

# Oracle® Retail Predictive Application Server

Release Notes

Release 13.4.2

E52308-02

January 2014

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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.

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**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.

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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.

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## 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:

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**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.

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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 <dopath> -dimSpec rule -force
```

or

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

or

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

or

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

or

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

or

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

## Functional Enhancements

The functional enhancements described below are included in this release.

### RPAS Fusion Client - Quick Fill, Fill Shortcut from Pivot Table Toolbar

To facilitate quick editing, users can use the Fill button on the pivot table toolbar and fill the selected cells. Quick fill takes the fill value from the top left cell from the selections and fills it to the entire selected cells. The Del key from the keyboard can be used to clear the selected cells. Users can revert their changes after Fill/Clear by invoking the Undo action. The Fill behavior from the pivot table toolbar is slightly different from the Fill edit menu option. For more details on this functionality, see the *Oracle Retail Predictive Application Server User Guide for the Fusion Client*.

## Technical Enhancements

The technical enhancements described below are included in this release:

### Software Operating Environment Upgrades

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**Note:** The list below announces the addition of Oracle Retail support for the technology described. See the Installation Guide requirements section for critical information, such as whether the enhancement below replaces previous versions or is supported in addition to already existing versions.

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#### Fusion Client

The following technology is upgraded.

- ADF version: 11.1.1.7.0 and patch 17739993
- Web browsers: Firefox ESR 24 and Chrome 30

#### Wizard

The two-tree shuttle in RPAS Fusion Client Wizard is refactored for performance and scalability.

### Noteworthy Defect Fixes

The following noteworthy defect fixes are included in RPAS 13.4.2:

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client - Copy/Paste	When copying 2 rows of grid data and trying to paste it, only one row was getting pasted. The client code was not properly keeping track of the number of selected nodes. Fixing the client code resolves the issue.	17249571
Classic Client - Grid Display	Attribute label width was not getting resized to match the measure column. When displaying attribute labels on the left axis, the position of the attribute labels after the first was off. The position of the attribute labels did not get adjusted for the width of the folder icons on the tree. Fixing the client code that was adjusting the attribute label positions to account for the width of the folder icons on the tree resolves the issue.	9693314

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client - Grid Display	<p>The color gradients for shading dimensions on the grid axis were too small and not noticeable. After building a workbook, when the rollup was changed on a hierarchy to a higher level and all dimension were displayed under that hierarchy, all the dimensions were nearly of the same color.</p> <p>For shading dimensions, the client creates color gradients from the axis fill color to a lighter tint of that same color. If axis fill color is light, then the range from that color to the light version of that color is small. When that is divided into many gradients, the difference between the gradients may become unnoticeable. That behavior, combined with the default color being light, makes it necessary for users to change the axis fill color in order for dimension shading to be useful.</p> <p>The client code is changed so that it now has a minimum difference between color gradients. The effective axis fill color will be darkened as necessary so that all the gradients will fit in the color space.</p>	16575821
Classic Client - Grid Display	<p>When a workbook is built that includes multiple worksheets within a workbook tab, a style is created with at least three open worksheets that overlap each other and one is selected to be in the foreground, the format is saved to the template by saving the changes only, the workbook is closed, and a new workbook is built, the foreground worksheet displayed is not the same one which was saved with the template. When the format is saved to the template, the z-order of the most foreground worksheet and the worksheet which was not yet restored/maximized were assigned a zero value. While opening the worksheets as part of the workbook build, the same Z-ORDER of these worksheets caused conflicts resulting in the display of the wrong worksheet. By assigning the numbers from 1 instead of zero for the Z-ORDER field of all the worksheets which have been opened from foreground to background resolves the issue.</p>	16754988
