

# Oracle® Retail Predictive Application Server

Release Notes

Release 15.0.2

**E86420-02**

March 2017

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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
```

## 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 supported:

- Oracle WebLogic 12.2.1.0
- Oracle Internet Directory 11g (11.1.1.9)
- Oracle Identity Management 11g (11.1.1.9)
- Oracle Access Management 11g (11.1.2.3)
- Java 8
- Mobile Support:
  - Apple Safari Mobile Browser 6+ is certified for the iPad Tablet for iOS9.
  - Samsung Galaxy (10") is certified for Android 5+.

Adobe Flash player is no longer needed to run features such as Dynamic Position Maintenance and Consumer Decision Trees as these are rendered in HTML5 on all devices.

## Noteworthy Defect Fixes

The following noteworthy defect fixes are included in RPAS 15.0.2:

Affected Component	Fixed Issue/Defect	Defect Number
Classic Client, Alerts	When a user inserted an alert in a particular workbook using alert manager in Classic Client, additional alerts which were not selected were also appearing along with the alert created for the workbook. The issue is fixed by mandating to consider only active and optional alerts selected and filtering out the rest of alerts.	24755179
Classic Client, Alerts	When a user entered NA as the measure value in Classic Client, the wrong percentage value was calculated for the % measure with a scale factor. The issue is fixed by not allowing the data value to be set to NA.	25338724
Classic Client, Cut Copy And Paste - Clip Board	Paste from clipboard was not pasted correctly to highlighted cells. Classic Client now determines the selected parts correctly to paste data into the correct cells.	24305575
Classic Client, Grid Display	Classic Client screen froze when the user highlighted multiple cells by using the CTRL button along with cursor drag. The issue is fixed and users are able to drag the cells without any issue.	23561803
Classic Client, Grid Scrolling And Fetch	Synchronized Page Scrolling capability in Classic Client is fixed to work correctly while switching between SKUs and worksheets.	24487480

Affected Component	Fixed Issue/Defect	Defect Number
Config Tools	In the globaldomainconfig.xml file, when the subdomain path sits outside the globaldomain path and rpaInstall tries to build the domain, rpaInstall first builds the global domain. It then copies this global domain to its local domains, and updates/removes unnecessary data in local domains. When it copies from one domain to the other domain, if the target domain path does not exist, it assumes that the target domain path's parent folder exists. This issue is fixed by making sure the above assumption is correct; creating a subdomain path's parent folder before the domain copy operation.	21514986
Config Tools	Within the Integration Tool, Shift+click on a column header of the Shared Facts table was not sorting the table contents based upon the attribute whose column was clicked as was documented; the table would only be sorted on a Ctrl+click. Now, both Shift+click and Ctrl+click trigger table sorting.	23230229
Config Tools	An error that caused the RPAS Configuration Manager to be unable to load configurations when running on a Linux system is corrected.	23755615
Config Tools	If, within the Taskflow Configuration, there existed a task that had not been assigned to a workbook, the taskflow.xml file generated by rpaInstall would cause errors when used by the Fusion Client. Now, the taskflow created by rpaInstall will be accepted by the Fusion Client and tasks not assigned to a workbook will be omitted.	24797454
Config Tools, Exception Management	When the measure's label was too long (greater than 255), it threw an exception, which made rpaInstall exit afterwards. Now, rpaInstall will catch that exception, skip that label, and continue its installation process. At the end, it will list out those skipped labels as a warning.	25023128
Config Tools, Layered Configurations	The RPAS Configuration Manager would encounter an exception when working with configurations that contained more than one measure component with a given name across multiple solutions (which is valid). Now, the Configuration Manager handles this condition without exception.	24681105, 24803812
Config Tools, Workbench - Measure Tool	An error in the Configuration Tools could create a situation in which two extended measures could be created in a configuration with the same translation key. As a result, both extended measures would display with the label of the second extended measure of the pair. Now, all extended measures are created with a unique translation key.	24340126
