

# Oracle® Retail Predictive Application Server

Release Notes

Release 14.1.2

January 2016

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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.

### 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 133398.1)**

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.

### 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 14.1.2:

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client	When adding a DPM position in the Classic Client, the system auto-advanced to the next DPM position when the user clicked Apply. If the user subsequently clicked OK, two positions were created. This behavior is revised so that the dialog does not auto-advance to the next DPM position.	20985029
Classic Client	Classic Client crashed when the fill function was used in a workbook. This was caused by a bug in the code for single select hier measure's auto fill operation. The bug is fixed.	21083538
Classic Client	Selecting (or highlighting) new rows in Classic Client did not automatically result in previously selected rows getting de-highlighted. This is fixed.	21866079
Classic Client	Classic Client crashed when a user edited a cell and then switched to another tab prior to the completion of calculation. This was happening only when the PromptForCalc flag was removed from foundation.ini. This issue is fixed.	22233356
Classic Client	When there were collapsed positions in the right-hand pane of a wizard and some other position was selected to be removed, the collapsed positions were also getting removed even though they were not selected for removal. This is fixed.	22473492
Classic Client, Web Launch	For some users, Web launch worked with Java 1.6 but not with Java 1.7. To resolve this, web launch is rebuilt with Java 1.7.	21669108
Config Tools	In Tasklist selection, error messages relating invalid rulesets, rulegroups, and rules were not informative enough. This is fixed.	19689020
Config Tools	Under some conditions, using the filter in the column header of the measure interface could produce inaccurate results. This is corrected.	20961693
Config Tools	Even though the Configuration Tools allow rule names to include an underscore ("_"), the filter on the Add Existing Rules popup did not allow users to actually use that character to search for existing rules. This is corrected.	21072346
Config Tools	There are many updates and improvements with Java 8. Some of these affect how certain things within the Configuration Tools are handled. The Configuration Tools are updated to work with both Java 7 and Java 8.	21107487
Config Tools	Trying to load a configuration in the Configuration Tools caused an error when a position query in the solution was based on a measure that existed in a separate solution, and that measure had not been imported from the first solution. This condition no longer causes an error, and loads correctly allowing the underlying cause to be addressed.	21115889
Config Tools	For picklist measures with workbook-level overrides, translation placeholders were not being generated by the Configuration Tools. This oversight is addressed. In addition, all translations for overridden properties are contained in the file r_measlabel.ovr, unlike normal picklist translations, which are contained in r_measpicklist.ovr.	21157258

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Config Tools	The workbook tool allowed the same name to be used for two or more workbooks, worksheets, and so on. It did not show a warning message informing the user that the workbook name was already in use. This is fixed.	21803284
Config Tools, rpasConfigMgr	Using rpasConfigMgr's -diff option to compare two domain configs used to result in incorrect comparison results. This is fixed.	19806260
Config Tools, rpasConfigMgr	Running RPAS Config Manager with a base config and two modified configs used to result in a Java error, particularly when the base config had duplicate entries in the measure profile. This is fixed.	22301119
Config Tools, RpasInstall	When a measure was assigned a non-existent style, it was instead assigned no style during the domain build process. The correct behavior should be to preserve the style name and alert the end user.	21117775
Domain Utilities, Alert Manager	When findAlerts was run, rule groups used to get evaluated multiple times resulting in performance getting hit. This is fixed by making sure that a rule group gets evaluated only once.	21328923
Domain Utilities, convertDomain	convertDomain did not copy the setup directory from source to destination. This is corrected.	21487954
Domain Utilities, copyDomain	The copyDomain utility was not showing any warning messages even when the deprecated -skipConfig flag was used. The copyDomain utility now gives a warning on the use of a deprecated flag -skipConfig, but continues with other flags/parameters as normal.	21450206
Domain Utilities, copyDomain	RPAS introduced an error in the copyDomain utility that would cause an error when the -export flag was used. This flaw is removed.	21935960
Domain Utilities, copyDomain	The RPAS utility copyDomain failed with a mapData error when copyDomain was called with the -clone option, the positions specified in -clone were in the partition dimension, and the resulting subset of local domains was different than the original subset. This behavior is corrected.	22288393
Domain Utilities, optimizeNA	There was a bug with how optimizeNA handled date measures as a result of which some of the date measures were 100% populated and most of them (more than 95%) had the same values. This is fixed.	21230833
Domain Utilities, printMeasure	For a domain upgraded from RPAS version 13.4.3 to RPAS version 14.1.2, the printMeasure utility when used with the -allPopulatedCells option failed for measure r_msglabel. This was because the base intersection for this measure had changed between these two RPAS versions. This is fixed.	22307294
Domain Utilities, regMeasure	The regMeasure utility was not respecting the environment variable RPAS_PROCESSES, and was instead running serially over each local domain. This could result in a performance hit when dealing with a significant number of local domains. RPAS_PROCESSES is now utilized by regMeasure.	21252859

