

Oracle® Retail Predictive Application Server

Release Notes

Release 13.2.1

October 2010

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

The following 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 Assortment Planning
- Oracle Retail Item Planning
- Oracle Retail Item Planning Configured for COE
- Oracle Retail Merchandise Financial Planning
- Oracle Retail Size Profile Optimization

Hardware and Software Requirements

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

Upgrade Notes

When upgrading RPAS, keep the following issues in mind:

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.

Measure Access in the RPAS Fusion Client

Measure access within a workbook in the Fusion Client is driven by the measure rights set in the client in addition to what is defined by the measure properties within the configuration. This works differently in the RPAS Fusion Client than it does in the RPAS Classic Client. The result is that some users experience a workbook being read-only when moving to the Fusion Client after having read/write access in the Classic Client.

When either moving to the Fusion Client from the Classic Client or creating users in the Fusion Client, the users should be given read/write access to all measures in the Measure Rights worksheet of the Security Administration step of the Administration task. This ensures that measures configured into a workbook have the correct access.

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* and the *RPAS Administration Guide*.

TinyXML Enhancements

TinyXML version 2.6.1, which is released with RPAS 13.2.1, contains performance enhancements and interface changes which may affect custom RPAS code that relies directly on TinyXML interfaces.

Note: If your extended code does not use TinyXML, the issues below do not apply to you.

Below are possible issues you may experience when upgrading to RPAS 13.2.1 with the 2.6.1 TinyXML.

char* vs. std::string

In TinyXML 2.6.1, all functions which take a std::string argument also return string values as std::string objects, and vice versa. Previous versions allowed more mixing of char* and std::string.

TiXmlNode::NodeType enum

The value names in the TiXmlNode::NodeType enum are now prefixed with TINYXML_.

Previous Value	2.6.1 Value
DOCUMENT	TINYXML_DOCUMENT
ELEMENT	TINYXML_ELEMENT
COMMENT	TINYXML_COMMENT
UNKNOWN	TINYXML_UNKNOWN
TEXT	TINYXML_TEXT
DECLARATION	TINYXML_DECLARATION
TYPECOUNT	TINYXML_TYPECOUNT

Const Return Values

In the previous TinyXML version, some function calls on const objects would return non-const references to their parent or child objects. This has been fixed in the newer version. An example function call is below:

```
TiXmlNode::FirstChildElement.
```

If called on a const TiXmlNode pointer, the return type is now const TiXmlElement*.

StreamOut

The StreamOut function has been replaced by a much more flexible and configurable function: TiXmlPrinter class.

Functional Enhancement

RPAS 13.2.1 includes the following functional enhancement.

RPAS Fusion Client Auto Sort on Pagination

The RPAS Fusion Client now has a setting that allows a sort to be automatically run when scrolling through the page axis (also known as the z-axis). When auto sort is set and the user scrolls through the page axis, the sort is reapplied based on the new data for the positions shown. If this feature is not set, the positions in the worksheet are sorted based on the data associated with the previous position in the page axis on scroll.

Technical Enhancements

RPAS 13.2.1 includes the following technical enhancements.

Tools Support of Additional Calendar Functions

The RPAS Configuration Tools have been enhanced to support the following RPAS calendar functions:

- date
- dateDiff
- addPeriods
- calendarStart

Support for WebLogic for RPAS Classic Client Web Deployment

Added support for Oracle WebLogic Server 11gR1 (Release 10.3.2) with Oracle Application Development Runtime 11g (11.1.1.2.0) and JDK 1.6 for the RPAS Classic Client Web Deployment option. See the *RPAS Installation Guide* for details on the RPAS Classic Client Web Deployment.

Concurrent User Sessions for RPAS Fusion Client

This release of the Fusion Client supports a single user having multiple Fusion Client sessions open at the same time. This functionality is similar to what has been available in the RPAS Classic Client. See the *RPAS Administration Guide for the Fusion Client* for details on multiple user sessions.

Language Enablement

New Translations

For Release 13.2.1, RPAS is translated into Croatian in addition to the previous language translations supported in Release 13.2.

