User Guide for the Fusion Client*.

Technical Enhancements

RPAS 13.2.3 includes the following technical enhancements.

Windows 7 and Cygwin

The RPAS Server, Configuration Tools, Fusion Client, and Classic Client are now available on Windows 7.

To use the RPAS Server on Windows, users must install and use Cygwin to emulate UNIX commands. Cygwin is a collection of tools that provide a Linux look and feel environment for Windows. Cygwin has replaced MKS Kornshell, which was required in previous releases. You can find more information about downloading this product at <http://www.cygwin.com>.

For guidance on setting up Cygwin, see the following note on My Oracle Support (<https://support.oracle.com>):

Cygwin Setup Guide for RPAS (Note 1333398.1)

This document details necessary options you should select when installing Cygwin to make it function properly with RPAS.

Oracle Linux 5.5 Support

The RPAS Server, Configuration Tools (server-side), and Fusion Client application server are now supported on Oracle Linux 5, Update 5 (5.5). The previous supported version of Oracle Linux was 5.3, which is no longer supported.

64-bit Compilation for AIX and Solaris

In the 13.2.3 release, AIX 5.3, AIX 6.1, and Solaris 10 are supported with 64-bit compilation. Previously, these operating systems were only supported with 32-bit compilation. Users who previously used AIX or Solaris with 32-bit compilation should recompile all custom extensions in the 64-bit mode. In addition, users should migrate to the 64-bit Java on these platforms.

Internet Explorer 8 Support for the Fusion Client

The RPAS Fusion Client can now run on Microsoft Internet Explorer 8. This is in addition to Internet Explorer 7, Google Chrome, and Mozilla Firefox.

ADF Upgrade

For the RPAS Fusion Client, the RPAS 13.2.3 release supports the use of WebLogic Server 10.3.4 and Oracle Application Development Runtime 11.1.1.4.0. These releases provide several defect fixes that were found in the RPAS Fusion Client.

Performance Enhancements

RPAS 13.2.3 includes the following performance enhancements.

RPAS Fusion Client Performance Enhancements

The following areas have been updated in the Fusion Client to provide better performance:

- Partial Page Update after Calculation: Previously, the entire pivot table was refreshed when a user performed a calculate operation. Now, if the cells being updated as part of a calculation are below a certain threshold, only the affected cells are refreshed instead of the full pivot table.
- Save: The performance of saving workbooks has been improved by changing not internally closing and opening the workbook as part of a save operation.
- Fetch: Updated to allow for screen size fetch of only data needed to complete the screen.
- Dimension Popup Dialog: Improved performance of dialog when a large number of positions (greater than 15,000) are in the workbook.

Noteworthy Defect Fixes

The following noteworthy defect fixes and enhancements are included in RPAS 13.2.3.

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: Previously the Fusion Client did not display the wizard train steps for custom wizards when the steps were unknown. Now, the Fusion Client has been enhanced to show the unknown steps shown as ".....". The dynamic steps are added to the train stops as the user moves forward and removed as user moves to previous step. The known (static) steps are always visible.	7641403
RPAS Fusion Client: The process of switching views was updated to be handled on the client side only to reduce the amount on the screen that has to be updated. Previously, the entire pivot table (both the new and previously selected view) was updated when swapping views.	8581190
RPAS Fusion Client: When in outline view in Internet Explorer 7, the borders for blank header cells were not rendered correctly. This has been resolved with the ADF update.	8715918
Custom window labels were not persisted when the workbook was saved. This was particularly a problem in a multi-language domain since there is no translated custom label; therefore the window name was displayed. This issue has been resolved.	9087318
RPAS Fusion Client: Users received an incorrect error message if the RPAS server was shutdown when users were logged into the domain. The error stated, "ERROR view - java.lang.IllegalStateException: Response already committed." This has been resolved.	9270945
RPAS Fusion Client: The selected positions in the wizard were not highlighted after moving from the available to selected area. This has been resolved.	9283026
RPAS Fusion Client: After a calculation is performed, the Fusion Client now selectively updates the cells that have changed instead of refreshing the entire pivot table.	9504938
RPAS Fusion Client: The Save process in the Fusion Client was updated to address performance issues.	9504967
RPAS Classic Client: Errors occurred when changing from block mode to outline mode when the rollup dimension was hidden. The rollup dimension was still displayed and incorrect rollups were also displayed. The issue was replicated by either changing the mode of the axis or by creating a new window. The error only occurred when the rollup dimension is hidden. This has been resolved.	9556874, 10278000
RPAS Classic Client: When exporting cells having multiple lines, the integrity of the contents of the cell were not honored in the exported file. The single cell within RPAS were exported as multiple records. This has been resolved.	9653288

Fixed Issue/Defect	Defect Number
<p>The copyDomain utility was not correctly handling measures that used a special value. The measure arrays were not copied from the source to the destination, but rather they were recreated. During the recreation of each measure, the respective measure properties were read and the special value property was not taken into account as the supporting information was not yet created in the copied domain. The copyDomain utility has now been fixed to use the source domain measure at the time of retrieving the measure properties. This enables the special value attribute to be included as part of the measure properties while regenerating the measure in the copied domain.</p>	9698405
<p>Hierarchy load failed to remove domain completely when hierarchy reached purge age. This was related to the fact that the removal of the hierarchy resulted in the removal of a subdomain. The hierarchy load failed if the subdomain used a softlink. Now, softlink directory removal is supported. The following softlink conditions are addressed:</p> <ul style="list-style-type: none"> ■ Removing actual directory in addition to the softlink ■ Removing a softlink pointing to a relative path ■ Multi-level soft links 	9706478
<p>RPAS logging was updated to remove certain messages from being written too often and thus making the log file difficult to decipher.</p>	9711962
<p>RPAS Fusion Client: Within the search box accessed from the Dynamic Position Maintenance dialog, the positions displayed were only half visible. This issue has been resolved.</p>	9851725
<p>RPAS Fusion Client: When a new file was added to the image repository, users were unable to see it until they logged out and back into the system. Now, the list of files is updated when the user selects the browse button.</p>	9869926
<p>Resolved issue with exportData utility. When using an NA array that was at a different level than the exported measures, the utility was generating an exception.</p>	9971417
<p>Users were unable to refresh an alert measure in workbooks that were built through the Alert Manager process. RPAS was not adding any refresh rules into the workbook for the alert measure. After the alert refresh issue was resolved, the Find Next and Find Previous Alert functionality was not working after the alert was refreshed.</p>	10087598
<p>RPAS Fusion Client: Users received an error message in the search box of the Dynamic Position Maintenance dialog when they continually select a different search operator. This issue has been resolved.</p>	10111488
<p>RPAS Fusion Client: Choosing a value from the search box of a Single Hierarchy Select measure triggered an error. This issue has been resolved.</p>	10199237
<p>The staging database was not deleted when a measure's loadstokeep value changed to 0. This issue has been resolved.</p>	10199452
<p>RPAS Fusion Client: The details of the Percent of Parent % attribute were not displayed correctly in the Measure Show/Hide dialog. This issue has been resolved.</p>	10210720