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Domain Utilities, reindexDomain	When reindexDomain ran, it used to start a new run for each master and local domain. While reindexing master arrays, it should not have touched any arrays in local domains if the local domain paths were added to the skip list. This was because the symbolic link paths created for local domains were not added to the skip list and reindexDomain went into the symbolic link paths and reindexed all local domain arrays based on the master domain context. It changed all dimpath options. Later, when it tried to reindex the local domain, it failed. Code is added to skip symbolic links to local domains while reindexing the master domain.	21688150
Domain Utilities, showWorkbookQueues	The showWorkbookQueues utility's -purge flag was not purging workbooks as expected. This was because the workbook queues management needed changes to work in a Hybrid Storage Architecture (HSA) environment. The necessary changes are made.	21764329
Domain Utilities, showWorkbookQueues	The showWorkbookQueues utility was not actually purging the success and failed queues with the -purge flag, though the records could be manually deleted. This behavior is updated so that the queues are actually purged.	22099326
Domain Utilities, transferData	The documented behavior of transferData when used with no mask with -clearDest was to clear the destination arrays and change the destination array's NA value to the source measure's NA value at the beginning of the process. This expected behavior was not occurring, particularly when the baseint and loadint levels were different as transferData used to export the source measure data at the baseint level and tried to load the destination measure data at the loadint level. This is fixed.	21659946
Domain Utilities, wbmgr	An unhelpful exception was encountered when wbmgr was used with the -print argument for a corrupted workbook. This is fixed and, in such cases, the user is shown a message that the workbook is corrupted.	22491702
Fusion Client, Alerts	Users got an ArithmeticException/ by zero when a real-time alert was triggered and the user clicked the find next or find previous alert buttons. The issue is fixed. The user no longer gets an exception while navigating through real-time alert hits.	21665200
Fusion Client, Alerts	Users were getting the IllegalArgumentException error in domains with master and multiple local domains with alerts defined. The alerts were not sorted. The issue is fixed. Post login, the Manage Alert pane is visible and alert counts are displayed.	21962077
Fusion Client, Charting	For a few chart types (Area, Bar, Line, Pareto, and Ring), the edit pop-up window was not displaying the latest edited value of a measure. This issue is resolved.	17823741
Fusion Client, Charting	In some cases, attempting to edit a value on a line graph would result in no edit dialog being displayed. This is corrected so that right clicking on a point produces the edit dialog.	20896731
Fusion Client, Charting	Attempting to edit a Boolean value on a line graph (by right clicking and selecting Edit) resulted in an ADF error. This is corrected.	21031421