New copyDomain Options

The copyDomain utility has been updated to provide two additional options: -relativizePaths and -dimDictOnly.

The -relativizePaths option updates the existing master and subdomain path references to relative paths. If the current paths are invalid, the utility searches for subdomains in the same location as the master domain and within the master domain directory.

The -dimDictOnly option copies only the source domain structure, metadata, and hierarchy data. The result is a smaller, non-functional domain that can be used to resolve hierarchy loading issues.

Note: The -relativizePaths option replaces the option of calling the copyDomain utility with only a source domain specified. Previously, by providing only a source domain, the local domain's paths would be made relative. With the 13.2.1 release, the same result is achieved with the -relativizePaths option.

Noteworthy Defect Fixes

The following noteworthy defect fixes and enhancements are included in RPAS 13.2.1.

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The number of rows selected in the wizard were being truncated.	7641355
RPAS Fusion Client: Application appeared to hang when a user tried to open a workbook that was not available to be opened. This could be due to the workbook being opened by another user or because it no longer existed.	7641406
RPAS Fusion Client: A blank value was shown for aggregate levels within picklist measures when the aggregation resulted in an ambiguous value. Now, the aggregate level shows the ambiguous value of ?.	7672088
RPAS Fusion Client: Due to a performance issue, bar and column charts were not plotted when there were replicated column headers in the chart.	8523410
RPAS Fusion Client: The range of time periods by using the relative calendar was not autoloading in the Selected Items pane of a wizard when user saved the PQD.	8560764
RPAS Fusion Client: Formatting applied to dimensions on the page edge was not displayed until the user moved the dimension from the page edge to either the row or column edge.	8571585
RPAS Fusion Client: The File Menu Bar moved back and forth horizontally when navigating within the taskflow.	8591976
RPAS Fusion Client: Updated the size of the Undo List so that more text is visible to the end user.	8636630
RPAS Fusion Client: When a check box was selected at an aggregate level and then any attribute was deselected under it, the check box at the aggregate level was still selected.	8693260

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When performing a simple sort with a pending calculation, the client now asks users whether they want to calculate or revert the change.	8803837
RPAS Fusion Client: When a user deselected all attributes in the Visible and Sort Attribute dialog on the Show Attributes and Sort dialog, the system still used the default attributes. When returning to the dialog, the user saw the default attribute in the visible dialog but not in the sort attributes dialog.	8827468
RPAS Fusion Client: The order of the attributes shown within a wizard were not correct based on the user-defined order when using the up and down button.	8862745
RPAS Fusion Client: The user selection was not maintained when a user selected all cells for a particular measure by holding down Shift + Down arrow button.	8893681
RPAS Fusion Client: Updated the Attribute and Sort dialog when selecting the measure dimension to indicate that the Sort by User Order option has been selected and that the ordering buttons are disabled.	8909693
RPAS Fusion Client: Resolved issues with window focus. When a user had tiled multiple worksheets, the focus did not change from one worksheet to another when the user selected something on the page edge or a dimension tile from that other worksheet.	9046792
RPAS Fusion Client: Updated the logic for relative calendar PQDs such that the end date cannot be set to a date less than the start date.	9052946
RPAS Fusion Client: The Fusion Client installation was not correctly handling property strings that had blank spaces. The installation process now trims the blank spaces.	9184401
RPAS Fusion Client: Formatting has been updated to allow for shading of hierarchy levels on the row edge as well as when the hierarchy is in block view.	9191088
When exporting data in a multi-language domain, the contents of the measure r_measlabel were exported incorrectly.	9198260
RPAS Fusion Client: When exporting or printing, the user can no longer enter in 0 value for the number of pages tall or wide. If a user enters a value of 0, they receive a message stating the valid options.	9225338
RPAS Fusion Client: The separator text box when printing or exporting is now only enabled when the user selects the text option.	9229673
RPAS Fusion Client: When returning to the image display dialog, the "Find image for" position was not synchronized with the image shown in the carousel.	9238599
RPAS Fusion Client: When a workbook does not have a commit rule group configured, the commit options are now correctly disabled.	9241601
RPAS Fusion Client: When a user drags and drops the order of the attributes in a wizard, the same order was not reflected in the show/hide dialog.	9242166
RPAS Fusion Client: User was not able to select a date from the calendar pop-up if that date is from a month that is not shown.	9252132