Fixed Issue/Defect	Defect Number
Auto Workbook build entries that build Alert Manager workbooks were not including in any newly alerted positions belonging to the ranged hierarchy. Now when an auto workbook build entry had been ranged by a hierarchy, and different positions were alerted on that hierarchy over time, RPAS includes all the alerted positions belonging to the ranged hierarchy, even if these positions were not alerted at the time the queue entry was setup. The user can now see the currently alerted positions from the ranged hierarchy, without having to ever setup the auto workbook build queue entry again.	10214593
The position name of a newly created DPM position was displayed instead of the label. This occurred only when the position label translation was enabled for the dimension but the configuration did not have the multilingual setting checked. Now, position label translation can be used even if the multilingual setting of the domain is not set.	10239602
RPAS Fusion Client: Updated the Fusion Client to include a Format menu from the Toolbar instead of being under the View menu.	10241308
RPAS Fusion Client: Updated the Fusion Client to use the new Fusion skin.	10241319
RPAS Fusion Client: In the Open/Save Workbook dialog, users received an error message when trying to rename a workbook that they had read-only access to. Now, the rename option is disabled when the user has selected a workbook they have read-only access to.	10241329
<p>RPAS Fusion Client: The following updates were made within the Fusion Client:</p> <ul style="list-style-type: none"> ■ Any changes in the Level selection of the dimension pop-up are reflected in the "Show Attributes and Sort" and "Show and Hide" tab without the need to click Apply when navigating. ■ Any changes in the Display/Sort attribute selection are immediately applied to the "Show and Hide" tab without having to click apply. ■ Within the wizard, changes in Level selection are reflected correctly in the "Show Attributes and Sort" tab. ■ Order of tabs of the dimension pop-up have been changed to "Levels," "Show Attributes and Sort," and "Show and Hide" from left to right." 	10241341
Errors occurred during AIP batch due to the setting of daylight savings. The cause was that RPAS uses the GMT to determine whether the local time should be adjusted by daylight savings. RPAS has been updated to convert the local time before determining whether daylight savings should be adjusted.	10242308
For a multi-lingual global domain, the ODBC server did not return a translated label when the dimension queried was below the partition dimension.	10270923
RPAS Fusion Client: On the HP-UX operating system, the Fusion Client version was not displayed in the About dialog when accessed from the homepage.	10282039

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: Updated the right-click menu option for split dimensions to not show the lock option. Locking is not permitted on dimension splitting-generated hierarchies. When the option was available and selected, it caused the client to generate an error.	10282489
The insert measure functionality related to the insertion of dependent measures was updated. Now, if a measure is inserted that has dependent measures (meaning upper and lower bound measures) and the dependent measures have denied access, the dependent measures are added to the workbook but are not visible to the user and therefore the user cannot make them visible.	10297211
RPAS Classic Client: When inserting measures into a workbook that has dependent measures with denied access, the dependent measures are no longer visible to the users. These dependent measures are inserted into the workbook but not visible to be added to a worksheet.	10297235
RPAS has been updated to let forced non-Higher Based Intersection (fnHBI) use the workbook subdomains instead of all subdomains when being built from the master domain. This resolves issue of master domain workbooks incorrectly locking domains when they are not needed.	10313105
RPAS Classic Client: Position labels in wizards were not sorted in any order. Now the default order of the sort is based on label.	10314325
RPAS Fusion Client: The taskflow files generated by the RPAS Configuration Tools that generate special characters for foreign languages (for instance, ù) were not displayed properly in the Fusion Client. This issue has been resolved.	10324327
RPAS Fusion Client: The find functionality did not work correctly when the user changed the level at which the search was performed. The search only proceeded through the current level and not the new level selected. This issue has been resolved.	10363215
RPAS Fusion Client: The detach button has been removed from the Open, Save As, and Insert Measure dialogs since they served no purpose.	10373356
The RPAS Test Driver utility incorrectly reported the error messages that occurred during a workbook build. The RTD utility now returns the error message from the workbook build and sets the success to false if the error message is not blank.	10373791
The DomainDaemon -stopActiveServers hung intermittently. This issue has been resolved.	10386653
RPAS Fusion Client: When the measure dimension was the only dimension on the page axis and a user inserted a measure, the inserted measure was added to the end of the list of measures instead of correctly placed after the currently displayed measure. This issue has been resolved.	10386662
When building workbooks through Alert Manager in the master domain, the local domains were accessed unnecessarily when the workbook was closed. This issue has been resolved.	10386982
RPAS Fusion Client: The Apply To select box in the Level Split dialog was empty when the dialog was accessed from the toolbar icon. This issue has been resolved.	10390467

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The page setup Header/Footer dialogs were initialized with the previous selections instead of the initial default values. This issue has been resolved.	10391159
RPAS Fusion Client: Users were able to delete a user-created dynamic attribute while it was used as part of a level split. This issue has been resolved.	10391268, 10395471
Previously, when processing a measure with a Java special expression, every cell was populated, including cells that were equal to the NA value. Now, APIs are provided so that Java special expressions can be written to allow the NA value of a measure to be maintained	10392578
RPAS Fusion Client: Added the functions Copy to External and Paste from External to the Fusion Client. This allows browsers that do not support writing to the user clipboard to support copying and pasting outside of the Fusion Client.	10394836
RPAS Fusion Client: On the New Attribute dialog, the Name field was cleared when the dimension selection was changed. This issue has been resolved.	10394875
RPAS Fusion Client: Users were unable to create user-defined attributes at the ALL level of any hierarchy. The ALL level is now available to be selected.	10395176
<p>The copyDomain utility failed when subdomains were located outside of the master domain and there were files, directories or symbolic links within the master domain which had the same base name as the local domain. The resolution to this issue is as follows:</p> <ul style="list-style-type: none"> ■ For the local domains that live outside of the master domain, ignore copying any files/directories/symbolic links that are named the same as those local domains with the source master domain. ■ Skip all the symbolic links to directories while copying the domain. The behavior was to copy the actual directory that the symbolic link points to, which could potentially cause issues. 	10400269
RPAS Fusion Client: The active alert is not highlighted with the blue radio button under the View -> Select Alert menu. This issue has been resolved.	10402580
RPAS Fusion Client: When users were in a workbook and selected to build another workbook without saving the open workbook, users were returned to the homepage if they cancelled the new workbook wizard. Now, users are prompted with a message stating that they are being returned to the homepage.	10406696
RPAS Fusion Client: Numerous performance improvements were made for workbooks that contained a large number of SKUs. The areas that were improved are related to scrolling, data entry, and the dimension dialog.	10416754
RPAS Classic Client: When a user had a dynamic picklist and then used dimension splitting, a MarshallableException was generated when accessing the picklist. This issue has been resolved.	10422950
The commit menu option was disabled whenever all measures in the commit rule group were read-only in the workbook. Now, the access to the commit option is driven by the access to the template and not the measure access rights.	10432290