Config Tools, Workbench - Measure Tool	A measure in the workbook was an integer measure, but was configured with a format intended for real type measures. In particular, the scale factor of the style was a decimal (0.01). When this property was applied to the integer, it was rounded to zero, causing a divide by zero error. The Configuration Tools now check the style configured for a measure. When a non-integer scale factor is applied to an integer measure, the measure is flagged as invalid by Configuration Tools validation.	24972761
Hybrid Storage Arch	UPGRADERDM was not working as expected when upgrading to version 15 from 14.1.1. The issue is fixed by clearing the <rdm>/plsql directory before copying the packages.	24390955

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Hybrid Storage Arch	LOADDIMDATA was not loading new CLND positions due to the gap between IDs. The issue is fixed.	24488599
Hybrid Storage Arch	When removing a fact from a fact group, if the process ran into space issues in Database, then PATCHRDM failed. Running PATCHRDM again threw the error "Object already exists." The issue is fixed by adding the clause to remove the temporary table if it already exists.	24765361
Hybrid Storage Arch	LoadDimData failed in some cases throwing error ORA-02292. The issue is fixed by setting the status of those records to Deleted after which PurgeDeleteData will delete the data.	24501897
Hybrid Storage Arch	RMMMGR - PURGEDELETEDDATA threw an error when child records were present. The issue is resolved by providing the error message with additional information.	24620391
Hybrid Storage Arch	Conditional Commit did not work correctly if the NA value was TRUE for the mask measure. The issue is fixed by passing the correct values from the workbook.	24941702
Hybrid Storage Architecture, Domain - Installation And Patching	rpasInstall -rebuildRDM did not validate if any domain was already registered to the existing RDM. Since there was no validation, when the same domain was registered again, it did not to register or un-register it. Now, rdmMgr -clearSchema will not proceed if a registered domain exists.	23532691
Hybrid Storage Architecture, Domain - Installation And Patching	An improper error message was thrown for rpasInstall -rebuildRDM -fromScript, when the scripts did not exist. A meaning full message is now added.	23532739
RPAC	RPAC assert tags compare both date and time components for date measures, irrespective of the value format provided in the assert tag. The code is modified such that the comparison is now made based on the value format provided in the assert tag.	25299438
RPAS Server	The Alert manager was showing a local domain instead of the global domain at the root for the tree view, in the case of alerts which did not already exist in the master domain's array. The issue is fixed by adding the alerts to the master domain if they do not exist and processing the sumAlerts.	23715583
RPAS Server, RPAS DB Server	Upgrading a domain to 14.1.3.x or 15.0.1.x from 13.4.x did not respect the password. The issue is fixed by correcting the order of passwords stored during upgrade.	24946978
Server	The rounddown function was giving results that were slightly off in some cases. The function is modified to give the expected results in those cases.	23221178
Server	USERMGR IMPORTXML - REPLACE is fixed to replace the group assignment for existing users correctly.	24292901
Server	When executing batch after upgrading to 15.0.0.8, Restricted: Write error messages were observed. The issue is fixed.	24671534
Server	When the rollup was done using the level function, it should have replicated instead of proportionally spreading in the case of a Period Ending Spread. The issue is fixed by correctly replicating values.	24905060

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Server	The Open Workbook dialog hung in the second session when the same user had an existing session that had the workbook building. The issue is fixed.	25052349
Server	The Real Time Alert count showed an incorrect value in some cases. The issue is fixed by correcting the logic to calculate hitcount in those cases.	25062646
Server, Calc Engine	After upgrading from version 14.1 to 15.0, one of the workbook templates failed to build during the load group to calc group transition due to the limit of cyclic dependencies rule introduced in 15.0. The issue is fixed by removing the limitation on the number of cyclic dependencies.	23574488
Server, Calc Engine	When a Recalc measure was edited, RPAS calculated the RecalcMapping measure first and then the ReCalc measure. But if there was another measure (C), whose calculation also depended on the RecalcMapping and the ReCalc measure depended on this measure (C), RPAS needed to evaluate C at the base intersection, rather than the ReCalc measure's modified intersection. The Recalc mapping evaluation loop is now broken up to handle this extra measure correctly.	23608455
Server, Calc Engine	The Measure Status window did not show the calculations for measures. The issue is fixed.	23700012