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: When users attempted to perform a Fill / Clear operation without selecting a measure, it caused the application to create a null pointer exception in the log. Nothing happened in the user interface; it behaved as if the user had not initiated any action. Now, if the user performs a Fill/Clear operation without first selecting a measure, the Fill/Clear dialog box gives the user the opportunity to select the measures there.	9255021
RPAS Fusion Client: Previously, users could resize a window so small that the view gripper disappeared. Now users are prevented from resizing a window to be too small. This ensures that the view gripper remains available. A size limit has been enforced that prevents the user from resizing a window too small so that the window resizes back.	9259705
RPAS Configuration Tools: A new expression called USERNAME was added. It returns the external user name instead of the internal user ID.	9286401
RPAS Fusion Client: When removing all attributes for a level from the sort area and clicking OK, the application generated a warning for each level that did not have any sort attributes but are displayed in the visible attributes. The warning dialog disappeared automatically after a short period of time. Now, the dialog now remains until dismissed by the user.	9306186
RPAS Fusion Client: Wizard favorites were not saved in all cases.	9317061
RPAS Fusion Client: A flag has been added to the workbook formatting for auto position query. This allows for the auto position query setting to be saved for future sessions of the workbook.	9491717
RPAS Fusion Client: When creating a Wizard PQD (also now as creating a Favorite setting) with dynamic dates, the selected dates were not updated after the initial execution. If a user selected a range from January until March the first time and then selected a range that should be from February until April the next time, the dates selected remained as January until March.	9536699
RPAS Fusion Client: Previously, the refresh option within a workbook that has no refresh rule group configured was not disabled. Now, the refresh is displayed, however if there are no refresh rule groups but there are images enabled in the workbook, a refresh rule group is created to allow the images to be refreshed. In those incidences, the refresh option remains enabled even though no default refresh rule group was configured.	9545830
RPAS Fusion Client: A Single Hierarchy Select drop-down measure did not have a list of values in some scenarios. When the drop-down contained one item, no items appear. With two items, only one appeared. However, if the user clicked the search entry, the values were selectable. This has been corrected.	9556375
RPAS Fusion Client: When trying to paste into a lock cell, the error dialog had the same warning repeated twice.	9556379
When a configuration was updated by adding DPM information, updating a workbook to enable DPM, and then running the patch install process, it was not correctly updating the domain because the Maintain Positions option was no available in the workbook. This has been resolved and DPM information can now be patched correctly.	9576624

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: The rename workbook options under the file menu are disabled for read-only workbooks.	9627079
RPAS Classic Client: Windows formatted as “hidden” did not stay hidden. If a user hid a window, saved the format, moved to another tab and then returned to the original tab, the hidden window was displayed in the lower left corner again.	9637600
RPAS Classic Client: When in expanded text mode within a cell, the client closed with no warning when the user used ALT-Tab to go to another application.	9663897
Measures with special value parameters were not copied correctly when using the copyDomain utility. In the copied domain, these special values were blank.	9698405
RPAS Fusion Client: When building a workbook with an alert, the alert was not being inserted into the workbook if that workbook contained only a single worksheet.	9699603
RPAS Fusion Client: Previously, users were not prevented from deleting the default view that is part of the configuration. This has been corrected.	9707869
RPAS Fusion Client: The active/selected step in the taskflow pane was not updated correctly when navigating between tasks that belong to different activities.	9715452
RPAS Fusion Client: The "Only within" text in the position label within the Find dialog is not the same as shown in the pivot table. In one specific example, the & symbol was not shown in the dialog.	9727998
RPAS was incorrectly handling data that was in load values that had a value of less than 1. In that case, RPAS was loading the value as zero.	9736488
RPAS Configuration Tools: Resolved issue that did not allow the rule group simulator to work correctly. The simulator was creating an error message specifically when the rule group being simulated includes the RankSort function.	9744723
RPAS Classic Client: The Edit/Fill functionality did not work if all the dimensions for one of the worksheet hierarchies were hidden. RPAS created an error message stating, “No measures capable of being filled” even when editable measures were available.	9750608
RPAS Classic Client: When two hierarchies are on the z-axis, the next option was disabled when reaching the last position of the hierarchy on the right side of the axis. This prevented the user from scrolling to the next position in the hierarchy on the left. The functionality has been updated so that the next button on this condition is still enabled and navigates to the next position of the parent dimension.	9792020
An error is generated when user tried to build a workbook in the local domain for any language other than English. The reason was due to the lang dimension in the local domains not containing all of the languages. The languages have now been centralized in the master domain.	9792412
RPAS Fusion Client: Improved the performance of generating the right-click menu from the header cell when the header cell had over 200 children cells.	9793372