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: Updated the handling of long strings in Single Hierarchy Select measures. When selecting the drop down, the entire string is displayed regardless of the width of the column.	10435882
RPAS Fusion Client: The browse button on the Image Display dialog was enabled even after the URL option was selected. This issue has been resolved.	10624223
RPAS Fusion Client: The Next/Previous icons were disabled when choosing to create a workbook for a task adjacent to a dynamic task. This issue has been resolved.	10626037
RPAS Fusion Client: When moving back and forth from the last wizard page of the Alert Manager template, the associated workbook template wizard caused the incorrect wizard to be displayed in that associated workbook. Now, Instead of returning to the first wizard page of the associated workbook wizard, the wizard page displayed will incrementally increased.	10629606
Workbooks with hierarchy modifications were not displaying translated labels. Instead, they displayed the loaded label. This issue has been resolved.	10630105
RPAS Classic Client: Users received an unexpected error message when performing the Fill operation. When using the Fill command to fill a worksheet that has an AMBIG checkbox and if one of the cells evaluated to AMBIG, the Fill operation had a null pointer exception. This issue has been resolved.	10633743
RPAS Fusion Client: Navigating using the previous step button from the current workbook to a previously open workbook opened the previous workbook in the first step, instead of the last step. The taskflow area displayed the last step selected. This issue has been resolved.	10636093
RPAS Fusion Client: Within the Dimension dialog, only the levels from the split hierarchy were displayed. This issue has been resolved.	10649743
After loading a user database with the <code>-replace</code> option, previously existing users received an error during workbook creation stating, "You do not have access to any position due to position security set on dimension XXXX." When using the <code>usermgr</code> utility with <code>-importDb</code> and <code>-replace</code> options, RPAS incorrectly removed all the user groups and added only the other groups. Therefore, the user groups array were missing the default group. This issue has been resolved.	11056182
RPAS Fusion Client: The Print/Export dialog was not dismissed after the operation was complete. This issue has been resolved.	11065239, 11690625
Measure labels overridden by the Translation Administration were not picked up while building a workbook in multi-lingual domains. The labels displayed after building a new workbook were generated from the measure meta data arrays. After saving and then opening the same workbook, the labels were correctly generated from the language database. This issue has been resolved.	11072024
RPAS Fusion Client: An exception occurred when creating a split on a view with an exception format defined. This issue has been resolved.	11072741

Fixed Issue/Defect	Defect Number
The following error occurred when attempting to merge configurations using the RPAS Configuration Manager: "java.lang.IllegalArgumentException all elements must be non-null." This was caused by a problem that prevented custom attributes for workbooks and worksheets from being processed. This issue has been resolved.	11076367
RPAS Fusion Client: Fusion Client generated an Error 500 message when performing a Copy Special/Paste Special or Cut Special/Paste Special at the ALL level of the hierarchy. This issue has been resolved.	11657503
Users experienced an exception during the merge operation of rpaConfigMgr that prevented the utility from creating an output configuration. This issue has been resolved.	11659314
RPAS Fusion Client: Users received an Null Pointer Exception in the wizard when the lowest level of the wizard was hidden on the available tree of the wizard. This issue has been resolved.	11673582, 11691547
RPAS Fusion Client: Within the Show and Hide dialog, the search operation did not work correctly. The result of the find operation was not highlighted if multiple levels were displayed. This issue has been resolved.	11673665
RPAS Fusion Client: Repeated selection of the Show/Hide tab of the Dimension Dialog while it is currently selected produces an exception message.	11673720, 11695595
The patch install process failed with the updateStyles option when a measure was changed from having an assigned style to having no style. This issue has been resolved.	11674734
RPAS Fusion Client: The ability to horizontally align cell values through Measure Styles was added. In addition, the default cell alignment is now based on the measures data type as follows: <ul style="list-style-type: none"> ■ Boolean - Center ■ Text - Left ■ All Others - Right 	11685160
RPAS Fusion Client: The selected tree in a two-tree wizard did not display any positions when the available and selected trees displayed different levels. This issue has been resolved.	11685464, 12339250
There were workbook build performance issues when upgrading a workbook that had a large number of measures (greater than 2000). During the build, a great deal of time was spent on the measure copy operation. Now, RPAS has been updated to open and close the source database only once instead of opening and closing it for each measure copy operation.	11686465
RPAS Fusion Client: When opening a workbook for which all measures were hidden, the Fusion Client generated an IndexOutOfRangeException. Now, the default profile is used instead.	11690952
RPAS Fusion Client: In workbooks that contained a large number of positions, clicking the dimension tile to open the Dimension Dialog was very slow. This issue has been resolved.	11695070

Fixed Issue/Defect	Defect Number
<p>RPAS Classic Client: Read-only measures were shown as editable in workbooks for non-administrative users. RPAS did not correctly handle measure rights in workbooks in which the measures were configured. In this case, the access rights should be driven by either the template security access or by the configured rights. They should not have been updated by the measure security access rights. In addition, issues that occurred when inserting measures in a workbook were resolved. When a denied measure was inserted because it was a dependent measure of the inserted measure, the measure was inserted as read-only and not as writable. This issue has been resolved.</p>	11695143
<p>The reshape arrays process had contention issues on master domain meta data when run in parallel. This issue has been resolved.</p>	11705781
<p>RPAS Classic Client: The RPAS Classic Client unexpectedly shut down with an unexpected exception error message when users attempted to open a saved position query definition that was already deleted by another user. Now, the application does not shut down. Instead, a warning message is displayed to users that the PWD does not exist.</p>	11705947
<p>When there was a saved workbook format and the configuration changed to add or remove hierarchies from a worksheet, after the domain was patched, workbooks crashed upon build due to a mismatch in the hierarchy list between the configuration and saved formats. This issue has been resolved.</p>	11711633
<p>Upon moving to version 13.2.1 of the Configuration Tools, the security dimension of a configuration was marked as invalid even though it was valid in previous versions. The validator was incorrectly marking a dimension as invalid if the dimension name contained a numeral. This issue has been resolved.</p>	11716072
<p>RPAS Classic Client: When a user attempted to copy at the ALLDim level for a recalc display-only measure, the connection to the client was dropped suddenly. This issue has been resolved.</p>	11730963, 11731058
<p>RPAS Fusion Client: The steps of a dynamic task did not correctly disappear when navigating to another task. This issue has been resolved.</p>	11734319
<p>When users' workbook permissions changed, they still had access to previously saved workbooks for templates they no longer had permissions for. RPAS has been updated to check the user's permissions to the workbooks in the list. If the user has been denied for a particular workbook template, that workbook is removed from the list.</p>	11735326
<p>When exporting data with the exportData utility, the data was always right justified even when the format string specified for it to be left justified. This issue has been resolved.</p>	11743484
<p>Filtering in the measure tool of the RPAS Configuration Tools has been updated to be case insensitive.</p>	11770160
<p>RPAS Fusion Client: When switching hierarchies, the simple sort on the new level was not re-applied and the positions were in the previous order. This issue has been resolved.</p>	11771674
<p>RPAS Fusion Client: The workbook was not saved to the selected user group. Instead, the saved workbook was always saved to the default user group, regardless of the selection by the user. This issue has been resolved.</p>	11775223

