Oracle® Retail Predictive Application Server

Release Notes

Release 13.4.1

May 2013

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

Hardware and Software Requirements

See the *Oracle Retail Predictive Application Server Installation Guide* for hardware and software requirements.

> **Note:** The Web Tunneling functionality, currently available with the RPAS Classic Client, will no longer be supported starting with the next release of RPAS. This is a setting that is configured in the Advanced Settings of the EConfigure utility. Clients should be using VPN technology instead of Web Tunneling. All Web Tunneling functionality will also be removed from the RPAS Classic Client Web Deployment.

> **Note:** Due to known ADF issues related to the use of Google Chrome, the RPAS Fusion Client may drop support for Chrome in the next release until these issues are resolved.

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> **Note:** In the next release of RPAS, the non-SSO version of RPAS Classic Client Web Deployment will no longer support the web-based administration interface which allows configuring domains from a web browser. Instead, all domains will have to be set up on the server by editing a properties file.
>
> The SSO version will not be affected.

> **Note:** In a future release of RPAS, support for HP-UX will be discontinued.

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 (Doc ID 1333398.1)

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

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 *Oracle Retail Predictive Application Server Installation Guide*, the *Oracle Retail Predictive Application Server Administration Guide for the Classic Client*, and the *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client*.

Default bitSizes

The rule, expr, meas, wb, and wbq dimensions come with a default bitSize. Their bitSizes should not be increased after a new domain is built. When the domain is upgraded and/or patched, these dimensions were found to get fragmented and eventually hit the threshold level for the available address space. The user gets a message to reindex them. There is no need to increase the bitSize for these dimensions and only defragging is sufficient to bring the address space back to the required level.

The following commands must be run on the domain after it is upgraded and/or patched if the message to reindex appears on any of these dimensions:

```
reindexDomain -d <dompath> -dimSpec rule -force
```

or

```
reindexDomain -d <dompath> -dimSpec expr  -force
```

or

```
reindexDomain -d <dompath> -dimSpec meas -force
```

or

```
reindexDomain -d <dompath> -dimSpec wb -force
```

or

```
reindexDomain -d <dompath> -dimSpec wbq -force
```

or

```
reindexDomain -d <dompath> -dimSpec rule,expr,meas,wb,wbq -force
```

Noteworthy Defect Fixes

The following noteworthy defect fixes are included in RPAS 13.4.1:

Affected Component	Fixed Issue/Defect	Defect Number
Alerts	Even if an alert was new in all subdomains, its status was still shown as resolved in the master domain after running sumAlerts. RPAS did not update the alert status with the sumAlerts option. Now, the alert status is updated in the master domain with the sumAlerts option for the alerts which have the same status across all the subdomains.	9216497
Auto Workbook Build	When a workbook category was deleted, any assigned auto workbook queue entries from local domains that were assigned to that category were not being reset back to the default category. The process of removing the workbook category and updating the existing queue entries was not looping across all domains. It now loops through all domains and assigns the existing queue entries to the default category.	16297463
Classic Client: Alerts	Building a workbook from the Alert Manager window by clicking an alert would result in an unexpected exception in the workbook when rolling up to a higher level and switching to the outline view. This was a client-side issue. During the workbook creation process and when the workbook was opened, the alert position detailed was populated. To populate the alert position details, a lookup was done on the position map. But when the workbook was built from an alert window, the positions were not yet populated into the map. The lookup was returning a NULL position, which was causing the issue when the workbook was opened. Now, the position map is checked during the lookup to determine whether the positions are already loaded. If not, the positions are loaded and then the lookup is done.	16284069
Classic Client: Charting	The RPAS client unexpectedly shut down when a user toggled a view to chart and attempted to create a new window after making changes to at least one cell. When the new window was initialized, the grid view was being told to make the edited cells as dirty. However, the grid view had a NULL data pointer because it was not initialized since the window was only displaying the chart. Now, when resizing the window that is not in chart mode, the edited cells in the grid are not marked as dirty. This prevents a NULL pointer de-reference if the view is in chart mode and therefore has no grid data.	16447918

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client: Cut/Copy/Paste	When all the rows or columns were selected for clipboard paste, the client would fail. The client builds an array to hold all the paste values. That array is sized from the number of selected rows and columns. However, the size calculation was incorrect and resulted in the array containing one extra row and one extra column. When the data from the array was copied into the grid, an invalid memory access occurred when trying to copy the extra row or column because it was beyond the bounds of the grid. The calculation is fixed for the number of rows and columns in the paste data. This prevents a buffer overflow when copying that data into the grid view. Also, the validation error that occurred when all the rows or columns were selected using extended selection (Shift + Click) is fixed.	16538010
Classic Client: Display and Sort Attributes	Only the label attribute was available in the Select Display and Sort Attributes dialog for given dimensions. There is a Boolean flag to check if a measure was already in the dimension attributes map. It starts with the default value of true. If the entry is already in them, the map flag gets set to false so it does not get added again. But after the loop ends, the flag was not reset to true for the next iteration. The resolution is to reset the Boolean flag after each loop iteration. All attributes should now be visible.	16279630
Classic Client: DPM	The page-axis position queries were not run after adding a Dynamic Position Maintenance (DPM) position. Therefore, the new informal position was visible when it probably should have been hidden by the position query. The DPM code did not accommodate page-axis position queries. DPM now reruns the page-axis position queries after a position is added or modified.	12693490
Classic Client: Dynamic Attributes	The attribute definition menu was not available in a workbook that was created by another user if there were user-defined attributes by the other user in the workbook. RPAS disabled Attribute definition, Attribute-based sort, and Unsplit dimension in the menu when a user opened a workbook created by other users; this was not required. The above properties are enabled even if the other user logs in, since the workbook has all the permissions.	16249698
Classic Client: Export to Excel	The export worksheet did not export column or row labels. In the export dialog, the options were not displayed. The cause is related to how the client was internally compiled. This is corrected and the export should export column and row labels.	14653040
Classic Client: Grid Display and Edit Cells	Math operations that are used to increment the value in a cell using a mathematical formula were not working. The condition to set the data was missing. The user is now able to perform all mathematical operations.	14738784