Fixed Issue/Defect	Defect Number
RPAS Fusion Client: Informal positions were not displayed in blue text within the workbook wizards.	9795866
RPAS Fusion Client: When informal positions are on the z-axis, they were not displayed in blue text color if the position was selected to scroll.	9797827
RPAS Fusion Client: When including two alerts within a workbook, the secondary alert was not visible in the selected worksheet. However, the alert was available in the hidden measure list.	9811506
Dimension layout was not properly saved when a user incrementally saved a format. When a user incrementally saved a format and then removed all dimensions from a given hierarchy, the subsequent incremental format save would not save the fact that all dimensions were removed.	9820625
RPAS Fusion Client: The Fusion Client installation now correctly deploys using the installed ear file instead of the ear file located in the temp directory.	9820651
Corrected issue with the transform function to correctly use Boolean mapping.	9821263
RPAS Fusion Client: When opening the last opened workbook from the taskflow pane, the Opening Workbook splash screen did not appear.	9832395
Alert Manager workbooks were only including positions with alert hits, regardless of whether the hierarchy was listed as Ranged, Hidden or neither.	9840955
Measures expected to be editable appeared to be read-only within the client at aggregate levels. Within the RPAS Configuration Tools, the measure was configured with agg state as Read/Write. RPAS was overriding the configured value for agg state and forcing it to be read-only. This was because the measure had no specified default spread and the RPAS default is NONE. The Configuration Tools were updated to treat unspecified default spread as NONE and flag the agg state of Read/Write as invalid.	9843435
RPAS Fusion Client: The up and down arrows were not working correctly in the measure show/hide dialog. If a group of measures was selected and the up or down arrow pressed, all of the measures were not moving. Only one measure of the selected measures moved up or down.	9845992
RPAS Fusion Client: Date values were not exported to text files appropriately.	9857908
Updated the loadHier utility to correctly catch an error when sorting the input files. When there was an error during the sort, the loadHier utility did not throw an error and there was the possibility of a blank file being loaded into the domain.	9857957
RPAS Classic Client: Positions within the z-axis would not scroll correctly when using the up and down arrows. For example, assume that there are two dimensions on the z-axis. Move to the third position of both hierarchies. Click the position from the one hierarchy and click the up arrow. Instead of just the position moving from the one hierarchy, positions from both hierarchies would move.	9863282
RPAS Fusion Client: Users were not able to reorder the images when comparing images in the view/manage image dialog.	9865503