Fixed Issue/Defect	Defect Number
Both the usermgr utility and the Create User Group functionality from the client allowed groups to be created with illegal names. This issue has been resolved.	11776422
Users were unable to edit the load range hierarchy and dimension fields of the edited measure load range dialog within the Configuration Tools workbook tool. This issue has been resolved.	11777420
RPAS Fusion Client: In the View/Manage Image dialog, the carousel was not updated to the first position when changing the level displayed. This issue has been resolved.	11777526
Previously, there were performance issues related to performing the Copy/Paste Special functionality. These issues has been resolved.	11779668
RPAS Fusion Client: When a user had no saved workbooks for a given task or step but there were workbooks saved at the world or group level, the user had to click the View All option. Now by default, the user is presented with those workbooks without requiring the additional click to view all.	11779939
RPAS Fusion Client: When initiating an edit with the Fusion Client, sometimes the text in the edited cell was selected and sometime it was not. This issue has been resolved.	11780342
The User Manager utility did not check to see if a user was still currently logged into the system prior to deleting that user. This resulted in the saved workbooks being deleted, but the User Manager utility failing to delete the user.	11795443
RPAS Fusion Client: The incorrect message was displayed when a user tried to delete the currently open workbook. The error message stated, "Unable to delete workbook" instead of stating that the user cannot delete the currently open workbook. This issue has been resolved.	11796000
RPAS Fusion Client: The workbook did not save to the selected user group. Instead, the saved workbook was always saved to the default user group regardless of the selection by the user. This issue has been resolved.	11799642
RPAS Fusion Client: The Fusion Client installation process was unable to support copying over SCP/SSH using a passphrase or using a keyfile that was not of DSA located at \${user.home}/.ssh/id_dsa (default value). This has been resolved by adding the missing attributes. Now user-entered passphrase and keyfile locations are used.	11804239
When working with custom menu items, users occasionally noticed upon loading a configuration that the order of the menu items had changed. Setting the result or condition measure properties of a custom menu item resulted in that menu item being re-ordered in the data model to be the last element in the list of menu items. This issue has been resolved.	11814262
The wizard labels for standard and custom wizards were not part of the English message strings and could not be translated. This information has been added to the msgs.dat and r_msgs.ovr files generated by the configuration. The wizard labels for both standard and custom wizards should now be loaded using the name of the wizard as a key.	11823136

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When multiple views were open and one was maximized, clicking the other non-maximized window did not restore the maximized window on the client, causing it to be in a inconsistent state. Clicking the restore button on this window did not work. This issue has been resolved.	11828211
RPAS Fusion Client: Fusion Client did not allow the use of URLs that started with https when assigning images. This issue has been resolved.	11831760
RPAS Fusion Client: The Image Dialog did not display when trying to access it from a right-click operation. This issue has been resolved.	11831803
<p>RPAS Fusion Client: Resolved several issues related to custom wizards. The following issues were resolved:</p> <ul style="list-style-type: none"> ■ Wizard controls were displayed on top of the train-stop area. ■ Some wizard text were displayed in the incorrect color and incorrectly indented. ■ Wizard radio buttons were not disabled when they should have been. 	11831850, 11896978
RPAS Fusion Client: Attribute creation caused an exception when the worksheet contains more than three dimensions. This issue has been resolved.	11835872, 11836000, 11836014
RPAS Fusion Client: When attempting to export a worksheet that was over the limit of 200,000 cells, the error dialog either did not displayed or dismissed too quickly without the user clicking OK. This issue has been resolved.	11836285, 11850082, 11850086
RPAS Fusion Client: When running an operation and being prompted to calculate, revert, or cancel, a blank pivot table and error appeared when the user selected to revert. For example, if a user opened a workbook, edited a cell, and then tried to export the worksheet, a dialog was presented to either calculate, revert or cancel. When revert was selected, the pivot table was displayed with no data and an error stating, "No data to display." This issue has been resolved.	11846734
RPAS Fusion Client: The behavior of restoring views from the docking area was updated so that if a user maximizes one window and clicks another view in the dock area, the second view also appears maximized. Restoring any view causes the other windows to be restored when they are selected from the docking area.	11882802
The performance of the calculation of Percent of Parent measures on display was improved.	11893646
RPAS Fusion Client: Previously, users were able to delete the currently open workbook after performing a Save As operation. For example, if a user opened a workbook and performed a Save As operation, and then they returned to the Open Workbook dialog, they were able to delete the current workbook. This issue has been resolved.	11897069
An invalid dimension error occurred when building the Security workbook in a multi-lingual domain for languages other than English. This issue has been resolved.	11924449
The RPAS Server unexpectedly quit when performing a Server copy of a display-only measure when an ALL dimension was part of the selection. This issue has been resolved.	11930671

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The Fusion Client installation process exited with a message stating, "BUILD SUCCESSFUL" even if there were errors during the installation process. This issue has been resolved.	11934275
RPAS Classic Client: The Classic Client generated an unexpected exception when closing the workbook. This occurred sporadically. This issue has been resolved.	11938197
When a DPM position was created, the new position defaulted to the measure's NA value when the user clicked OK from the dialog but the measure array's NA value when clicking APPLY. This has been updated to consistently use the measure NA value. Also, after the user adds DPM positions and closes the dialog without saving it and then builds the same workbook again, the measure values for the newly added DPM positions do not reflect the measure's array values just as it would for any other measure.	11938384
RPAS Fusion Client: Within the wizard, the selected tree did not display any positions when the available and selected trees displayed different levels. This occurred when the sync hierarchies option was disabled and the available tree had displayed aggregate levels of the hierarchy. This issue has been resolved.	12317045
RPAS Fusion Client: When a user attempted to build a workbook through the Alert Manager process and there were no alerts in the domain, the Alert Manager wizard window was still displayed after getting the "There are not alerts in the domain" message instead of being closed automatically. This issue has been resolved.	12322692
RPAS Fusion Client: Users were unable to create a new Alert Manager workbook from the View menu when a workbook was currently open. This issue has been resolved.	12325513
RPAS Fusion Client: The installation of the Fusion Client failed to deploy the product EAR if all managed server hosts were remote from the admin server host. This issue has been resolved.	12326879
RPAS Classic Client: The tab name was not populated after building a Hierarchy Maintenance workbook on the client. This issue has been resolved.	12331407
RPAS Fusion Client: The workbook name field was not in focus when in the Save As dialog. When the user opened the dialog and starting typing, the name was not updated. This issue has been resolved.	12331654
The RPAS DomainDaemon was unable to determine when a RpasDbServer process had exited when the RPAS_TODAY_STATIC variable was set to TRUE. This resulted in the RpasDbServer process becoming defunct and the end user being unable to run the client to start another session. This occurs after the number of these defunct RpasDbServers is larger than the configured number of concurrent sessions for the user. This issue has been resolved.	12339878
RPAS Fusion Client: Users were able to delete the open workbook from the save dialog. Now, this is prevented.	12340041
RPAS Fusion Client: When attempting to export a worksheet that has over the limit of 200,000 cells, the error dialog was either not displayed or dismissed too quickly without the user clicking OK. This issue has been resolved.	12340785