Classic Client - Grid Selections	<p>Users were unable to select measures on any workbook. The current selections were not getting deselected before the new selection was taken resulting in the current selection not showing up properly. Fixing the client code to clear the existing selections resolves the issue.</p>	17766882, 17758852
Classic Client - Mouse Drag Selections	<p>The user was not able to make grid selections by clicking and dragging the cursor over the desired cells. During the mouse drop operation, the previous selections were getting cleared when the mouse was dragged over the desired cells. Fixing the client code to retain all selections resolves the issue.</p>	17767250

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Classic Client - Print Settings	The radio buttons to select print scaling on the page setup window were not working as expected as users could select 2 radio buttons at the same time without any errors. There were a few places in the resource file where static text was placed between radio buttons, which caused the radio button group to be broken. Reordering the controls in the Page tab of the Page Settings dialog so that all the radio buttons are together without any other controls between them resolves the issue.	17576324, 17920519
Classic Client - Selections	Selecting cells using shift + select was not selecting the whole range. While doing the shift + select, if the user scrolled to the left or right, the starting cell row and column number were getting recalculated to refer to the visible portion of the window only. Fixing the client code to use the starting cell row and column number that got calculated initially resolves the issue.	17662697
Fusion Client, Charts	Once the bubble chart was plotted with two sets of data, it could not change to any other graph type. This issue is fixed.	18075937
Fusion Client, Cut/Copy/Paste	Users are no longer able to copy data to clip board directly using the Cut, Copy and Paste menu items in Firefox. They are required to use the Copy to External... and Paste from External... menu items for interaction with the system clipboard.	16483057
Fusion Client, Display/Sort Attributes	Users were not seeing the value for selected attributes in the wizard. This issue is fixed.	17515840
Fusion Client, Dim Popup	Scroll issues with Dim Popup are fixed.	16737139
Fusion Client, Dropdown/SHS	The width of the drop-down list box can now be increased by increasing the column width.	18089069
Fusion Client, Dynamic Positions	Users are not allowed to delete the only available dynamic position, by disabling the delete position on context menu.	17470454
Fusion Client, Dynamic Task	An IndexOutOfBoundsException occurred while opening/creating a workbook when dynamic tasks were involved. This issue is fixed.	17305621
Fusion Client, Export to Excel	Better exception handling is added around bad configuration of measures, which was leading to export issues.	16827382
Fusion Client, Export to Excel	An export to Excel issue with integer alert measures is fixed.	17389865
Fusion Client, Export to Excel	The issue with product column alignment when exporting a workbook with dimension formatting is fixed.	17809583
Fusion Client, Export to Excel	Fusion Client was hanging after an export to Excel in Chrome. This issue is resolved with the ADF 11.1.1.7.0 upgrade.	17892511
Fusion Client, Fill/Clear	The handling of the Clear action for String type measures is fixed.	17938114

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Find	Usability improvement on the Find feature. When users entered text to find in the worksheet, they would have to click the Find Next button. They can now click the Enter key after entering text.	17410164
Fusion Client, Formatting	Users now see the background color, set in the configuration tool/format-dialog, overwrites the setting for protected measures when the domain property meas_fillclr_precedence is set to TRUE.	16835221
Fusion Client, Images	A configuration option is introduced through valid.image.url.hosts in rpasConfig.properties to safeguard which images get uploaded.	17710760
Fusion Client, Login	Users were getting randomly kicked out of the Fusion Client session. This issue is fixed.	16935933
Fusion Client, Measure Analysis	In Fusion Client, aggstate was still writable if aggstate was set to read-only and basestate set to write. This issue is fixed.	17750181
Fusion Client, Picklist	The RPAS server exception for special characters in a picklist is handled and the appropriate message is given to the user.	16858770
Fusion Client, Pivot Table	With the ADF 11.1.1.7.0 upgrade, there is no misalignment between the row headers and their corresponding information, after reducing the width of the parent dimension.	14018239
Fusion Client, Pivot Table	A null pointer exception occurred when navigating away from a worksheet that had a validation exception on the pivot table. This issue is fixed.	17069012
Fusion Client, Pivot Table	Users can now calculate even when find popup is open.	17424018
Fusion Client, Pivot Table	Pivot swapping during a cell edit resulted in all cells to be filled in with that value. This issue is fixed.	17814540
Fusion Client, Pivot Table	A validation related popup error gets dismissed when the user clicks ok. Previously, the popup was being dismissed in a flash.	17851836
Fusion Client, Print	The print dialog is dismissed correctly in Chrome after upgrading to ADF 11.1.1.7.0.	16680003