Fixed Issue/Defect	Defect Number
Updated the listDb utility to include an -allOptions argument. Now the utility defaults to output standard options instead of all options. Also, the -pageOptions argument is no longer visible in the usage.	9865589
RPAS Fusion Client: Users could assign new images to positions even if the workbook is not enabled for image modification. These images were not saved to the domain and were only available in the workbook in which they were assigned.	9865707
RPAS Fusion Client: After assigning an image at a higher level in the View / Manage Image dialog, the image seemed to disappear if the user changed the level of the hierarchy they were viewing. If the user returned to the dialog, they saw the assigned image.	9870091
RPAS Fusion Client: The correct error message was not displayed when the user tried to export a view without choosing the view in the first place. This happened when choosing Export from the File menu and choosing the Export icon from the toolbar.	9870096
RPAS Fusion Client: When a step has multiple worksheets, the unopened worksheets could not be exported. When a user tried to export that worksheet, a blank file was created.	9870097
Users occasionally received a Null Pointer Exception (NPE) when running a configuration patch. This commonly occurred when an invalid domain home was specified. For example, the domain home would be set to the domain root instead of its parent directory. Now, the user receives a meaningful message and not a NPE.	9870115
RPAS Fusion Client: The right-click menu option did not work for the View Image option on the page edge. The dialog never displayed.	9870163
RPAS Fusion Client: Received a warning message when trying to log out of the Fusion Client instead of directly going to the login page. The message stated, "Because of inactivity, your session has time out and is no longer active. Click OK to reload the page." After clicking OK, the user was taken back to the login screen.	9871295
RPAS Fusion Client: When a user selected multiple measures in the dimension dialog and selected to insert a measure, it appeared to arbitrarily pick one of the selected measures as the insertion point. It now picks the last measure selected in the currently visible order and inserts the measure after that measure in the view it appears.	9873849
Images and image paths were not displayed for images that had been loaded in batch into the image measure.	9874273
RPAS Fusion Client: Users received an error message after cancelling a new workbook build if they initiated that process from an existing step/workbook. The message stated that the workbook the user navigated from did not exist.	9881300
RPAS Fusion Client: In the Search dialog accessed from a Single Hierarchy Select measure, the sort descending option was not working. When that option was selected, the list of values was not be sorted.	9884165
RPAS Fusion Client: After launching the View Images dialog from the right-click menu on a specific position, the image carousel did not show the image for the position selected.	9889638

Fixed Issue/Defect	Defect Number
<p>RPAS Fusion Client: Resolved several issues around ordering of positions on the Show/Hide and Show Attribute and Sort tabs. The issues are as follows:</p> <ul style="list-style-type: none"> ■ On Show/Hide tab, a drag-drop from available to selected section now positions items in order as displayed in available section, meaning that it should retain the order irrespective of the index it was dropped. ■ On Show Attributes and Sort tab, a drag-drop from available to selected section honors the drop location of the attribute. For example, if a label was already visible and the user dropped "IntDimAttr" from available to selected before Label, the "IntDimAttr" must be moved accordingly, meaning that "IntDimAttr" must be first followed by Label. ■ Selecting multiple attributes from Available section and clicking the Add button moves the selected attributes to the end of selected attributes in the same order as in Available section. For example, with only "Label" selected, if the user selects "IntDimAttr" and "BoolDimAttr" from available section and clicks Add button, the "IntDimAttr" and "BoolDimAttr" should be moved after Label in the same order as they were in available section. ■ Performing a drag-drop within the selected section retains the order of selected attributes, meaning that it should not reverse the order of selected attributes once they are moved to new location. 	9872561
RPAS Fusion Client: The delete option for removing an image from a position did not disappear after the user changed the level at which they were viewing images. At the higher level, there was no image assigned and therefore the delete option should not have been enabled.	9889639
Performance issues were resolved in workbook builds that were found when upgrading from 13.0.4 to 13.1.2.	9893208
RPAS Fusion Client: After deleting a dynamic attribute that is currently visible in the workbook, the attribute row was still visible and contained no values.	9899318
Within the RPAS Classic Client, certain dialog controls were not wide enough to support various new languages that have been added to the standard support. The dialogs have been updated.	9901561
Resolved performance issues related to the performance of the ODBC driver.	9903468
The mace utility resulted in a core dump when an invalid argument was provided, such as trying to run a invalid rule group. The utility now correctly produces an exception.	9908127
Users were not able to see the user names in the Edit User wizard page. The drop down box showed blank values instead of the user names.	9912872
The DPM process allowed users to enter multiple parents for a given parent position. For example, a user was able to create a new parent level and assign it to different parent levels for different lowest level positions.	9916222
The domaininfo utility failed with a core dump when using the -subdomain command.	9923941