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When performing many actions within the dimension popup, users occasionally received an error message. This issue has been resolved.	12340898, 12355144
RPAS Fusion Client: Users were unable to print or export a worksheet that contained a percent of parent measure. This issue has been resolved.	12341096
RPAS Fusion Client: Clicking on the previous icon on the toolbar was taking the user to the first step of the given task instead of the previous step.	12341499
RPAS Fusion Client: Resolved performance issue found in Assortment Planning. The loading of the workbook and scrolling were extremely slow when there was a large number of picklist measures. The reason for the slow performance was that each cell was being refreshed with picklist entries in a separate RPAS call. The resolution was to go to RPAS only when the picklist is needed, for instance, when the cell was being edited.	12341757
RPAS Fusion Client: When using a measure with a range property defined, the Fusion Client ignored the restriction.	12341788
When running the loadmeasure utility without the <code>-noClean</code> option, input files should have been moved from the input directory of the domain into the input/processed directory. When there was more than one file to load for a specific measure, loadmeasure would overwrite the previously moved files with the last file in the sequence. Only the last processed input file in the sequence would be present in the processed directory and the other files would be lost. This issue has been resolved.	12345280
RPAS Fusion Client: Changes made on the levels tab of any Dimension dialog were not reflected on other tabs of the dialog. Also, the user was unable to move any selected positions to the hidden pane. This issue has been resolved.	12346603, 10628162
RPAS Fusion Client: On AIX operating systems, users received a nullpointerexception when hiding a position in the dimension popup. This issue has been resolved.	12347247
If a log file was not created when starting the RPAS DomainDaemon, a simple error message was shown that did not provide sufficient information to resolve the error. More information has been provided to the message so that it indicates the file name that cannot be created.	12347526
RPAS Fusion Client: Users received a NullPointerException when navigating between two steps when there was a pending edit on the first step. This issue has been resolved.	12347653
RPAS Fusion Client: When in an administrative workbook was open, the workbook was rebuilt when attempting to move from an administration workbook to a non-administration workbook. This issue has been resolved.	12352822
RPAS Fusion Client: When navigating back to a Dimension dialog, the previous selection was remembered in the dialog, and therefore the dialog was scrolled to that position instead of opening on the first row with the previous selection cleared. This issue has been resolved.	12357249

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: On the Show/Hide tab of a Dimension dialog, the Find operation did not correctly display the results when the parent level was collapsed. The Find correctly stated that the row was selected but the Find result was not correctly displayed. This issue has been resolved.	12357269
RPAS Fusion Client: Using the Fill operation on an absolute Percent of Parent measure caused a Null Pointer Exception. This issue has been resolved.	12357431
RPAS Fusion Client: An ArrayIndexOutOfBoundsException was generated when users performed a copy or paste after a measure was hidden from the view. This issue has been resolved.	12361199
RPAS Fusion Client: On the Show Attributes and Sort tab of the Dimension dialog from the workbook wizard, the label attribute was not correctly displayed in the Visible Attribute list. Now, the Fusion Client defaults to the label attribute within the wizards.	12361887, 10213198, 10390979
RPAS Fusion Client: When attempting to switch between workbooks belonging to different activities, an error occurred. The Fusion Client did not correctly close the open workbook before trying to initiate the wizard for the new template. This issue has been resolved.	12362327
In some instances, the selection in the user directory that stores previous selections for the edit user template did not have the DefaultGroupList set. When users clicked Finish in the first dialog, the server sent the blank selection to the client. The client used that information to complete the wizard, which caused users to have a blank default group. This then caused the security admin template to fail during build. This issue has been resolved.	12367515, 12662303
RPAS incorrectly applied position level security to the security admin workbook. For example, if an administrator had the position security set to false for a particular position, that position was no longer included in the newly built security admin workbooks. Now, position level security is not applied for the security admin workbook.	12367520
RPAS Fusion Client: The right-click context menu was updated to directly go to the Levels, Show and Hide, and Show Attributes and Sort tabs of the Dimension dialog.	12372181
After using the informalPositionMgr utility to convert formal positions to informal positions, the newly informal positions did not appear in blue font in the client as other informal positions created through the client do. This issue has been resolved.	12377638
A calculation performance issue occurred when performing an if statement when one of measures was at a much higher level than the measure used as the condition measure. This issue has been resolved.	12380618
RPAS Fusion Client: Double-clicking a taskflow launch icon displayed a populated Open Workbook dialog and then a blank Open Workbook dialog. If the user closed the blank dialog and then opened a workbook from the populated dialog, they received an Unsupported Operation Exception. This issue has been resolved.	12387935
RPAS Fusion Client: When editing a cell immediately after copying a view, a ClassCastException error occurred. This issue has been resolved.	12388269

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The measure selection panel was not aligned correctly in the Measure Analysis Wizard. This issue has been resolved.	12391076
The renamePositions utility produced error messages when processing subdomains if it was run on positions of a non-partitioned hierarchy. For non-partition hierarchies, it was unnecessary to process the subdomains because the master domains contained the position information. This issue has been resolved.	12412228
When a local domain exhausted all buffer positions, it began using prefixed external names as the internal names to keep the array size smaller. While doing that, RPAS did not check whether the proposed internal name existed somewhere else in the global domain. If that internal name existed in another local domain as a buffer position and was used to map to another external name, the first subdomain's hierarchy became corrupted. This issue has been resolved.	12413148
RPAS Fusion Client: The text at the bottom of the two-tree wizard was too long for some translated languages. This issue has been resolved.	12418918
RPAS Fusion Client: When in the Show and Hide dialog of the Dimension dialog, the Find functionality did not display the position that was found when the levels were collapsed. The Find indicated that the position was selected but the levels were not expanded to display the found position. This issue has been resolved.	12424227
RPAS Fusion Client: Clicking any header of the Alert Manager dialog resulted in a java null pointer exception. This issue has been resolved.	12431558
RPAS Fusion Client: The Fusion Client generated an "operation failed" error when displaying the select template screen while building an alert workbook. This issue has been resolved.	12432330, 12530764
RPAS Fusion Client: In Internet Explorer 7, the Add attribute dialog did not render correctly and was therefore visually unappealing.	12432579
RPAS Fusion Client: Some style definitions were not emitted to the exported Excel file for some combinations of measure styles/cells and exception formats with a dimension style in the inner row of the view. This occurred when an inner row's dimension style had shading (with multiple levels visible) and a cell had a measure style or exception format that did not have a background color set. This yielded a combination of the cell's style with the shaded inner row background color. The exported file style definitions to support this were not emitted and Excel generated an error when attempting to open the file. This issue has been resolved.	12530577
Users received an illegalParse error message on some workbooks after upgrading RPAS. A bug fix made in 13.2.1.21 (bug 11686465) did not correctly handle non-persistent measures during workbook build. This issue has been resolved.	12535532
RPAS Fusion Client: If there were dimension styles defined for a measure dimension that was merged with the header measure style for a specific measure, the export to Excel generated a reference to the merged style but not the matching style definition. When opening the file in Excel, users received a table load error and the file would not open. This issue has been resolved.	12536264