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client: Grid Display and Edit Cells	The synchronized worksheets were not working correctly in the client. Making a change in one sheet was affecting the other worksheet which was supposed to be synchronized. For example, there are two worksheets (worksheet 1 and worksheet 2) which are synchronized. A checkbox on worksheet 2 is clicked, and now it is active. Now, the cursor is moved to worksheet 1. The worksheet 1 becomes active, but still the checkbox on worksheet 2 is active. Now, when any changes are made on a checkbox cell (measure) on worksheet 1, even though the worksheets are synchronized, the checkbox cell on worksheet 2 is not getting repainted or updated properly. The resolution to this is that when the cursor moves from one worksheet to another worksheet window, the active cells on the deactivated worksheet window are made inactive. In this way, there is no active cell locking and the cells are updated properly.	14796683
Classic Client: Grid Display and Edit Cells	Issues were found in the setting of the elapsed locks in workbooks where the calendar hierarchy contained the same position name across more than one dimension. The Classic Client looped over all the dimensions of the calendar hierarchy and set the elapsed lock for the first dimension that had a match with the position name. This iteration continued over all other calendar dimensions and set the elapsed lock where a match was found. Since the same position name got used for more than one calendar dimension, the elapsed lock setting should be done from the innermost to outermost calendar dimension which had a match with the position name. Otherwise, more was being elapsed than required. The dimension name, as well as the position name, is now used to ensure correct calculation of elapsed periods.	16184712
Classic Client: Grid Display and Edit Cells	A saved workbook should maintain the position that was previously saved into the slice position. When a user saved a workbook after changing the position, it defaulted back to the first position in an alphabetical sort for the hierarchy. When opening the workbook, RPAS parsed the workbooks xml file and during the parsing, it skipped redundant white spaces in the top left tag value. But the top left string is constructed with a double space between two dimensions. The resolution is that the string is constructed with a single space between two dimensions and the logic is changed to read as per the new string style (single white space between two dimensions).	16344790

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client: Grid Display and Edit Cells	Issues were found when selecting multiple columns in a worksheet. In any worksheet with multiple columns, keep the Ctrl key pressed down and select three columns. Then, deselect the Ctrl key and click on the last column that was selected. The expected behavior is that column 3 gets selected while columns 1 and 2 get un-selected. However, column 3 was getting un-selected and the first two columns were remaining selected. The code to un-select, which already selected single node (not with multiple selections), was getting triggered in this scenario causing the wrong behavior. An additional condition is added to trigger the code only if the number of selected nodes is one. This resolves the multiple selection issue.	16507421
Classic Client: Locking	When a measure at a higher intersection was locked at an aggregate level, all the cells of the measure at the lower intersection were locked. The map function was not correctly mapping the worksheet intersection with the modified intersection if the worksheet intersection had fewer hierarchies compared to the modified intersection. The condition is removed and now locking should be working correctly.	14663831
Classic Client: Miscellaneous	The menu code was getting the first visible node for the dimension. However, when the dimension had no visible nodes, 0xffffffffff was used as the index. The index was used to get the node out of the array without checking the bounds. In 13.3.0, changes were made in the client to refactor the way nodes are fetched. In some places, a version of the function that does bounds checking was used. In other places, a version of the function without bounds checking was used for performance. Getting the first visible node was a place where the bounds checking was needed, but was not being used. Now, when getting the first visible node in a tree, bounds checking is performed on the node index in case no nodes are visible. The same fix is also made in the page breaking code for printing.	15986163
Classic Client: Miscellaneous	Some context menu (right-click) commands use the clicked dimension. However, if all dimensions were collapsed, the index for the clicked dimension became 0xffffffffff. When this index was used to get the dimension object, an invalid memory access occurred and the client would crash. The resolution is to disable the Find..., Select display/sort attributes..., and Range by alerts... menu commands in the context menu when all dimensions are collapsed. These commands need a dimension to function.	16037389
Classic Client: Performance	The workbook calculation performance was poor while using the FILL option. The problem was in the client. When using the FILL option to edit the cells in the client, even when the measures default spread type and FILL dialogs spread type options were the same, the bSmartEdit flag was set in correctly. This was causing an extra spreading operation on the server which was causing the performance issue. Now, the bSmartEdit flag is set properly.	14788709

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client: Rename Workbooks	The rename workbook dialog window was not getting closed when user clicked OK. The window remained open until selecting cancel or clicking the X on the top left corner. It was originally designed to work like this. An Apply button is introduced in the rename dialog box. This lets the user rename multiple workbooks by keeping the dialog box open. The OK button operation now renames the workbook and closes the dialog box.	14775220
Classic Client: Show Hide - Positions	Several weeks that were hidden using the Show/Hide functionality were still visible. The hide function was having trouble finding visible nodes and therefore it would not allow hiding the selected nodes. The hide function is fixed so that it can find all the visible nodes and hence it will allow hiding the selected nodes.	16230329
Classic Client: Translation	Opening a workbook was not refreshing recently loaded labels from the language database. This is fixed to get the labels from the language database, even for already built workbooks. This happens at workbook open time.	13976591
Classic Client: Wizards	When a node in the right tree was selected, the PositionQueryDefinition which stores the selections for the page, was updated and the right tree was refreshed. The refresh caused the tree to be cleared and repopulated, thus losing the selection. Because of this, the user was not able select a position in the secondary tree. This is corrected. The remove positions command on the right-tree works correctly; removing the selected positions if there are selections or removing the focus position is there are no selections.	14738922
Classic Client: Wizards	In the wizard, if the available list was rolled to a non-leaf dimension, it would not deselect the selected position in the selected list. The selected list would always store the positions at the leaf dimension level. When a user selected a position at a higher level, it could not compare it to a leaf position in the selected list. Now, a list is created of all the leaf positions of the selected position and compared with the selected list.	16507910
Classic Client: Worksheet Position Queries	When there are two hierarchies on the z-axis, issues were found with scrolling functionality when position queries were utilized. When hiding one hierarchy, the user was not able to scroll through the other hierarchy. This situation is resolved.	15902095

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client: Worksheet Windowing	The user was unable to select the correct window using the Menu option Window and selecting More windows. If the user selected any one window from the windows list that appeared, the selection became random and the selected window did not display. This was found to be related to two different issues. First, when opening a workbook, the windows were shown but none of them were set to active. Second, when opening a workbook and after the windows were shown, the first tab was pressed by the code. This caused the tab change handler to execute with the first tab being both the old tab and the new tab. However, there was code to hide all windows in the old tab, so all the windows were becoming hidden. Then, the first window was being displayed again because it does not allow for all windows to be hidden when opening the workbook. This gave the appearance that the new windows were being hidden, when in fact, all but the first window were being hidden.