Fixed Issue/Defect	Defect Number
The copyDomain utility did not work properly with soft linked local domains. The utility has been updated to convert the paths to the local domains to hard links.	9924582
The workbook build times within IP COE were much longer than expected. This was due to how the loading of images was handled during the build process. There was the potential that the load rule would be evaluated twice in this scenario.	9924661
RPAS Fusion Client: A null pointer exception (NPE) error was generated when a user cancelled opening or building a new workbook when doing so from an open workbook. The user is now navigated to the home page when there is no workbook to navigate to.	9927583
When there are multiple position queries configured on a worksheet and the dependent dimensions are placed on the page axis, the execution order was not correct and the positions on the other axes were not filtered correctly.	9927997
RPAS Fusion Client: User received error message when trying to find the next alert because the intersection validating the alert intersection and the worksheet intersection were not working correctly.	9932192
RPAS Fusion Client: Updated the text in the About dialog to correctly capitalize Fusion Client.	9932193
Improved mace performance by caching the PNIMap instead of constructing it every time when it is needed in the process.	9951096
The rpaConfigMgr merge operation failed to create a complete output configuration when the input (paths to target, change, and output) to the utility contained relative paths. This has been resolved.	9951595
Some users were unable to be deleted because of the existence of corrupted workbooks. An update was made so that the user can be deleted regardless of these workbooks.	9955060
Corrupted Commit ASAP workbooks could not be deleted either through the RPAS Clients or the wbmgr utility. The wbmgr utility can now delete these workbooks.	9955475
RPAS Classic Client: When pasting from the clipboard and only having a single measure on the worksheet, the operation resulted in an Unexpected Error message and caused the client to shut down.	9955865
The ODBC Server process continued to run even after the query finished and the client disconnected. This ODBC server process continued to consume CPU and memory which severely impacted the performance of the server.	9964054
Attributes were not displayed correctly when the attribute measure was a non-HBI measure stored in the local domains and the user was in the master domain. When in the master domain, the user saw an empty value as the attribute label instead of the valid label. This worked correctly in local domains.	9973377
RPAS Classic Client: Edits made to a chart were not correctly synchronized with the pivot table that the chart is based on. If a user made an edit to the chart and then selected not to calculate the value when going back to the pivot table, the data in the pivot table and chart were not the same.	10015432

Fixed Issue/Defect	Defect Number
<p>When updating the measure rights in the local domains when building a global domain, the path to the master domain was used instead of the path to the local domain. This resulted in no admin rights in the subdomain. An error generated during the build process stated the following:</p> <pre>createGlobalDomain caught Exception: Could not open file '/XXXXX/domains/master_domain/local_ domain/data/admin.db/userinfo.ary' . in line 500 of file '../../Libraries/BPlusTree/PageManager.cpp' (errno : No such file or directory)</pre>	9976495
Workbooks that contain dynamic hierarchies were getting an ArrayCacheException in the wizard. The handling of dynamic hierarchies has been updated to properly handle shadowed dimensions properly.	10022055
Wizard process on some production environments were sometimes abruptly terminated with broken-pipe error and "windows error 10055." This error was found to occur when the RPAS Client received messages larger than 60 megabytes from the RPAS Server. The code that deals with client-server messaging has been modified to handle larger messages.	10023434
When a position is reclassified between subdomains back and forth within the same input file, loadHier was not able to find the issue during the check parents process. Check parents has been fixed in order to catch the issue.	10023629
RPAS Configuration Tools: Users reported that the Configuration Tools did not validate that recalc measures must have a spread type of NONE. The Configuration Tools now flags recalc measures with spread types other than NONE as being invalid.	10025530
RPAS Configuration Tools: When attempting to delete a worksheet in the RPAS Configuration Tools, a user experienced the Configuration Tools hanging. When reopening the configuration, it appeared that nothing happened. The reason for was because the user encountered a Null Pointer Exception (NPE). The cause of the exception was because the Configuration Tools did not take into account that there could be no taskflow configuration for the given worksheet and the deletion of the worksheet resulted in the NPE. The Configuration Tools has been updated to correctly handle this condition.	10028964
RPAS Classic Client: In RPAS 13.1.2.18, a user received an error message when trying to log in. The message stated, "ServerFailedException (Timed out waiting for RPAS daemon to start up)."	10030705
When a check box measure is on the worksheet and a user tries to perform an edit/fill on any measure, an unexpected exception occurred.	10034585
RPAS Classic Client: A MeasureDimRegistryException error message was generated when a user rolled up a hierarchy within a worksheet.	10041632
The getTimestamp method of the RPAS JDBC driver created an error 'Value can not be converted to the requested type' if the calendar object passed to it is null.	10042376