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Context Menu	The context menu was not launched on right clicking the page edge position in the fresh workbook. It could be launched only after refreshing the page edge by pivot move/swap and even that was not consistent. The issue is fixed. The context menu can be launched consistently.	21859860
Fusion Client, Copied Views	After creating multiple copies of a view, dragging and dropping dimension tiles could cause errors. The cause of this behavior is identified and fixed.	20992568
Fusion Client, Copyright	Copyright information in Fusion Client was in improper format. This is fixed.	22017044
Fusion Client, Drag and Drop	After selecting multiple items (rows) to drag, only the first item was dropped. This was due to a logic flaw that is corrected.	20890822
Fusion Client, Dynamic Position Maintenance	Users were unable to see the newly added dynamic positions on any other worksheet than the one in which it was added as the positions were not getting refreshed for the dimension. The issue is fixed.	21806172
Fusion Client, Dynamic Position Maintenance	If a user created a new workbook and added Dynamic Position Maintenance (DPM) positions for a dimension, these were not visible in other worksheets, as well as, if the Show and Hide tab of the dimension was clicked. The issue is fixed. The newly added DPM positions are seen.	21820749
Fusion Client, Fill	When selecting a value and trying to replicate or fill the value, a null pointer exception was being thrown and the error messages populated were incorrect. The issue is fixed.	22377732
Fusion Client, Installer	Part of the setup for the install of the Fusion Client involves specifying a logs and a tmp directory. If these are not specified, by default they are written to the installation directory. This causes an error during installation. The user is now notified when this situation is detected.	20416084
Fusion Client, Installer	The Fusion Client installer checked for the supported WebLogic and ADF versions. During the pre-install check, it failed to check for any installed ADF patches. The issue is fixed. The installer notifies the user if any patches are present.	21491346
Fusion Client, Level Splitting	Attempting to edit an existing level split was instead clearing the level names, forcing the user to delete and recreate the split definition in order to change the name. This error is corrected.	20603754
Fusion Client, Measure Profiles	Users got a null pointer exception on creating a workbook, and dragging and dropping the hidden measure to the visible measure list instead of adding the measure to the visible measures list. The issue is fixed. The measure gets successfully added to the visible list using drag and drop.	21522337
Fusion Client, Menu	Upon redeploying the application from the WLS console, the entries in the taskflow navigation were getting duplicated. The data structure is reset when the session is closed to fix the issue.	22198650
Fusion Client, Picklist	On connecting Fusion Client to a domain having picklist measures defined, building a workbook from the application, clearing the cell value for a picklist measure, and then selecting Calculate gave a null pointer exception. FacesMessage.Severity is fixed which resolves the issue.	21214024

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Pivot Table	After making an edit to a cell, but without tabbing away from it, using the page-edge tiles to swap the dimensions on a row or a column causes the edited value to be lost. This behavior is fixed.	20088519
Fusion Client, Pivot Table	Under some combinations of screen resolution and text scaling factor, the pivot table rows were misaligned (for example, screen resolution 1920 x 1080 and text scaling of 125%). This should no longer be an issue.	21044709
Fusion Client, Pivot Table	The user-specified column header height in the <code>rpasConfig.properties</code> file was not reflected in Fusion Client. This issue is fixed. The <code>pivottable.default.column.header.row.height</code> is being appropriately honored.	21930720
Fusion Client, PO View	The pivot table selection was getting lost when copying a view or launching a plug-in module such as PO View. The issue is fixed. The pivot table selection remains highlighted upon launching PO View.	21799725
Fusion Client, PO View	User experience was not affected with this fix. However, because of the way ADF 12.1.3 handles the pop-ups, the application was generating an exception. This issue is fixed.	22466179
Fusion Client, Pivot Table	In the Chrome browser, the single hier select drop down was not working. It works properly in Firefox and Internet Explorer. The select SSH drop down now also works in Chrome.	21510990
Fusion Client, RPAS Server, Translations	The Alert Manager wizard was displaying the RPAS internal names of dimensions (week, code, store) instead of the translated user labels (semana, secao, lojas). This is corrected.	19501207
Fusion Client, Synchronized Measures	Upon editing a measure that is synced/linked with another measure, the synced/linked measure was not updating immediately. (A common example would be expecting an entered EOP value to populate the corresponding BOP measure.) The behavior is changed so that the update happens immediately.	20731420
Fusion Client, Translations	Users encountered a null pointer exception (NPE) when trying to save a product list as a favorite using Save Favorite when the language preference for the browser was set to the Dutch language. The issues are fixed. No exceptions are encountered and Save Favorite works as expected.	21840390
Fusion Client, View/Manage Images Dialog	Code changes are made so that the images loaded for the view/manage images dialog go through host/image file type validation and enforce that the images are correct.	21752427
Fusion Client, Wizards	In a wizard, the Find feature was not behaving as expected. That is, it would find the first row that contained the text, but if the user pressed the Add button to select it, the Find would not find the next matching row or rows, even if they were clearly visible. This is updated to consistently find the next matching row.	20802847