The resolution is that when the workbook is being opened, the windows must be activated, not merely shown. Also, when tabs are changed, the code accounts for the old tab and new tab being identical; the windows that are not in the new tab are hidden instead of hiding the windows in the old tab. | 11938708 |
| Classic Client: Worksheet Windowing | After opening a previously saved workbook, the user encountered worksheets that were displayed on the incorrect tab. This was found specifically when worksheets were maximized on a given tab before it was saved. The client is updated to correctly hide the maximized worksheets in the non-current tabs. | 16537375 |
| Commit | Committing a zero value did not work for some measures although the commit was successful. In a particular situation in commit, the engine decided to loop both the source (workbook measure) populated cells and the destination (domain measure) populated cells. However, if the domain measure array did not conform with the condition measure, the loop failed without error and skip cells were reset back to the NA array in the workbook version. The value that was set back to NA from workbook was not getting committed to the domain. When ArrayA did not conform with ArrayB1 and ArrayA was the destination array, the array mode was changed to non-sequential write and caused the pop key to end before the start, leading to some NA value of the source measure not committing. This is corrected and the user can commit NA values to the domain. | 16427042 |

Affected Component	Fixed Issue/Defect	Defect Number
Commit ASAP	When a pending commit ASAP request existed for a given workbook, any subsequent commit ASAP requests issued by the user for the same workbook were failing. This also left the temporary invisible ASAP workbook un-deleted. What should happen is the pending commit should be removed and replaced with the new request for the same workbook. Issues were found in how the workbooks were being read into memory and how the queue entries were read from the database. Now, the cache memory is freed before restoring the workbook. The following cases work fine. First, if a user attempts to commit a workbook that already has a process in the queue, the original processes in the pending queue are removed from the queue. If the job is already in the working or waiting queue, it is not removed. This means that the first job submitted is already in process. Second, the temporary _asap workbook is not left un-deleted.	16532086, 16532143
Configuration Tools	Upon executing a custom menu, the following error was being thrown upon transition to the calc rule group: "RuleException: Configuration Error! Recalc measure xxxxx does not have a recalc expression." Upon investigation, it was determined that an un-validated configuration error was the cause of the issue. The Menu Panel in the workbook tool did not properly validate the fact that the measure set to be the message measure for a custom menu item did not exist in the domain. This missing measure caused the problem. Because the problem was caused by a piece of mis-configured content, no change is made to the RPAS Server. However, validation is added to the menu panel of the workbook tool to report when the value set as either the message or condition measure does not correspond to the name of a measure that exists in the domain.	16473270
Configuration Tools: Hierarchy Tool	Under certain circumstances, users found that they could not change the RPAS name attribute of a dimension (or hierarchy) to be the same string as the tools name. Doing so is not invalid and is common; however, upon attempting to do so, the Configuration Tools would issue an error saying that the name was in use. Upon loading a configuration, the names of all hierarchies and dimensions are used to populate a lookup table used to prevent duplicate names. There was an error in this caching that would cause the tools name of a dimension to be cached as the RPAS name. Subsequent attempts to use the string would then be flagged as invalid. The Tools name is no longer incorrectly cached as an RPAS name. This should prevent the incorrect validation.	14498293

Affected Component	Fixed Issue/Defect	Defect Number
Configuration Tools: Layered Configuration	When using the Configuration Manager to merge changes involving the standard wizards of a workbook, users would experience cases where the resulting configuration would contain workbooks that would not build. The merged changes would result in multiple wizards with the same order attribute (that is, two wizards that both claimed to be the second one). This duplicate order caused the workbook build issues. It is now no longer possible for two wizards to have the same order. Therefore, there are no longer any overwrite issues such as experienced after the Configuration Manager merge.	16004537
Configuration Tools: Workbook Tool	Users making changes to the hierarchies present in a workbook using the workbook hierarchies panel would notice that the DPM panel did not change to reflect these changes (that is, dimensions removed from the workbook would still be present in the DPM panel). The user had to reload the workbook (by selecting a different workbook and then coming back to the modified one) in order to see the DPM panel update. The DPM panel was not handling the event notification about the changes in the Workbook Hierarchies panel correctly. As such, it did not update the tree upon these changes. The event created when the hierarchies of a workbook are modified is now handled by the DPM panel, and it should update properly.	14652486
Configuration Tools: Workbook Tool	Users creating workbook-only dimensions in configurations containing large amounts of workbook-only dimensions would eventually see that the default names for the new workbook-only dimensions had names longer than four characters (the maximum limit for dimension names in RPAS). Default names are created using a prefix and a counter. In this case, the prefix is "dH". As more and more dimensions are created, the counter keeps incrementing until it hits 100 at which point the default generated name is "dh100", a five character string. The name generation algorithm is altered so that it begins truncating the prefix to avoid overlong names. The name generated after "dh99" is now "d100". Note that in extreme cases, it is still possible for generated names to exceed four characters as d999 will be followed by d1000. In such cases, users will still be required to supply their own names.	14834864