Fixed Issue/Defect	Defect Number
After building a workbook and closing it with the Do Not Commit option, an error occurred and stated, "Error: Database not found at path." After exiting the error normally, trying to build the workbook again results in a connection dropped error.	10042509
Alert workbooks were not built with the wbbatch utility even in cases when the active alert count was greater than 0. This occurred because the active alert was not changing when building multiple workbooks with the wbbatch utility. Now, the active alert is changed for each workbook being built.	10052636
RPAS Classic Client: Certain operations caused MeasureDimRegistryException messages. One case occurred when moving hierarchy tiles; users encountered an error stating, "MeasureDimRegistryException: Invalid size 4 != 90 for dimension 'SKU' with Code 1."	10054472
RPAS Classic Client: The tool tip provided when scrolling in the wizard or window has been updated. The tool tip now displays details on the range of visible positions and the percent of the total selection. For example, assume that there are 100 position in the scroll. If the user views positions 20 through 40, the tool tip now displays "20-40 of 100 (24%)."	10059588
Resolved an issue with position labels having left and right parenthesis in their label and being used as part of a picklist. The characters "()" that are found in position labels were not correctly encoded in the picklist strings and caused errors with the Commit ASAP process.	10071728
When the loading of a hierarchy caused all available buffer positions to be used, the load resulted in blank rows within the dimension arrays. This was caused by the rebuffering process not correctly creating a complete set of positions and leaving some active positions with a blank row when rebuilding the dimension array.	10080886
If a workbook was built through alert manager, the alert measures were not refreshed when performing a workbook refresh. A refresh rule was not created for the alert measure when the workbook was built. Now, a default refresh rule is created during workbook build and inserted into the refresh rule group for the alert measure.	10087598
RPAS Classic Client: When saving formats, exception formats that were cleared were not saved as part of the user format. If a user set an exception for a given measure, saved the format, and then cleared the format and saved again, the second save of the format did not clear the exception format.	10089585
RPAS Classic Client: When the width or height of a dimension in an axis contains more than 65,536 pixels, a runtime error message appears. Now, the axis can correctly display a dimension width or height that exceeds that limit.	10122421
RPAS Fusion Client: When selecting multiple alerts to bring into a workbook, the incorrect alert was set as the active alert. When a user selected alert 1 and alert 2 to be included in a workbook when alert 2 as the active alert, alert 1 was the active alert after the workbook was built.	10142412
RPAS Fusion Client: The Show/Hide dialog had the potential to freeze and did not allow selected items to be moved from the Visible Items side of the dialog to the Hidden Items side. The left arrow button used to moved items from right to left became ineffective as well as the OK button.	10145982

Fixed Issue/Defect	Defect Number
The load hierarchy process failed because some of the DPM positions were corrupted. There were multiple information positions with the same external name but with different case. The comparison of external names has been made case insensitive. This prevents DPM from adding duplicate positions when they match an external name except for the case.	10146857
In a multilingual domain, dimensions with translated labels failed to display the correct label string.	10151586
RPAS Configuration Tools: The Configuration Tools was not able to load a configuration due to an exception during the load process. The configuration contained an empty labeled intersection entry. This entry had no name, which caused the load process to fail. The save process has been updated to skip any empty entries for labeled intersections.	10170105
Resolved performance issues related to the paste special option. The fix to improve performance was to reduce the frequency of opening and closing of certain databases. The same fix resolved performance issues related to ODBC queries taking longer than expected.	10151558, 10131162
RPAS Fusion Client: Certain measures appeared to be read-only instead of invalid. This was based on cell formatting. Invalid cells should have a darker grey shading than the read-only measures. If a measure was read-only based on measure protection, the read-only color was shown even at invalid levels. The invalid cell formatting has been corrected to show these cells as invalid.	9744803, 9831948
RPAS Fusion Client: A misleading error message about an "invalid profile" was displayed in SSO deployment mode when SSO login succeeded but the RPAS login failed. Now, the same "logon failed" message is displayed irrespective of the deployment mode. Also the "direct navigation to home page" feature in SSO mode is disabled when there is only one domain or domain is specified in the URL.	N/A