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Workbook	Users saw an inconsistent behavior when saving and opening a saved workbook. Even though save and commit were unchecked, the workbook would not close if a user selected the same previously opened workbook in the workbook list popup. If a user selected another workbook than the previously opened one, it closed the previous one and opened the new one. The issue is fixed so that when the user tries to open the same opened workbook again, a warning message popup is displayed.	21129073
Fusion Client, Workbook	Fusion Client was unable to recover when incorrect level initialization data was returned from the domain/server. Additional safeguards are introduced during the create/open of a workbook to handle more cases with erroneous data.	21149445
Fusion Client, Workbook	In Fusion Client, the read-only measure at aggregate was seen as editable as it was not considering the case where the worksheets intersection was higher than the measure's intersection while opening the workbook. A check is added that takes care of the case where the worksheets intersection is higher than the measure's base intersection.	21521583
Fusion Client, Workbook	Users did not see the format for the date attribute measures defined in the configuration reflected in Fusion Client. The user could not define the correct prices for the items, as the user could not know the specific week (date) being working on. The issue is resolved to reflect the configured date format.	21795087
Fusion Client, Workbook	Users were unable to save a workbook with language accented characters in the workbook name when the browser language was Spanish. It resulted in an invalid format error. The issue is fixed to handle regular expressions for language specific characters.	22352283
Fusion Client, Workbook	When editing a saved split, the name field was getting cleared and the user was not able to save the edits. With the fix, the user can edit a split by adding/removing attributes and save the edits.	22465512
Fusion Client, Workbook	In the select split dialog, the user was unable to see the apply to field populated with the views to which the split was already applied. With the fix, the apply to field is populated for all the views to which the split is applied.	22465538
Fusion Client, Workbook	When editing a saved split by adding new attributes and changing the views, the worksheet should have been refreshed with new attributes. However, this was not happening and the views were refreshing with the old split definition. This is fixed and the views are refreshed with the changed attributes.	22465545
Fusion Client, Workbook	Users encountered a null pointer exception when applying a level split, drilling down on one of the levels, clearing the split applied, and making changes to the hierarchy of the same level. Additional checks are added to avoid this issue.	22473108
Hybrid Storage Architecture	Refreshing a workbook used to result in an error, particularly when pre-range masks were used. This was caused by RPAS Data Mart (RDM) returning records for positions that were already filtered out by pre-range mask. This is fixed by ignoring the extra records.	22320235