Affected Component	Fixed Issue/Defect	Defect Number
Configuration Tools: Workbook Tool	Users that performed the remove dimension operation on a dimension that was the modified dimension of a dynamic roll-up would see the dimension removed from the workbook. However, the dynamic hierarchy entry associated with the dimension would remain. This was a validation error. Users were prevented from performing certain operations within the tool. When this occurred, the user was notified of the problem and told how to resolve it, if resolution was possible. The use of the dimension in a dynamic hierarchy should have caused such a validation message. The user is now given a message informing them that the dynamic rollup, of which the dimension is part of, must be removed before the dimension is removed from the workbook.	14834996
DPM	When adding a new DPM position on the parent of the modified dimension that caused a rollup conflict in the domain, the server replaced the position at the modified dimension to a system-generated position but retained the user submitted label. This caused confusion when the user built a non-dynamic workbook. Now, the "(Generated)" suffix is added to the user submitted label indicating the position is system-generated.	14705673
DPM	Adding a position to a dynamic-modified dimension, including a workbook-only dimension, through workbook DPM would fail if the position defined in the measure contained trailing or leading spaces. Leading or trailing spaces are put to the dimension registry as position name. Now, all position names are trimmed before adding to the dimension registry.	14745403
Fusion Client: Activity Taskflow	Selecting cancel in the select domain dialog when in the workbook page of an unsaved workbook was causing an error. There was no workbook in context any longer, so the user should have returned to the home page. Now when cancel is clicked, the client does not automatically open the previous workbook when there is none. Instead, the user is prompted that they are returning to the home page because there is no workbook in context.	14849885
Fusion Client: ADF/Fusion UI	Whenever a user performed a pivot swap after entering a value in the outline view on an aggregated level and did not calculate before the pivot swap, the value from the edited cell was being pushed to all cells on the worksheet. This issue is fixed.	16440113

Affected Component	Fixed Issue/Defect	Defect Number
Fusion Client: CDT	On a newly installed domain, when the user changed the selection on the CDT Explorer, the client marked CDTs as edited even when they were not. When the user changes selection on the CDT Explorer, the client checks to see if the CDT was modified and marks it for save (if it has changed). To identify if a CDT was modified, the client compares the XML string from the CDT Editor to the one on the server. For loaded CDTs, the XML formatting was different than what was generated by the parser and got marked as modified. The CDT Editor is changed to maintain the modified state and trigger save XML only when a user changes the CDT tree. AcceptXML should be set as true only for CDTs that are modified in the CDT Editor. The user should only see modified CDTs processed when AcceptXML is run.	15868574
Fusion Client: CDT	When a user clicked the menu icon of a CDT node on a new CDT, it ran into a Partial Page Refresh (PPR) exception. This happened only if the user navigated to DimPopup on a previous workbook just before opening the CDT Editor. On the cancel of DimPopup, certain models were not correctly reset. Code is added to reset the associated page fragment on cancel.	16601283
Fusion Client: Custom Menu	The Fusion Client resulted in a NullPointerException when a user with special characters in the user name performed a custom menu operation. The null pointer exception was thrown when the client tried to get the last commit status. In the client, the workbookConfig object which contains the workbook details was NULL. The workbookConfig object was not populated. The issue was happening when the user name had special characters. When there are special characters, the user name and the user ID will be different. If the user name has special characters such as sp.user, then the user ID is system-generated and will be something such as "uid1". This works as a mapping as the user's workbook directory cannot have special characters as it is an operating system restriction. During the process of getting accessible workbooks, the user name and user ID were compared instead of comparing user IDs; this was creating the issue. Changes are made to find the corresponding user ID of the user name for validation and now there are no null pointer exceptions.	15850686
Fusion Client: Cut/Copy/Paste	A null pointer exception occurred when Copy to External was executed with a blank drop-down value when no NA value was defined for the measure. There were also other problems with copying blank cells. Copying single cells where the last cell was an empty cell did not copy/paste the last empty cell. Additionally, Copy to External of single cells, where the first cell was an empty, cell did not copy the first empty cell. The client was assuming the value of the cell was non-null and this caused the NullPointerException. The null pointer exception and other issues described around copying blank cells are fixed.	16018886

Affected Component	Fixed Issue/Defect	Defect Number
Fusion Client: Domain Transparency	The Select Domain dialog did not always list positions in alphabetical order. Positions were being sorted by position name not label. The sort criteria is updated to use the position labels rather than the name.	15960267
Fusion Client: Edit Cells	Certain measures that should be editable were not in the Fusion Client. These measures were on worksheets that contained hierarchies that were not part of the measures base intersection. The client was not taking into account the ALL level when comparing cell intersections. The code is modified to include the ALL level while comparing cell intersections. Now, measures are editable when they are configured to be editable.	16485724
Fusion Client: Find	The dialog-enabled Only Within option was found even after pivot-table selection was cleared post-hiding a level. The implementation incorrectly overrode the current pivot-table selection state to that from the context menu. It is fixed to pick the context menu state only when it is for the page edge. In other cases, the current pivot table selection state is retained.	15864100
Fusion Client: Fill	When the product dimension was on the page edge and a level higher than the base level was selected, the fill dialog did not have the spread method enabled and was also defaulting to replicate. The logic that disabled the spread did not take dimensions on the page edge and was only using dimensions on the other edges (row and column). Also, since integer indexing, the spreading methods had changed to lower case and the client was still using upper case to look up the spread method. The logic that disables the spread is changed to include dimensions from the page edge. Also, the spread methods are changed to look up from upper case to lower case.	16202837
Fusion Client: Fill/Clear	The clear popup dialog did not display the required levels in the drop-down when multiple levels were selected. The clear/fill functionality was using the dimension name and position name to identify a position. This was valid before RPAS was changed to use indexes when a name was unique in a dimension. The dimension name and position name cannot be used to identify a specific position. The clear/fill functionality is changed to use the complete position structure and not the dimension/position name pair.	16321739
Fusion Client: Formatting	The Fusion Client was not displaying dates in the format configured by a user through the Regional and Language Settings. This was a problem which was hard-coding the date format as %m%d%Y and setting the LocaleInfo date format to this pattern. The code is changed to get the default date format pattern for the current locale and use that to set the LocaleInfo's data format.	13795910
Fusion Client: Grid Display	Resizing the column header row vertically was causing rows in the pivot table to mis-align. This issue is now fixed.	16634722