Fusion Client, Show/Hide	After hiding specific Calendar positions in a workbook (that is, a particular Month or groups of weeks) in the Show and Hide dialog box, Fusion Client was hiding time periods that were not hidden by the user. This issue is fixed.	17328663
Fusion Client, Translation	The user message for edit.while.pivot is now available in all supported languages.	16856405
Fusion Client, Translation	The ok and cancel buttons on dialogs are now translated into the supported languages.	16573616
Fusion Client, Wizard	On a Two Tree Wizard, on selecting a position to add to the selected list, the scroll bar moves automatically to the first position in Chrome browser. This issue is fixed with ADF 11.1.1.7.0.	16372324
Fusion Client, Wizard	Saving the current selection as a favorite cleared the check-marks in the Wizard. This is fixed.	16713270

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Wizard	The date format issue in the Wizard is fixed.	17331582
Fusion Client, Wizard	Fusion Client handles the server exception for Custom Wizards and cancels gracefully.	17418038
Fusion Client, Wizard/Sort	Sorting issues in the Wizard are fixed.	14313360
Fusion Client, Wizard/Sort	The exception that was occurring when labels were sorted in ascending order in the Wizard is fixed.	16760202
Fusion Client, Wizard Performance	Wizard performance, with a very large number of positions, is improved. Code is also more scalable.	17423086
Fusion Client, Workbook	When there is a bad configuration issue, the user sees an error message and all edits on such a workbook are disabled.	14064265
Fusion Client, Workbook	Users can now successfully create a workbook with alerts which involve dynamic tasks.	17354616
Fusion Client, Workbook	An issue with the workbook save state is fixed.	18032519
Config Tools - Adding Major Component	Within the measure tool, use of the Ctrl+insert key accelerator was not resulting in the addition of a new major component. Swing appears to be consuming the key event, unlike other key combinations (for instance, insert without the ctrl modifier), so the focused control does not receive an event for the key press. After experimenting with several modifiers, it was discovered that alt+insert does still result in an event being issued to the focused control. Therefore, the action is remapped to alt+insert to fix the issue.	16090009
Config Tools - Configuration Manager	When using RPAS Configuration Manager, users would notice that the activity group properties of an activity were omitted from the list of changes detected by the tool. The activity group properties (name, label, and description) were improperly added to the list of properties managed by the Config Manager. The properties are now checked at the same time as other Activity properties.	15860154
Config Tools - Plug-ins	<p>When using the Save As functionality to create a new copy of a configuration in a different location, users of the plug-ins would find that, upon closing and re-opening the saved configuration, the existing data associated with the plug-ins was getting lost.</p> <p>An error in the code that manages domains for the automation APIs was failing to update when the Save As operation was performed. This was resulting in the Config Tools not being able to properly retrieve the plug-ins data.</p> <p>Fixing the Config Tools to properly identify the configurations to the plug-ins after a Save As operation resolves the issue.</p>	17461776



<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Config Tools - Rule Group Validation	<p>The Task List shows Rule Group Error in red, however no error was listed in the Rule Definitions for the Rule Group, Rules within the Group or expressions within the Rule. The recalc measure without calc rule validation was marked as warning at the expression validation level, but it was getting marked as an error at the Rule Group level which resulted in the Rule Group name in the RULE tool's tree to be shown in red. Earlier, there was no warning status logging at the Rule Set level.</p> <p>Changes are made to show the Rule level warning as warning at the Rule Set level. Changes are made to the validation to consider the recalc measure without calc rule at the rule group level as warning (which earlier was considered as error) to resolve the issue.</p>	16762076
Config Tools - Rule Tool	The Use Existing Rules checkbox was missing from the Copy Selected Rules window. Reworking of the copy selected rules' resulted in the loss of this behavior. The functionality is restored. The Use Existing Rules checkbox is once again present in the Copy Selected Rules wizard. When the control is checked, rules will be inserted in the target rule group to create shared rule instances. When the control is not checked, new rule instances with identical expressions will be created.	16998151
Domain Utilities - ConvertDomain	On a converted domain from 13.2.3.x in to integer indexing architecture, the RPAS security admin workbook was not building properly if it contained security-enabled hierarchies. Convert domain was not converting the window names of the 13.2.3.x domain properly leaving behind a mixed case. Fixing the convertDomain to properly convert the window names case resolves the issue.	17308088
Domain Utilities - ConvertDomain	While converting a domain, the workbook category names were not getting converted properly. The reason was that inside the dim_wbq array, the strings were getting replaced by internal position names. Fixing ConvertDomain to retain the strings resolves the issue.	17844615