Fixed Issue/Defect	Defect Number
When building a workbook, users received an error stating, "WorkbookFinishException: The measure [measure name] has too many picklist options." There was a hardcoded length check on the rangeLength for picklist measures that was used in older versions of RPAS that was no longer needed. This check was removed.	12543511
RPAS Fusion Client: When using the wizard train to navigate between workbook wizard pages, the Fusion Client generated an exception when it encountered a page that was dependent on a selection from a previous page. However, when the wizard was closed or canceled and run it again, the exception was not generated as it should have been. This issue has been resolved.	12543593
RPAS Fusion Client: Users were unable to log into the Fusion Client when using SSL. After entering in the URL with "https," the user was redirected back to "http." This issue has been resolved.	12552258
The pqdMgr utility did not correctly add PQDs for users that had upper and lower case names. When the surnames were in upper and lower case, the PQD Manager utility only created the PQD file in username lower case. For UNIX platforms, where directories and files are case sensitive, the system did not read the PQD file correctly and therefore it appeared that the PQDs were not created for those users.	12553577
RPAS Fusion Client: The commit status was not refreshed when a new workbook was created and the previous workbook committed. This issue has been resolved.	12558152
RPAS Fusion Client: From the Show and Hide tab of the Measure Dimension dialog, users received a "Java script assertion failed" error after hiding all measures and then moving a single measure to the Visible window and clicking OK. This issue has been resolved.	12561819
RPAS Fusion Client: Update print and e-mail buttons were displayed on the Help global toolbar. One set was enabled while the other was disabled. This issue has been resolved.	12563236
RPAS performs calculations with a threshold limit on smaller values since there are performance issues if the value goes beyond this threshold limit. The value set within RPAS is set to 0.000000001. RPAS used the condition that if the cell value was less than or equal to the threshold, the cell value would round to zero. The condition has been updated to round the value to zero if the value is less than the threshold.	12563958
When users entered the wrong syntax for loglevel to the alertmgr utility while unregistering an alert, a core dump occurred. This issue has been resolved.	12566630
RPAS Fusion Client: Previously, the image files were not ordered when browsing the image repository. Now, the files are sorted by name.	12567608
RPAS Fusion Client: When users clicked Cancel on the wizard page when navigating to the wizard from an open workbook, they were returned to the home page instead of the previous workbook. This issue has been resolved.	12567892
RPAS Fusion Client: The warning dialog presented to users when a worksheet PQD evaluated to have no visible positions was automatically dismissed. This issue has been resolved.	12580299

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When users clicked the label attribute when the % attribute of a percent of parent measure was displayed while performing a sort, an "invalid slice" error occurred. This issue has been resolved.	12582220
RPAS Fusion Client: Previously, attributes did not have persisted layer sizing; instead they took the size of the associated position level. Attributes now have persistence in the Fusion Client.	12582470
RPAS Fusion Client: The expand/collapse buttons on the Dimension dialog retained the state from the previous launch of the dialog instead of being reset to deselected on each load of the dialog. This issue has been resolved.	12582645
RPAS Fusion Client: On the right-click menu for measures, multiple attribute entries were merged into an Attributes group with the previous options as sub-menus under the group. This issue has been resolved.	12586944
RPAS Fusion Client: When an attribute was displayed for the series dimension of a chart, the attribute value was displayed for the series instead of the position labels. This issue has been resolved.	12587038
When a domain was upgraded that included an existing entry in the auto workbook build queue, the queue became inaccessible. This issue has been resolved.	12587085
RPAS Fusion Client: Previously, the labels for the wizard train were not translated. Now, the label and wizard key are passed to language manager to get the corresponding label translation.	12592164
RPAS Classic Client: Date control boxes in wizards were not available. This issue has been resolved.	12592368
RPAS Fusion Client: Fusion Client generated an error in wizards that contained a date entry. The RPAS Server expected the date in the Mmddy format, but the date was entered as MM/dd/yyyy. The Fusion Client now converts to the correct format needed by the server.	12595456
When the position information provided for the reconfigGlobalDomainPartitions utility contained the dimension prefix, the utility did not move the position as specified through the reconfigpartdim.xml or through command line parameters. It stated that the positions did not exist when they did. The utility has been updated to handle positions with external names that contain the prefixed dimension name.	12596204
RPAS Fusion Client: When users have access to only admin workbooks, the taskflow was collapsed on initial login by default instead of being expanded to show the tasks. This issue has been resolved.	12600223
The loadHier utility incorrectly allowed the load of positions with spaces in the name. This caused the domain to be corrupted. This issue has been resolved.	12600837
RPAS Fusion Client: When navigating from a non-admin step to an admin step, the previous step was still highlighted on the taskflow instead of the admin workbook. This issue has been resolved.	12607027

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The copyDomain utility did not correctly handle the <code>-copyWorkbooks none</code> option. The workbooks were deleted but the metadata in the copied domain was not updated to reflect that the workbooks were deleted. This issue has been resolved.	12608061
When reclassing a position by using the forceInputRollups, for some situations the position that was forced to be reclassified was not moved and caused problem in DimDictCoper or RefreshHier. This issue has been resolved.	12612888
RPAS Fusion Client: Previously, when the profile list for the Fusion Client was empty, the login page would load endlessly. Now, if a profile list is empty, the login screen shows a message stating that there are no profiles configured. In addition, the login button is disabled.	12621844
RPAS Fusion Client: A combination of hiding levels and changing the block/outline mode in the Dimension dialog caused a LayerIndexOutOfBounds message when users clicked OK to close the dialog. The issue only occurred when the dimension was in block mode with multiple levels displayed. This issue has been resolved.	12622470
RPAS Fusion Client: Users received a <code>java.lang.ClassCastException</code> message when attempting to print when there was a pending edit. After clicking the File -> Print option, users were prompted to calculate and then received the message after clicking the Calculate button. This issue has been resolved.	12633475
RPAS Fusion Client: When users performed a Find operation on one view and then navigated to another view on the same step and clicked Find Next, the find operation was performed on the original view.	12633588
<p>When building a workbook in a multilingual RPAS domain, the following exception was returned from the server:</p> <p>"IllegalDimensionIndex: Construction of dimension space failed, dimensionality provided was 9 but the maximum dimensionality allowed is 8."</p> <p>This occurred because the intersection of the workbook exceeded the maximum number of dimensions allowed because of the language dimension. This issue has been resolved.</p>	12637159
RPAS Fusion Client: Users received a generic error message instead of a detailed message. The specific case was when a refresh rule resulted in a the following server message "CalcEngineException: The refresh rule group MMSREFRESH (MMSA = MMSB + MMSC) is not consistent with the current rule group." Instead of this message, the user received a generic message saying operation failed. This issue has been resolved.	12637719
RPAS Fusion Client: The positions loaded in the selected positions window of a wizard based by loading a favorite were not correctly checked in the deselected positions window. This issue has been resolved.	12637734
RPAS Classic Client: The horizontal scroll bar reset to the far left when paging through positions with the arrow keys in the page axis. This issue has been resolved.	12647223