Known Issues

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

Known Issue/Defect	Defect Number
RPAS Fusion Client: View names are not persisted when the workbook is saved. If a user builds a workbook and renames a view, the new name of the view is not persisted after the workbook is saved and re-opened.	9087318
RPAS Fusion Client: Large values do not appear with exponential notation. Instead, the exact value is shown.	9218544
RPAS Fusion Client: Color-based graph formatting properties (such as background color and series color) do not persist in AIX environments despite persisting in Windows. All other known graph formatting appear to function properly.	9251236
RPAS Fusion Client: When performing a cut special operation on read-only cells when there is a pending edit, a pop-up message appears after the dialog that questions what to do with the pending edits. If the user clicks OK, the original dialog remains visible. The user must cancel that dialog box to return to the view.	9293469

Known Issue/Defect	Defect Number
The alert counts in the master domain are not calculated correctly based on the sum of the counts from the local domains.	9456266
RPAS Fusion Client: Problems occur when accessing resource files from within the WAR file on AIX only. Resource bundle files must be copied to the appropriate config folders on the file system, typically <config_root>/rpas/resources & <config_root>/<solution>/resources.	9554530
RPAS Fusion Client: Users are returned to the login screen after the session has timed out instead of receiving a message that states the browser session has expired.	9883104
RPAS Fusion Client: When using the search feature, users are unable to enter a space in the search field. To work around this issue, users can copy and paste a phrase into the field.	9884218
The RPAS installer does not correctly handle missing ant.install.properties file when running in silent mode. The default values are used instead of prompting the user of a missing file.	9908117
A user gets a different result when entering an aggregate level value when the measure spread method is set to replicate versus just entering a value followed by "r". There should be no difference in behavior.	10050661
RPAS Fusion Client: When users attempt to log into the Fusion Client and are asked whether they want to terminate an existing session, the session appears to hang rather than terminate the other session and returning the users to the homepage. This issue appears to occur more consistently on AIX than other servers.	10107752
RPAS Classic Client: User gets an unexpected error message if they enter 255 characters into a text field and try to switch to another application.	10142747
A java.lang.nullPointerException error occurs when comparing two configurations using the rpasConfigMgr utility.	10178612
RPAS Fusion Client: Users receive a blank worksheet and a "no data to display" message if they try to create a percent of parent (POP) measure when there is still a pending edit needing to be calculated.	10203407
RPAS Fusion Client: Measure access within a workbook in the Fusion Client is being driven by the Measure Rights set in the client in addition to what is defined by the measure properties within the configuration. This works differently than the RPAS Classic Client. The result is that some users would experience a workbook being read-only when moving to the Fusion Client after having read/write access in the Classic Client. When either moving to the Fusion Client from the Classic Client or creating users in the Fusion Client, the users should be given read/write access to all measures in the Measure Rights worksheet of the Security Administration step of the Administration task. This ensures that measures configured into a workbook have the correct access.	N/A
RPAS Fusion Client: When using HP JDK 6.0 and above, users encounter an error when attempting to install the AppDev component of the WebLogic Server. To resolve this problem manually, the jaxb-api.jar file must be downloaded separately and included in \$JAVA_HOME/lib/endorsed directory on the application server.	N/A

Known Issue/Defect	Defect Number
RPAS Fusion Client: Not all strings are translated into Croatian. Some strings that are not translated include the OK button, the Cancel button, and the View button.	N/A

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>

Oracle Retail Predictive Application Server 13.2.1 Cumulative Fixed Issues (Note ID 1147845.1)

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

Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 13.2.1 documentation set:

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

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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