Affected Component	Fixed Issue/Defect	Defect Number
Fusion Client: Help	When the Online Help was generated for the Fusion Client, the level was set differently than previous versions. In the previous versions, the Online Help was at the chapter level but it was set to the topic level in later releases. This resulted in the creation of a lot more help files and this caused the Fusion Client Online Help to not display files below the Table of Contents level. This is fixed and the Online Help should be visible.	15925679
Fusion Client: Locking Positions	The elapsed lock now reflects properly even when position names are not unique across levels within the calendar dimension.	16445871
Fusion Client: Logging	The Fusion Client now provides rolling appender for logs. This helps to create a daily log file rather than one huge file.	16709218
Fusion Client: Measure Profiles	After changing Dimensions to another axis, changing the measure profile produced the error "Operation failed. Please contact the System Administrator". It was throwing an error because it could not find the measure dimension. This is resolved.	14786432
Fusion Client: Measure Profiles	The Fusion Client gracefully handles the condition where all measures are hidden and there is no default measure profile in a configuration.	16409641
Fusion Client: Miscellaneous	The Fusion Client log in the log4jconfig.xml, that ships with the Fusion Client, was called rpas.log which caused confusion with other server side logs. The installer is updated to change the log file name to rpas_fc.log.	15917508
Fusion Client: Pivot Table	Picklist values show correctly.	16705727
Fusion Client: Print Export	Clicking pagesetup from the export dialog loads the page setup within the smaller dialog causing the scroll bars to appear. The user had to scroll in order to find the OK button to close the page setup dialog. The export-print taskflow and page setup taskflow are independent taskflows and the width of the pagesetup is more than the launching taskflow (export-print) which causes the scroll bars to appear. The user interface is changed to load pagesetup, along with export, avoiding the call to the pagesetup taskflow.	16582216
Fusion Client: Protection Processing	Some protected measures were not protected and were editable. This was seen after applying a measure profile from the toolbar. After new measures were shown or hidden, measure protection processing is required to be executed. The case where the measure profile was changed from the toolbar, this was not done. Measure protection now is run after the measure profile has been applied.	16562212

Affected Component	Fixed Issue/Defect	Defect Number
Fusion Client: Taskflow	When travelling from one step to another within the same task, the user could see the "Opening workbook…" splash screen. The workbook was being unnecessarily reopened. The check for the same workbook involved comparing the domain paths of those workbooks. Sometimes, different versions of the same paths from different sources were getting sent. Code is added to normalize the domain paths that come from the server. This consists of replacing "\" with "/". Now a user does not experience unnecessary workbook opens when navigating steps.	14676757
Fusion Client: Taskflow	Selecting Cancel in the workbook building wizard does not cause an exception.	14849885
Fusion Client: Taskflow	Building a new Admin workbook, after navigating away from a dynamic task, threw a null pointer exception while trying to restore the taskflow to its initial state (that is, hiding steps for the dynamic task). For an Admin workbook, the selected item was a null pointer as it was trying to read the taskflow list from the selected item. A check is added to see if the selected item is not null before altering its steps. This resolves the issue.	16230126
Fusion Client: Translation	Users should be able to save a position list as a favorite in a workbook wizard in any of the supported languages.	16616359
Fusion Client: Wizards	Sorting of the column headers was not happening correctly on the wizard. Scrolling after a sort led to runtime exceptions being thrown on the page. There was a recent performance enhancement to maintain a cached map of key to index for quicker lookup. This cache had to be cleared each time the ordering of the rows changed. After a sort, the map had to be rebuilt since the row ordering had changed. Code is added to clear the cache after sorting either through the dimension popup or sorting on column headers.	15980162
Fusion Client: Wizards	The apply button on the Wizard dimension popup did not get enabled when selections were changed using drag and drop. The underlying technical architecture did not report the event in this scenario. The issue is resolved by using an explicit partial refresh of the button bar. The user should see the apply button enabled, as expected, when selections are changed using drag and drop.	16294592
Fusion Client: Wizards	When a user made a product selection in the workbook wizard and then removed the position, they were still in the workbook. A bad comparison was made in the client which resulted in the positions not being deselected. This is corrected. The items removed from the wizards selected list do not show up in the new workbook.	16311964
Fusion Client: Wizards	The ClassCastException that occurred when adding a large number of positions to the wizard's selected list is fixed.	16404926
Fusion Client: Workbook Open	A connection issue on HPUX is fixed.	14701403

Affected Component	Fixed Issue/Defect	Defect Number
Hierarchy Loading	Reclassification that takes place as part of the hierarchy loading process was taking too long to complete. The reclass logic is reworked. The arrays are now accessed sequentially for both read and write as much as possible. Also, different logic is used with different populations on the source arrays. This results in significant improvement in the performance of the reclassification process.	16452486
Hierarchy Loading	When reloading positions of a hierarchy with the loadHier utility, user defined dimensions (UDDs) based on the root dimension of the hierarchy were reset to UNASSIGNED. The loadHier utility assumed the root positions in the input file to be new positions and set the UDD to UNASSIGNED. The utility is updated to check the existence before setting the UDD position for the root dimension.	16597771
Java Special Expression	A Java special expression ran out of memory. Setting the environment variable RPAS_JAVA_ MAXHEAPSIZE did not handle the memory issue. The Java special expression was creating a lot of IterativeAccessor interfaces and CellAccessors objects. These objects have a one-to-one mapping with supporting C++ objects. It was these C++ objects that were the root cause of the Java special expression running out of memory. Several updates are made to the Java special expression library in order to handle the issue. The Java special expression documentation is updated to provide details on the changes.	16443519
ODBC	ODBC queries were failing. A query of the dim_dim table failed with an invalid name error. In the dim dimension, three of them had no rollup positions: wbq, rule, and expr. In constructing the dim_dim table, the ODBC driver needs to fill the hier and hier_ label columns for those positions, but failed due to the fact that their roll-up hier was an empty string. The dimension table code is updated to make exception for the dim_dim table.	16382905
RPAC	The RPAC tag assert-workbook-measure-exists was throwing an error. It should execute without any errors if the measure exists in the workbook. The exception was thrown as there was no current transaction. The transaction is now initialized before accessing the measure instance and RPAC test users can do workbook measure assertions properly.	16345197
RPAS: Domain - Installation and Patching	The CreateGlobalDomain utility failed when specifying globaldomainconfig.xml which contained subdomains in different paths when called as part of the rpasInstall process. During the creation of the skeleton subdomains, the code initialized the subdomain before setting the properties master_path and domain_type correctly. Domains are now able to be created with subdomains in different paths.	15867155