Fixed Issue/Defect	Defect Number
RPAS Classic Client: When hiding or unhiding positions in the non-measure Show/Hide dialog, the Classic Client entered an endless loop if the last node or most nodes were selected. This issue has been resolved.	12647251
RPAS Fusion Client: The copy and paste operation failed after copying an empty cell using Firefox. This issue has been resolved.	12651751
When renaming a partition position and then moving it from one subdomain to another, it caused a failure. The end state resulted in workbook build failures due to corruption in domain hierarchy. This issue has been resolved.	12654192
RPAS Fusion Client: The image carousel was not updated with the currently selected position when the Show Children checkbox was selected and a new position was selected. This issue has been resolved.	12655111
RPAS Fusion Client: In split view, an error message occurred when editing a chart element if the selection in the pivot table was changed after the chart was generated. This issue has been resolved.	12656533
The RPAS ODBC oasoa processes hung even after the process had been given an exit signal. This issue has been resolved.	12656772
RPAS Fusion Client: If changing the current measure profile from the Measure dimension dialog, the Visible measure list was not updated based on the new profile. Additionally, when switching between two measure profiles with the drop-down list, the corresponding measures were displayed in the Visible Measure list. But after clicking OK, the worksheet was not updated based on the new profile. Instead the old profile was displayed. This issue has been resolved.	12656775
RPAS Fusion Client: When users attempted to save a profile that was identical to another profile, users were correctly prompted that the new profile was a duplicate and asked if they wanted to rename the existing profile. When users clicked OK to rename the profile and clicked OK on the Measure dimension dialog, the system generated an error message. This issue has been resolved.	12657359
When the base dimension of a global domain was the same as the partition dimension, the exportHier utility provided incorrect output after adding a new partition position through the reconfigGlobalDomainPartitions utility. This issue has been resolved.	12657631
The User Manager utility did not clear out the user group for a removed user and user group. This issue has been resolved.	12657817
When a user account was locked out and that user tried to log into the ODBC server, the ODBC server crashed and the user received a "network problem" error from the ODBC client. Now the user receives an "Account has been locked" message instead.	12670773
RPAS Fusion Client: Previously, the Fusion Client did not disable the ability for a user to enter smart edits for extended measures. This has now been disabled.	12674822
RPAS Fusion Client: Edited cell values in the pivot table were lost when the user directly clicked any pivot table toolbar buttons, such as measure profile, and selected an option under the toolbar. This issue has been resolved.	12675547

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: New split definitions were not reflected on the select split dialog. This issue has been resolved.	12679790
RPAS Fusion Client: Users received an error message when performing a search in the Select Split dialog after returning to the dialog from the Edit Split dialog. This issue has been resolved.	12679813
RPAS Fusion Client: Selecting a split definition associated to a level in an alternate hierarchy on the Select Split dialog resulted in a Null Pointer Exception. This issue has been resolved.	12686682
RPAS Fusion Client: When users decided not to save a new workbook and canceled from the list of workbooks, they were unable to click the next or previous buttons for the currently open new workbook. This issue has been resolved.	12691957
RPAS Fusion Client: The "Please select an active alert" list was displayed when users had already selected the alert from the Manage Alerts window on the Fusion Client homepage. This issue has been resolved.	12696983
RPAS Fusion Client: A null pointer exception was generated when the Alert Manager wizard was canceled while already in an existing Alert Manager workbook.	12698277
RPAS Fusion Client: When a session expired due to user inactivity, users were taken to the login page after clicking the OK button on the session expired popup. Sometimes this displayed an active login session. The top portion of the window displayed the logged in user name and other links that should appear only after a login. This issue has been resolved.	12707101
The buildWorkbookContext utility was updated to correctly detect that the selection files do not contain complete information to generate launch context. The utility did not detect that information was missing and did not give a meaningful message.	10170897
If the alert measure was based in the master domain, the count of alerts was not displayed correctly in the local domains. This issue has been resolved.	10270542
RPAS Fusion Client: When internal names for levels are partially similar (for example TEST and TEST123), the drag and drop of attributes in the Show Attributes and Sort dialog displayed the incorrect level. This issue has been resolved.	10276735
RPAS Classic Client: Users were unable to enter the following characters in a text field: !, \$, %, #. This has been corrected.	10302718, 12316925
RPAS Fusion Client: Users received an error when attempting to search in the "Find Image For" option within the Image Display dialog. This was resolved by updating the ADF release (11.1.1.4).	10358343
The wbatch utility was not running correctly over local domains. When there were no workbooks in the queue, the utility returned a return code of 2 instead of 0.	10640284
RPAS Fusion Client: Resolved java.lang.NullPointerException when users created a dimension split on a worksheet with exception formatting. Exception formatting is now skipped on undefined, ambiguous, and NULL valued cells.	11069334
RPAS Fusion Client: Cut/Copy/Paste Special did not copy all slices when selected. It only updated the currently selected slice. This issue has been resolved.	11718931

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The Fusion Client requested a simple sort on levels that are hidden and the server was throwing an error when the measure being sorted on is a percent of parent measure.	11724745, 11724761
RPAS Fusion Client: An error message appeared when navigating between workbooks when one of the workbooks corresponded to a dynamic task. This issue has been resolved.	11785091
<p>When running a rule group from the master domain, incorrect results occurred in the following scenario:</p> <ul style="list-style-type: none"> ■ Rule group contained multiple HBI measures being calculated, meaning, on the right hand side (RHS) of the expression ■ The rules that contained the HBI measures on the RHS of the expression contained at least one measure on the left hand side (LHS) that was a non-HBI measure and therefore aggregated from the local domains. ■ The same LHS measure was used in multiple expressions calculating a HBI measure. ■ This measure was aggregate to the same level for multiple expressions calculating a HBI measure. <p>In this scenario, the second time the LHS measure was aggregated to calculate one of the HBI measures, the value was not correct. This issue has been resolved.</p>	11797483
Failure in ldrule caused domain build failures in AIP. This issue has been resolved.	11809120
RPAS Fusion Client: When a user saved a workbook in the Fusion Client, the workbook was always saved for the default group of the user instead of any other group chosen on the Save As window. This issue has been resolved.	11810625
RPAS Fusion Client: In Internet Explorer, the Fusion Client did not allow editing of values with operators (such as "+200", "*7", and so on) when the language was set to German. This issue has been resolved.	11814213
RPAS Fusion Client: The Edit/Fill/Replication functionality spread the value evenly on the child cells instead of replicating the value to the children. This issue has been resolved.	11905685
RPAS Fusion Client: The performance of protection processing was slower on the Fusion Client than on the Classic Client. The cause was related to how long the protection processing took on the server. Server-side protection processing took longer than the client side processing of the Classic Client. The server side processing was modified to process only visible measures.	11934127
After applying a dimension split, a position named P001 was displayed before all other positions in the hierarchy. This issue has been resolved.	11936432
RPAS Fusion Client: The dates in the open workbook dialog were sorted alphabetically by the format that was displayed instead of being sorted correctly by date. This was observed when attempting to sort when the date was in a non-US date format. This issue has been resolved.	12322006
After running one of the plug-in automations in the RPAS Configuration Tools, configurations were not loaded without error after being saved. This issue has been resolved.	12335320