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Hybrid Storage Architecture	For measures having date and time, the time part was not getting preserved in the database. The data type of such measures is changed from timestamp to date type so that the hour, minute, and seconds values (but not milliseconds) are preserved.	22362769
Hybrid Storage Architecture, checkRdm	checkRdm had some errors. In the first instance, it used to return a Reference to uninitialized collection exception. In another instance, it returned an error saying some positions had a status mismatch between the domain and RDM. These are fixed.	21615510
Hybrid Storage Architecture, loadDimData	When a partition dimension was the highest level, loadDimData resulted in an exception. This error was encountered along the alternate hierarchy first. This is fixed.	21656418
Hybrid Storage Architecture, loadDimData	The purgeAge -xxx option of loadDimData did not work correctly. It was incorrectly purging positions. The purge functionality is corrected.	21863829
Hybrid Storage Architecture, loadFactData	Dataload API package was throwing an error while loading data from the staging table to the fact table. This was due to a case mismatch in the staging table name. This is fixed.	21417971
Hybrid Storage Architecture, patchRdm	After running patchRdm, the factGroups.ary array in the RDM directory was out of sync with the RDM database which resulted in a failure of fact group checking. This is fixed.	21633257
Hybrid Storage Architecture, patchRdm	Any change made to purgeAge in the integration configuration was not getting reflected in RDM after running patchRdm. This is fixed.	22375535
Hybrid Storage Architecture, prepareRDM	prepareRDM.ksh used to fail in Linux environments because of the use of an incompatible shell command. It is fixed.	21790638
Hybrid Storage Architecture, transferFactData	In a reasonably large domain with multiple local domains, when transferFactData was run using parallel processes to transfer data from the domain to RDM, deadlock errors were sometimes encountered. These deadlock errors were seen even when the parallel processes were as few as 10. This is fixed.	22297126
Hybrid Storage Architecture, upgradeRDM	Oracle directory is added as a RDM property from the 14.1.1.12 version of RPAS. As a result, physical Oracle directory and Oracle directory objects are created on the Oracle database. All the RPAS schema users are granted appropriate permissions for this Oracle directory. A new upgrade module is provided to add the new RDM property.	21481659
Hybrid Storage Architecture, upgradeRDM	Data used in some materialized views were not getting refreshed as designed. So, materialized views were replaced with regular views. Additionally, view creation privileges had to be altered accordingly.	22157515
RPAC	RPAC utility was case-sensitive to the wizard IDs used in the .xml files. This is fixed.	22104775
RPAS Installer	This issue is a follow-on to the Config Tools fixed defect 1157252. It addresses a fix for an issue found during testing in another part of the product.	21263970

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
RPAS Server, Aggregation and Spreading	For attribute and position functions, the NA value at the Right Hand Side (RHS) was calculated based on index zero (first position) in dimension which sometimes gave a wrong NA value. When the NA value was incorrect, the populated cells were shown incorrectly and hence the aggregated value was also shown incorrectly if the aggregate type was ambgp. This is fixed.	21980296
RPAS Server, Calc Engine	In rare cases, it was possible to have the outcome of a calculation dependent on the order in which edits were made. The cause of this discrepancy is identified and removed.	21778608
RPAS Server, Calc Engine	When the Left Hand Side (LHS) in an expression with the ignore keyword is a Higher Base Intersection (HBI) measure, it is designed to directly update the HBI measure instead of bringing it to the local domain. But, this logic got applied to RHS measures as well resulting in incorrect calculation results. To fix this, RHS measures are now brought to the local domain before doing the calculation.	21944639
RPAS Server, Calc Engine	Workbook calculation generated incorrect values if an LHS measure was involved with different level modifiers. It is fixed.	22084963
RPAS Server, Fusion Client Bridge	In some cases, not all of the measure labels were being returned from the server. This resulted in column headers that should have displayed those measure names showing blanks. (This affected the Fusion Client only.) This is fixed so that all measure labels are returned in all cases.	20432030
RPAS Server, Java Bridge	A new Java Bridge API is added to take dimension names as inputs and return translated user labels for the specified dimension names.	21755314
RPAS Server, Mace	Occasionally, running a rule group in a local domain would fail, while running each expression in the rule group individually would succeed. This was due to some array metadata being out of date. This is corrected.	20987233
RPAS Server, Mace	In some cases where an expression contained a Java expression, running that expression in mace could succeed while running a rule that contained that expression might fail. This was because of slight variations in how RPAS managed the locking of the measure arrays involved. The locking strategies are updated to allow these types of expressions to run regardless of context.	21105011
RPAS Server, Mace	Mace was not calculating aggregates correctly when the left-hand side measure in an expression was registered at the global domain level and the right-hand side measure was registered at the local domain level. The method for calculating such aggregates was changed to properly compute the result. Note that this does not change which aggregation types are valid across multiple local domains.	22227346
RPAS Server, Mace	Mace -endBatch -processes never created the number of processes specified by the user. This was because it did not pass the number of processes to be created to TaskManager. As a result, only four (which was the default value) processes were getting spawned. Now, the user-specified value for number of processes is passed to TaskManager to fix this.	22354587