Affected Component	Fixed Issue/Defect	Defect Number
RPAS: Domain Patch	When patching a domain with a configuration where measures have been removed, the database files for the removed measures were not removed from the domain. This happened in a global domain environment. The measure database folders got removed from the master domain, but did not get removed from the local domains. The master domain folder path was added to the top of the list of databases that needed to be removed. Since the master domain was removed first, local domain removals failed. Now, the master domain databases is only removed after all the local domains.	14822082
RPAS: ODBC	Using the RPAS ODBC driver, some SQL queries of labels returned internal position names instead. When the query was in a pass-through mode (for a table join), an out-of-date interface to obtain position labels was called which only accessed the master domain for label translation. If the position was on a dimension below the partition dimension, the label translation was only in the local domain and this old interface was not able to find it and returned the internal position names. The ODBC driver code is modified to use a new interface to get position label translation. The ODBC query now returns the correct position labels instead of internal position names.	15868487
RPAS Server: Java Extensions	The IterativeAccessor interface did not work as expected once it's objects member function next() returned false. The InterativeAccessor interface was designed to iterate over the data once. In the current implementation, the use of the interface once the member function next had returned false was not defined. The interface implementations are changed to throw an exception for all member functions once the next member function returns false. Only member functions like toString, depose continue to work as expected when next returns false. To go over the same data again, get a new version of the IterativeAccessor interface object.	16514744
RPAS Server: Templates	Issues were found in the wizard that use prerange masks. Build a workbook that uses prerange masks with one of the partition dimensions as an intersection on any local domain. The mask measure must have positions selected across multiple local domains. The workbook does not need to be built fully. Without logging out, build the same workbook template on the master domain. On the wizard that contains the partition dimension, the positions shown in the list did not contain positions other than the positions in the subdomain that was initially selected. The template cached the prerange intersection from the initial domain. That intersection's dimension space is later used to build the cached prerange measure. Since it was first cached with local domain dimension space, later array creation did not have the correct list of positions. Therefore, the positions returned to the client did not change. Now, the client detects that the domain has switched and recreates the intersection.	15829589

Affected Component	Fixed Issue/Defect	Defect Number
User Administration	An admin user was unable to modify dimensions in the Hierarchy Maintenance Workbook until permission was granted explicitly through the Security Admin Dimension Modifications Rights workbook. The default rights for dimension modification for admin users was false. usermgr is updated to set the default value to true for any newly added user.	15949432
User Administration	The Add User wizard did not validate if a primary user group had been assigned to a new user. When an administrative user attempted to do this, an exception was raised (error popup displayed to the user) but the user was returned to a functional Add User dialog. This gave the impression that nothing really went wrong, but the following functionality was rendered unusable once this happened: Security Administration Template and User Manager utility with -exportXml. The underlying failure was the creation of a user with no group. The default selection for default groups list was not being sent from the server to the client. Now, the first group in the default group list is set to be selected by default.	16329462
User Maintenance	The following exception was thrown when trying to delete a user group: "WorkbookFinishException: The user group was NOT deleted: IllegalPositionName: Array 'usergroup' does not contain the '0' position in the 'user' dimension…". Positions were present in the dimRegistry, but values for those positions in the dim_user were NA. During deletion of a group, the user to group mapping array usergroup was used. The position name (NA) Empty was fetched from dim_user and when trying to delete the empty position in the usergroup array, the exception was thrown. Now, when the user details cells are NA values (empty), they are skipped and a warning message is logged.	14466127
Utilities: Convert Domain	When convertDomain used an absolute path for the -genUnlinkedList argument, it failed when the utility was finishing up. The utility was assuming the argument was a file name and passed it to the child processes multiple times to create multiple temp files. However, when it was a full path, all those temp files pointed to the same file and caused a contention issue and file open failure. Code is added to handle an absolute path for the -getUnlinkedList argument.	14823069
Utilities: Copy Domain	When copyDomain -export is used to convert a UNIX domain to NT, it only copied the seq file in .private/sequence, but did not convert the content to the correct order. The files in .private/sequence were only copied and not converted. This is corrected.	14785907
Utilities: Copy Domain	Using copyDomain to copy a domain with subdomains that are outside of the master domain directory and without using the -xmlConfigFile switch, these subdomains in the destination copy did not have the correct masterpath.cfg in the dimension registry. The utility was only copying the file and did not update the path. It is corrected to update the path after the directory is copied.	14785940

Affected Component	Fixed Issue/Defect	Defect Number
Utilities: Copy Domain	An error occurred when trying to use both the -skipConfig and -skipInput options together for copyDomain: "loadHier caught Exception: No directory for domain xml configuration file." When calling loadHier to trim the partition hierarchy, it updates files within the config directory and these were no longer in the domain. The -skipConfig option from the copyDomain utility has been removed so this issue does not occur again.	15872810
Utilities: Copy Domain	The input/processed directory was not created for local domains when running copyDomain if the input/processed directory in the source domain was empty. The log showed the directory was skipped. When the directory was not empty, it was copied as expected. The impact of the missing directory was that loadmeasure failed. With the -xmlConfigFile option, subdomains were copied at a different location in the coded. Without the option, the value of the input parameter skipEmptyDir was found and used correctly. But with -xmlConfigFile, the value of skipEmptyDir was not checked for subdomains and instead true was always used. Now, the correct value of the skipEmptyDir option is used while copying subdomains with the -xmlConfigFile option.	16404454
Utilities: Hierarchy Loading	When using CSV as the load file format with the label enclosed with double quotation marks, spaces within the quotation were not properly parsed. In the CSV parser, spaces were being ignored after the quotation starts. Now, if the token is started with an open quote, spaces are treated as normal characters.	14726412
Utilities: Hierarchy Loading	When any position was moved from one partition position to another partition position within the same subdomain, rpasDataMoverServer (processes greater than 1) was still being called even though there was no data moving activity. The reclass function did not check the subdomain path and only checked whether it had been reclassed to another partition position. The utility is updated to check for the subdomain path before creating the reclass dependency map which triggers the rpasDataMoverServer call.	14733092
Utilities: Hierarchy Loading	Issues were found when running the loadHier utility with the forceNAConsistency flag. The first time a hierarchy file was loaded, the utility failed on the inconsistentNAHandler process. When the same process was run again with the same file, it worked fine. The inconsistentNAHandler failed while fixing the NA values for the new positions. When adding new positions to the dimension with the forceNAConsistency option, inconsistentNAHandler threw an exception saying position A does not exist in dimension B even though position A was not added to dimension B. The tracking array name was not correctly set and got the name mixed into a single array. The array name is fixed and the issue is resolved.	14736303