Domain Utilities - Mace	The Mace domain utility was failing with an error. The problem was that the code triggered by Mace was trying to remove a directory which did not exist. A check is added to check whether a directory exists before removing it to resolve the issue.	17548905
Domain Utilities - Mace	Memory allocation exception was not reported as an error. Fixing the domain utility base class to report such exceptions as an error resolves the issue.	17884301
DomainUtilities - ReindexDomain	When trying to restart reindexDomain after an unsuccessful previous run, the recovery mode was not working properly, leaving the domain in an unstable state. Fixing the reindexDomain to properly keep track of the previous run status and restart and recover from where the previous run left resolves the issue.	17271602

Affected Component	Fixed Issue/Defect	Defect Number
Domain Utilities - RPAC	While running the RPAC utility and using the <assert-workbook-measure-value-eq> tag, a server exception was getting thrown. While fetching all the dimensions from the dimspace of a measure, the info dimension was also getting fetched and the code was trying to acquire dimension width of the info dimension. Fixing the RPAC utility to fetch the dimension width only when the dimension exists in the dimRegistry resolves the issue.	17255675
Domain Utilities - Wbbatch	The -process option to wbbatch domain utility was causing an incorrect status message to be generated even when the auto workbook build failed. Wbbatch was not handling the workbook build failures with a proper return message code when the -process option was used. Fixing wbbatch utility to properly detect the failures and return an error code resolves the issue.	16787207
Server	After copyDomain with export option, various arrays were getting corrupted in the domain. Fixing the server code to prevent array corruption resolves the issue.	17341015
Server, Classic Client, Fusion Client	The F10/F11 Alert Navigation Controls were not working. The navigation reverts to the first cell. The server and client side code had issues related to Alert Navigation. Fixing the server and client side alert navigation code resolves the issue.	17179376
Server - Aggregation	Measures with HybeidAgg as default agg were causing an unexpected cell type exception when an expression containing them was evaluated. Calc Engine generates a temporary array while evaluating such expressions but the temporary array's navalue was not getting set correctly which was causing the error. Fixing the calc engine code to properly set the NA value resolves the issue.	17904958
Server - Aggregation & Spreading	Editing a re-calc measure with a default aggregation method of EOP was resulting in clearing others cells of the same measure. It was observed that in a corner case, when re-calc EOP measures were edited and aggregated, the aggregation/spreading logic was clearing out other cells data of the same measure. Fixing the server side code resolves the issue.	17212475
Server - Calc Engine	Running a mace expression on a rule group which uses TransformProp in one of the expressions/rules yields a server exception. When the expression was run standalone, it went through fine. Within the initialization step of running the rule group, DB access privileges for the RHS measures were getting set to WRITE mode unnecessarily which lead to the error. Changing the DB access to READ resolves the issue.	16631818
Server - CalcEngine	Performance issue occurred while executing an if expression. The server side aggregation code was not working properly. It was duplicating certain operations. Fixing the server side code to do optimal aggregation resolves the issue.	17462974

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Server - Calc Engine	The RPAS calc engine was not doing the spreading correctly when the rule group was run through a custom menu. During the calc phase, evaluation takes place in incremental mode. When a custom menu is executed, the evaluation takes place in full mode. The PeriodEnd spreading in incremental mode was working fine. However, the PeriodEnd spreading in full mode was not working properly. Fixing the calc engine code resolves the issue.	17673528
Server - Convert Domain	The existing user selections files (.sel files) in the domain were causing the convert domain utility to fail. The user selections conversion was not handled properly which was causing the convert domain to fail. Fixing convert domain code to properly handle the user selections resolves the issue.	17723099
Server - Dimension Attributes	While trying to patch the domain after setting a few measures as dimension attribute measures, a server exception was getting generated. When adding a new hierarchy with a dimension and then patching the domain, the new hierarchy and dimension got updated in the meta.db and hmaint.db. When trying to add the dimension attribute, the dattmapping__ array was not getting updated with the new dimension. The info dimension only has the previously registered dimensions. The dimension added through the patch was not getting updated in the dattmapping__ array. Fixing the server side code to check while registering the dimension attribute to see if the dimension exists in the domain but not in the dattmapping__ array and then adding this dimension to the info position in the dattmapping__ array resolves the issue.	17274923
Server - Fetch	During the execution of the calc rule group, the client was fetching data for measures which were not on the visible window. This was caused by an improper variable instantiation on the server side which deals with elapsed locks. Fixing the server side workbook code resolves the issue.	17505809