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When changing the sort order of the label attribute from ascending to descending within the Show Attributes and Sort dialog, the pivot table was not updated to reflect the change in order. This issue has been resolved.	12357281
RPAS Fusion Client: Users received an error message stating, "A system exception has occurred" when they deleted the only split from the Select Split dialog and clicked OK. This issue has been resolved.	12404054
When a user-defined dimension (udd) column did not match in the base array and the immediate parent array, updating the user-defined position in the Hierarchy Maintenance workbook caused udd positions to be left behind in the base array but were removed from the user-defined dimension array. In this case, the loadhier utility was failing. This issue has been resolved.	12632343
When attempting to run the RPAS Configuration Manager on UNIX, users received an exception when launching the utility. This issue has been resolved.	12702232
RPAS Fusion Client: The session timeout page was displayed to users on the login screen after the defined timeout. Since the users had not logged into a solution, the timeout page should not be displayed. This issue has been resolved.	12707108
The 13.2.2 documentation incorrectly listed 11g as a supported version of Oracle Identity Manager. This has been corrected to 10g in the current release. The OIM version number will be corrected in previous versions of the RPAS Installation Guide on the Oracle Technology Network.	NA

Known Issues

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

Known Issue/Defect	Defect Number
RPAS Fusion Client: Large values do not appear with exponential notation. Instead, the exact value is shown.	9218544
RPAS Classic Client: Users are unable to resize a hierarchy column on the y-axis. This appears to occur only when there are two hierarchies on the y-axis and the user changes the text color of positions within the inner most hierarchy.	9862083
When using Oracle SSO, the user names returned to RPAS are in all caps. If using SSO, user names should be created in all caps for SSO to work correctly.	10075212
RPAS Fusion Client: Simple sort does not work with a split dimension on the page edge.	10399483

Known Issue/Defect	Defect Number
An error message occurs in the RPAS Classic Client and Fusion Client when attempting to build a new workbook that has a wizard pre-range. This occurs only when the pre-range measure is based at a lower level than the wizard page for one of the hierarchies. For example, if the workbook has calendar, product and location wizards, and a pre-range measure is created that is based at item/store, when the location wizard is based at the store level, everything works as expected. However, if the location wizard page is based above the store level, the following error occurs within the wizard process: "CancelWizardException: PreRange Error: Empty selection list is specified by Mask Measure Store Pre Range".	11930495
RPAS Fusion Client: The name of the current user is displayed as the owner of the workbook instead of the user who originally saved the workbook.	12427971
RPAS Fusion Client: When using the print option in the Fusion Client on Internet Explorer, the Print dialog box is not dismissed after clicking selecting the Print command and clicking OK. The user must click the Close or Cancel button to dismiss the Print dialog box. This issue does not exist on other browsers.	12698173
RPAS Fusion Client: Session timeout sometimes navigates to the login page without expiring the current session.	12707101
Some applications (such as RO, IP COE, and SPO) that use the Java special expression framework may experience problems related to an internal error in the JVM when building or using domains on AIX 6.1. The error has been observed on Java versions 1.6.0 SP3 and 1.6.0 SP8. The root cause of the problem is being investigated.	12716611
When building a workbook with dynamic hierarchies, if the measure data that stores the dynamic hierarchy relationship has child positions with non-unique parent positions, then RPAS considers these positions and only unique parent positions are added to the dimension array. This results in an error when rolling up to the dynamic dimension.	12725193
An exception occurs when building the Translation Administration workbook. The error states, "WorkbookFinishException: Error in load rule group (CalcEngineException: Error in load rule group 'rpas_transadmin_load')."	12728744
RPAS Classic Client: When a user changes the rollup of a split hierarchy to a dimension that is on an alternate branch from the split dimension, the server crashes during a fetch.	12732545
The copyDomain process is failing when using the clone option because of a loadHier failure. The loadHier process is failing because the domains processed directory does not exist.	12738428
RPAS Fusion Client: Searching for a position on the Image dialog results in an exception.	12745686
RPAS Fusion Client: The task name is missing in the Open Workbook dialog for workbooks that are associated with dynamic tasks.	12752001
Users are unable to open or save a workbook after a workbook directory has been manually deleted from the user's directory in the domain.	12764996

Known Issue/Defect	Defect Number
RPAS Fusion Client: The value in the cell is not submitted after using the Enter or Tab keys in the last cell of the column or row.	12781004
RPAS Fusion Client: The commit status is not being updated after running a Commit operation from a custom menu.	12789379
<p>The loadhier utility fails with a DimensionException error message that states, "Position SKU does not exist in dimension INFO."</p> <p>This occurs when there is a user-defined dimension that aggregates from the base dimension (meaning, SKU) on the hierarchy that is being loaded.</p>	12796076
RPAS Fusion Client: A NullPointerException is generated when a user tries to access a step that has a custom menu assigned to it.	12810153
RPAS Fusion Client: Automatic evaluation of position queries is not working correctly after executing a custom menu. The filter icon must be clicked to re-execute the query after the custom menu is complete.	12811723
RPAS Fusion Client: When a user changes the rollup of a split hierarchy to a dimension that is on an alternate branch from the split dimension, the client throws an exception.	12825833
RPAS Fusion Client: The Web deployment descriptor file (weblogic.xml) has multiple security-role-assignment entries after installing the Fusion Client when enabling Single Sign-On (SSO). The duplicate entry must be manually deleted or commented out.	12826389
<p>When dimensionMgr is used to modify a dimension label using a relative or absolute domain path from the current working directory (CWD), the following error occurs:</p> <pre>dimensionMgr caught Exception: MeasureStoreException: Missing store database in domain: <current working dir></pre> <p>The following are examples of when the utility does not work:</p> <pre>dimensionMgr -d <relative domainPath> -dim <dimName> -label <dimLabel></pre> <p>where the relative domainPath is given as "./<domainRoot>" from the \$CWD</p> <pre>dimensionMgr -d <absolute domainPath> -dim <dimName> -label <dimLabel></pre> <p>where the absolute domainPath is given as "C:/Domains/<domainRoot>" from the \$CWD</p> <p>If you need to modify a dimension label, use the following usage:</p> <pre>dimensionMgr -d . -dim <dimName> -label <dimLabel></pre> <p>where the \$CWD is the domain root such as "C:/Domains/<domainRoot>"</p> <p>Note: The workaround above works only when the dimensionMgr is used alone and not from inside RpasInstall. Currently RpasInstall does not take or interpret the "." argument as the domain root. It substitutes the absolute path in its place. Therefore, the usage which works when dimensionMgr is used alone will not work when it is called from inside RpasInstall.</p>	12826675

Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 13.2.3 documentation set:

- *Oracle Retail Predictive Application Server Installation Guide*
- *Oracle Retail Predictive Application Server User Guide for the Fusion Client*
- *Oracle Retail Predictive Application Server User Guide for the Classic Client*
- *Oracle Retail Predictive Application Server Configuration Tools User Guide*
- *Oracle Retail Predictive Application Server Administration Guide for the Classic Client*
- *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client*

Supplemental Documentation at My Oracle Support

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

<https://support.oracle.com>

Cygwin Setup Guide for RPAS (Note 1333398.1)

This document details necessary options you should select when installing Cygwin to make it function properly with RPAS.

Oracle Retail Predictive Application Server 13.2.3 Cumulative Fixed Issues (Note ID 1277218.1)

This document details the fixed issues and defects for all RPAS patch releases prior to and including the current release.

Previous Releases

For additional information on previous Oracle Retail Predictive Application Server release enhancements and additional information, refer to the release notes and documentation that accompany the previous releases.

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Value-Added Reseller (VAR) Language

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