Affected Component	Fixed Issue/Defect	Defect Number
Utilities: Informal Position Manager	The informalPositionMgr utility moved processed files into the processed directory under the source directory and not under the input directory of the domain. The utility is updated to move the process files into the standard processed directory.	15860149
Utilities: Load Measure	The loadmeasure utility left more staging arrays in the staging database than the number specified in the loadstokeep measure attribute. The wrong calculation was being performed. The number of loads kept was one more than the loadstokeep attribute. For non-stageonly measures, the loadstokeep attribute is ignored and is always zero. The cleanup is fixed to keep the correct number of staged loads.	13003901
Utilities: Load Measure	The loadmeasure utility failed in multi-process mode if the data file contained non-parseable lines. This behavior is only observed with loads with multiple small input files. When it is called with multiple files, the error code became the number of failed lines. To recreate, create a couple of malformed ovr files for a non-higher based intersection measure. Trying to load that with a single process, loadmeasure succeeded. However, with multi-processes, it failed. The resolution is to continue to return a success code, but output the malformed data lines as warning messages.	16165727
Utilities: Mace	Problems were found when running simple rule groups using the mace utility. Mace did not allow executing a rule group consisting of non-higher based intersection (HBI) measures from the master domain for the following reasons: ■ Even though the rule group contained only non-HBI measures, mace was not designed to run it from the master domain and spawn it across local domains. This required too many checks to make it work differently for special expressions, as sometimes the special expressions can take more than one left hand side measure, some of them can be HBI, and some non-HBI. ■ It is not a properly configured rule group if the expressions in the rule group have both HBI and non-HBI measures which need to be evaluated. RPAS may not be able to detect this at the time of configuring the solution as the partition dimension can be changed in the globalDomainConfig.xml. ■ The rule group may contain special expressions and regular RPAS expressions (as in the two previous bullets) that adds to the complexity of the rule engine to properly evaluate these expressions when run from the master domain. ■ The above restrictions do not apply when mace is run on a single expression where the left-hand side (LHS) can be a HBI or non-HBI measure.	16036821

Affected Component	Fixed Issue/Defect	Defect Number
Utilities: Mace (continued)	There is only one situation where a rule group can be run from master domain and that is when all the LHS measures of the expressions in the rule group are HBI measures. This type of rule group cannot be run from local domains and needs to be run from the master domain. Proper validation is added to the mace utility to identify these conditions, flag them to the user, and exit gracefully. The following validations are added: ▪ If mace is executed against a master domain and the executing expressions within the rule group contain non-HBI measures on the left hand side of an expression, excluding special expressions, mace will exit with an exception. ▪ If mace is executed against a local domain and the executing expressions within the rule group contain HBI measure on the left hand side, excluding special expressions, mace outputs a warning message but the execution continues. The end result is that mace cannot execute a rule group that contains non-HBI measures on the LHS against the master domain and provides a warning when running a rule group with HBI measures on the LHS against a local domain.	16036821
Utilities: Reindex Domain	The reindexDomain utility defragmented the dimensions even when there was no need for defragmentation. When there was no need to defrag/reindex, the dimension registry was copied from the old dim registry. While recopying this dimension entry, there was a mismatch in the variable that stores the dimension to be reindexed. So, the dimension which did not need reindexing/defragmentation were getting reindexed. Now, the correct variable is used to find out the dimensions to be defragged/reindexed.	16370449
Utilities: RPAC	RPAC was not setting domain measures when the measure was HBI and RPAS was run on the local domain. The code was not adjusting as per the measurestore where the set-domain-measure tags were used. The utility is changed to fetch the mapping array from the correct measurestore when the measure is HBI and RPAC is running on a subdomain.	14081603

Affected Component	Fixed Issue/Defect	Defect Number
Utilities: RPAC	Two problems were found with the RPAC utility: ■ The RPAC tag clear-domain-measure-list would clear an HBI measure when RPAS was run on the global domain or any local domain, but the tag failed to clear non-HBI measures in all cases. If run on a local domain, it only cleared that local domain. If run on a global domain, it did not clear anything. In both these cases, it needed to clear all data. ■ The RPAS tag set-domain-measure would set an HBI measure when RPAC was run on either the global or local domain. It would not set non-HBI measures when run on the global domain. It needed to set it at the appropriate local domains. The clear-domain-measure did not check for HBI/non-HBI type measures. It was clearing only the current domain measure array where the RPAC utility was run. Set-domain-measure was not able to set non-HBI measures when run on the global domain because it did not fetch the appropriate subdomain for a particular position. For clear-domain-measure, if the measure is non-HBI measure, the measure is now cleared in all the subdomains. If it is an HBI measure, the measure is now cleared on the global domain. For set-domain-measure, if namedkeys are used to set a position, the measure value is set on that particular subdomain where the position exists. RPAC users are now able to clear the domain measures completely from the domain using the clear-domain-measure-list. Using namedkeys, set-domain-measure can be used to set a particular position of the measure.	14405168
Utilities: RPAC	The processing of quoted strings in the contents of the RPAS <shell> tag was inconsistent between NT and UNIX/Linux implementations. On NT, the system itself processes the arguments on the shelled-out process to remove outer quotes, replace the escaping on embedded quotes, and so on. On UNIX/Linux, this processing does not take place. RPAC is updated to correctly pre-process these argument strings only for UNIX/Linux environments. Also, for testing purposes, a parameter is added to the <shell> tag which writes output to a file.	15998922
Utilities: Workbook Batch	The RPAS utility wbbatch threw the following error when there were workbook auto build requests in different local domains: "wbbatch: caught exception UnexpectedCellType: An NA cell cannot be converted to a DateTime type!". The WBQ dimension was centralized from 13.3.0 onwards, so the WBQ dimension registry was present only in the master domain. There was a mismatch in the information stored in the master domain and local domains. Now, the WBQ dimension is decentralized. The name and status files are in the local domains dimension registry as well. The createGlobalDomain is modified to take the case of this while building a new domain. An upgrade module is written to take care of the existing domain during upgradeDomain.	14102982