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
RPAS Server, Mace	If an expression contains the ignore keyword, the left-hand side measure is HBI, and mace runs this expression on a local domain, it does not evaluate the left-hand side value correctly. This is related to the fixes for defects 6612537 and 21906081. This is corrected.	22234221
RPAS Server, Rules	The attribute function was sometimes calculating an incorrect value at an aggregate level. This calculation is adjusted to give the correct value in this case.	21065903
RPAS Server, Translations	A previous fix allowed picklist ranges of scalar string measures to be translatable. However, the fix did not extend to using the range or the translation in a Custom Menu Message Measure. This gap is corrected.	21646465
RPAS Server, Workbook	After renaming an open workbook, making some other changes in the workbook and saving the workbook, the workbook still had the old name and not the new name. This is fixed.	20383469
RPAS Server, Workbook	When an attribute was created from a measure that used a picklist, it did not display the item label. This is fixed.	21145933
RPAS Server, Workbook	When the result of an expression goes out of the dimension positions of a hierarchy, it used to throw an expression and abort the evaluation of expression. It is fixed.	21791931
RPAS Server, Workbook	While creating the Hierarchy Maintenance or Location Maintenance workbooks, the wizards showed incorrect values for attribute measures such as Product/Location Status, although the workbooks themselves displayed the correct values for these measures. This is fixed.	22250834
RPAS Test Driver	When foundation.fcf contained multiple domain names, RTD_LOGON used to work only for the first domain mentioned in foundation.fcf and failed for other domains. This is fixed.	22363737

## Known Issues

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

<b>Affected Component</b>	<b>Known Issue/Defect</b>	<b>Defect Number</b>
Configuration Manager	In the configuration manager, users can experience either an exception or a conflict when merging changes to rules. The conflict, when it occurs, always involves an attempt to move a rule.	19815644
Fusion Client	CTRL+a and add/remove fails to add/remove all the items in the workbook wizard.	19443341
Fusion Client, Charting	In Internet Explorer 11 (only), saving a chart as an image does not work as expected. The image file is created, but with a system default name and no image extension.	19940523

<b>Affected Component</b>	<b>Known Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Editing	The date selector control is a popup if there are no time components (just clicking the day enters the value), and is a dialog with OK/Cancel if time is included. The former is used for date measures with no time, the latter for those with 12 or 24 hour time, as specified by the formatting. The issue is that the first measure clicked determines which version of the date selector control is shown, and it does not change as measures of other types are selected.	20175368
Fusion Client, Find	In a global domain workbook, with a large number of positions (for example, 100,000 products), the Find position functionality may not work as expected. In particular, the Find will jump down to the next matching position and then almost immediately jump away. The row counter may also not work correctly in this case.	21644575
Fusion Client, Pivot Table	On various versions of Internet Explorer and Firefox, using the browser zoom feature at 125% or more can cause the dimension/measure labels and the data to no longer align.	19501266
Fusion Client, Wizards	In some cases (building a workbook with all products, saving and closing it, then building a new workbook from scratch), the Remove All button in the wizard does not actually remove all of the selected items. Pressing it a second time does remove all selected items.	20157358
Fusion Client, Workbooks	When the user selects more than 999 rows in a pivot table, the display of the count of the selected rows is truncated, showing only the first three digits.	19149826
OBIEE, KPI Watchlist Report	Attempting to open a KPI Watchlist Report fails to launch with an invalid path error, even when the report is configured correctly.	20880236

## Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 14.1.2 documentation set:

- *Oracle Retail Predictive Application Server Administration Guide for the Classic Client*
- *Oracle Retail Predictive Application Server Administration Guide for the Fusion Client*
- *Oracle Retail Predictive Application Server 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 14.1.2 Cumulative Fixed Issues (Doc ID 1926954.1)**

This document details the fixed issues and defects for all RPAS patch releases prior to and including the current release for the 14.1 code line.

### **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.

### **Documentation Accessibility**

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

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