Server - Measure Attributes	In the show attributes and sort dialog, the value of the scalar attribute measure instead of its label was getting shown. During wizard processing, when workbook was not yet built, the server was using the workbook object to fetch the data. Fixing the server code to use the MeasureStore to fetch the attribute measure data resolves the issue.	16774859

Affected Component	Fixed Issue/Defect	Defect Number
Server - MultiSource	<p>The MultiSource expression was throwing a server exception during a DPM operation. To recreate the problem: Create a calc rule group with multisource having at least 2 RHS measures. Enable DPM on one of the dimensions of the LHS measure. Build the workbook, and use outline view on the DPM enabled hierarchy. Make sure it shows all the aggregated levels other than the dimension on which DPM was enabled.</p> <p>If a DPM add or delete operation was done, a server exception gets thrown. The problem was that MultiSource was expected to have the intersection of aggregated levels available. However, the DPM operation destroys aggregated arrays and lets the calc engine regenerate and update their values. Regenerating the LHS measure instance as needed during the execution of the multi-source expression resolves the issue.</p>	17017797
Server - Position Query Definition	The position query definition name was getting garbled when saved with a Chinese name. The new label that was saved was not listed in the list of pqd names available. Instead, a label with all underscores was present. While creating the pqd, the file server was not recognizing the UTF-8 multibyte chars and hence was replacing it with underscores. Fixing the server code to avoid the ASCII-based char check if the language is not English resolves the issue.	17339480
Server - RPAS Templates	After using Hierarchy Maintenance to update a user defined dimension in the location hierarchy, an error message occurred when the user attempted to go back into Hierarchy Maintenance. Also, if the user was in another workbook wizard and attempted to roll up to the user defined dimension, an error occurred and the client closed. The DimensionMap cache was not getting cleared. This caused wrong positions to be deleted there by corrupting the user-defined dimension array. This problem was seen only on AIX and not on NT because of the way static globals of std::set / std::map were handled. Fixing the server code to properly handle the static globals resolves the issue.	16754638
Server - Styles	While building a forecast approval workbook with a saved style, a style exception was getting generated. The server side styles code was not working properly while saving styles. Fixing the server code resolves the issue.	17623074
Server - Translation	There was an issue with localization on Alert Manager when Russian language was used. Some of the symbols were not getting translated correctly into Russian language. Proper translations are provided to fix the issue.	16362937
Server - Upgrade Domain	Closing a workbook was causing an exception indicating it cannot delete a workbook position from wb_hit_count array. The upgrade module was not working properly to update the array. Fixing the upgradeDomain module resolves the issue.	17205227

Affected Component	Fixed Issue/Defect	Defect Number
Server - User Manager	While using usermgr to create a new user with upper case letters, an exception was getting thrown. The user name was used internally to create the user instead of the unique user ID. Fixing the server code to make use of the unique user ID resolves the issue.	17176531
Server - Wbq Patch Script	The patchWbq script was leaving behind certain backup files which were causing the subsequent reindexDomain run to fail. Fixing the patchWbq script to clean up the backup files and also fixing the reindexDomain to ignore the backup files resolves the issue.	17271652
Server - Workbook Build - Calc Rules	When selecting all the months in a year while building the workbook, measures were showing the correct value but when selecting a few months in a year, measures were showing different values. If a workbook uses the functional keyword today in its calc rules, then the today calendar position must be part of the wizard selections. Otherwise, the workbook measures will contain wrong values. When the today calendar position was not part of the wizard selections, a message gets logged at all log levels on the server side saying that today calendar position was not selected and the workbook measures may contain wrong values.	14244947
Server - Workbook Open	While opening a workbook, the server was throwing an exception because the server code was using a cached dimension map. Fixing the server code to clear the cache and regenerate the dimension map resolves the issue.	16781346

## Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 13.4.2 documentation set:

- *Oracle Retail Predictive Application Server Installation Guide*
- *Oracle Retail Predictive Application Server User Guide for the Fusion Client*

## Supplemental Documentation at My Oracle Support

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

<https://support.oracle.com>

### Cygwin Setup Guide for RPAS (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 13.4.2 Cumulative Fixed Issues (Doc ID 1617491.1)

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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#### **Value-Added Reseller (VAR) Language**

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