Affected Component	Fixed Issue/Defect	Defect Number
Wizards	In the wizard, the product hierarchy showed the item Parent followed by the alerter roll-up tree Color/Color Group and only then came the main hierarchy followed by the other alternate rollups. The sequencing appeared to be alphabetical rather than what was defined in the configuration tools. This was only in the wizards and not the workbook. A map was used to cache the dimensions by the hierarchy manager which caused the dimension order to be sent out in sorted order. Now, the original order of the dimension names is saved and that order is used to pull out the dimensions from the map during batch processing to register the hierarchy.	14092395
Workbook Build	During the workbook build, an error occurs stating "ParseCsvException: Record contains more fields than output vector allows." This is reproduced in workbooks that have a base intersection that is at a higher level than the lowest level of the hierarchy. The server was not correctly passing all arguments to process. This is corrected and the workbook should build.	16422828
Workbook Build	After clicking the finish button on the wizard and before the workbook was created, there was an error RPAS Error: 23140. When changing the display attribute, both the Classic Client and Fusion Client may throw this error meaning that it was unable to convert string to date. The main cause was that when the display attribute included a dynamic picklist measure, RPAS skipped the attribute value for the not found value in the data array. This caused an array mismatch. The resolution is to put the cell value into the data array even though it should find the associated picklist item.	16566822
Workbook - Other	When creating a Measure Analysis workbook, selecting Sort/Display attributes in the wizard and selecting a visible attribute caused an error as follows: "IllegalPositonName: 'BUFITEM$000032F731A72564' not found in dimension 'ITEM' for ArrayNamedKey." The data was being retrieved from a subdomain where the position did not exist. When the attribute is a non-higher based intersection measure, the server now verifies that the position exists in the respective subdomain and retrieves the data.	14792430

Known Issues

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

Affected Component	Known Issue/Defect	Defect Number
Cell Locking	After locking some cells, the spreading of a parent cell is still drilling down to the locked cell when all the children cells are the NA value before the lock and edit takes place.	16634662

Affected Component	Known Issue/Defect	Defect Number
Classic Client: Cut, Copy, and Paste	When copying data to the clipboard from a worksheet to another one in the Classic Client, the RPAS client quits while the domain daemon is still running.	16781440
Classic Client: Hierarchy Rollup	After using Hierarchy Maintenance to update a user-defined dimension in the Location Hierarchy called Store Grouping 1, an error message resulted when attempting to go back into Hierarchy Maintenance. If in another workbook wizard, and there is an attempt to roll up to that dimension, an error results and the client closes.	16754638
Formatting	A workbook was built and formatting changes were made to various worksheets containing dynamic hierarchy dimension (DHD). These were saved as template styles. These styles were then copied to a new domain build. A workbook is built on the new domain that pulls in different consumer segments and, therefore, different DHD positions than the ones pulled into the original workbook. Since the styles include the DHD positions, when a worksheet is viewed which contains the saved styles' DHDs, even though those consumer segments are not in this workbook, a popup message appears indicating that the dimension is not in the workbook.	16717640
Fusion Client	When building workbooks involving custom wizards on the HP-UX platform, users see the "Unable to connect to RPAS" message. This issue will impact auto-workbook maintenance in general, Oracle Retail Demand Forecasting workbooks, and other applications using custom wizards. Customers on HP-UX intending to upgrade should contact Oracle Customer Support.	14701403, 14770077
Fusion Client: Cut, Copy, and Paste	When trying to use the copy option in Firefox version 19.0.2, the following error occurs: "Error. You need to set signed.applets.codebase_principal_support=true in about:config." However, issues were found even after making this setting. Firefox has disabled the use of this property in the latest releases. Users can continue to use copy/paste external for all their copy/paste requirements for now, but in the future, support will be added for server side copy/paste as well.	16483057
Fusion Client: Measure Profile	The measure profile selected indicator is missing when selecting a specific profile.	16627681
Fusion Client: Pivot Table	The measure labels, when pivoted from the column to the row edge, appear collapsed and unreadable.	16702055
Fusion Client: Search and Find	Searching for a text string match in the product hierarchy that is rolled up fails with a message stating "Fel Operation Failed. Please contact system administrator."	16740296

Affected Component	Known Issue/Defect	Defect Number
Fusion Client: Single Hierarchy Select	When defining a single hierarchy select measure in the Configuration Tools, the user previously specified a hierarchy and dimension. A new option now exists to determine whether to display all positions or display only informal positions. This is not currently working in the Fusion Client.	16492604
Fusion Client: Show/Hide Measure Positions	In the Show/Hide metric popup, unusal behavior for the Hidden Measure column is encountered after a hidden measure is selected to be visible. When a measure is selected from the bottom of the Hidden Measures list and moved to Visible Measures list, the scroll moves back up in the Hidden Measures list and vice-versa when selecting a measure from the top of the list where it scrolls down to the bottom.	16737139
Utilities: Export Measure	When using exportData on a Boolean measure, the file contains all FALSE values even though the array contains both TRUE and FALSE values. This only appears to be an issue when the NA value on the array is TRUE. If the NA value is FALSE, the export seems fine.	16798034
Utilities: Measure Loading	When loading a large measure file with the Clear method and processes greater than one, only partial data is loaded. It looks like the Clear method is clearing the clearint (as expected), but only the last process (which contains partial data) gets loaded.

The issue is not due to the way RPAS splits the large file into multiple smaller files, because this loads correctly with one process, even if the data in the intersection is split across multiple files. For example, if the int is Week and three days are in one file and four days in the second file, the data is still loaded for the week.

The issue only shows up when multiple processes are used. In this case, only the four days in the week are loaded. | 16775843 |
| Utilities: Reindex Domain | Reindex fails while running for prod, loc, and calendar hierarchies due to user workbook missing positions. | 16788063 |

Related Documentation

For more information, see the following document in the Oracle Retail Predictive Application Server 13.4.1 documentation set:

- *Oracle Retail Predictive Application Server Installation Guide*

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 (Doc ID 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 13.4.1 Cumulative Fixed Issues (Doc ID 1551549.1)

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

Previous Releases

For 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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For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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