Server, Calc Engine	The RPAS PROPSREAD function was not proportionally spreading the measures in some cases. The issue is fixed to proportionally spread the measures in those cases.	24006954
Server, Calc Engine	Timeshift either threw an exception or generated the wrong results when called as a calc expression within a workbook. Timeshift was not using the right dimregistry to handle the situation.	24794488
Server, Calc Engine	After closing and rebuilding a workbook without logging out, the calc rules were skipped. The issue is fixed by resetting the CalcEngine while building the workbook.	24488070
Server, Calc Engine	The Period Start Spread method in full mode is modified to spread evenly to all the child cells if the CLND hierarchy dimension is at the base intersection. Otherwise, it spreads evenly to the first destination cell.	25123335
Server, Custom Menu	A JRE error was occurring while executing a custom menu due to incorrect looping. The issue is fixed.	23731793
Server, Domain	rpasInstall BuildRDM and RebuildRDM threw a Line Ignored error when the input was longer than 2499 characters. The issue is fixed by ensuring the input does not exceed 2499 characters in a single line.	24806391
Server, DPM	When dynamic hier position/label arrays were on a partition dimension, adding DPM positions on the source dimension did not work. The issue is fixed.	24353527
Server, DPM	Attribute Values were changing to mismatching values after performing a DPM activity and clicking the Update Attribute Values and Level Splits icon. This is fixed.	25221543
Server, Formatting - Update Styles	Config Tools used to display the base measure's style for extended measures, whereas rpasInstall used to take the extended measure's style as blank by default. Config Tools is changed to show an empty style for the extended measures if their style is not explicitly overridden.	23626231

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Server, Installer	The RETL_MSG files are created in all the supported languages.	22989938
Server, Java Bridge	Date contained // in Fusion Client when converting the Microsoft short date format to RPAS_FORMAT. The issue is fixed by adding the code to concatenate the separator only if the previous character was not a separator.	23643144
Server, Multi Pre-range masks	Wizard selection is based on pre-range measure, and was not refreshed when there was a change in the domain selection after canceling the wizard. The issue is fixed by refreshing the pre-range selection in the case of a change in the domain selection.	23570852
Server, Multi Pre-range masks	The configuration is updated to use the correct pre-range mask in the version 15 AP Create Shopping List workbook.	24441763
Server, Multi Pre-range masks	Users got pre-range errors when pre-ranging did not update after domains/departments were switched. The re-range dimension cache is now removed to solve this.	24673613
Server, Multi Pre-range masks	When the user switched local domains between workbook builds, an error message was shown and the workbook could not be built. To solve this, store intersection is now stored as a string in the template instead of caching it.	24906570
Server, Open Database Connectivity (ODBC)	Installing the ODBC client 15.0.1.3 on a Window's 7 machine was throwing an error. A missing file is provided to fix the issue.	24410271
Server, Workbook	Fusion Client displayed a NA value in a dynamic picklist even when it was not part of the measure range, resulting in wrong data in the picklist. The issue is fixed by passing one of the current values as NA to Fusion Client.	23309998
Server, Workbook	An error was displayed while committing HBI measures from the local domain. The issue is fixed by correcting the logic.	24561521
Server, Workbook	When a Lower Bound setting was added to a measure and was patched, opening a worksheet with this measure was throwing an error. This issue is fixed.	24971816
Server, Workbook - Build	When attempting to open the Security Administration workbook, the screen was going blank. This is fixed.	24443893
Server, Workbook - Build	While building a workbook which did not have a wizard for one dimension and the user did not have access to all positions of the dimension, upon clicking Finish, the user got an incomplete error message. The code now throws a meaningful error while building the dimension dictionary itself.	24836175
Server, Workbook - Commit Asap	The user could see the workbooks which were committed using commit ASAP, only if the All Users option was checked. The All Users unchecked option is now respected and a user can view only the workbooks committed by the user.	24582927
Server, Workbook - Commit Asap	When a new ASAP commit task was submitted, a folder was created for it under the commitAsapQueue/queuing folder. But if commitAsapQueue/queuing folder was not present, it threw an error. Now, if this folder is not present, it is created.	24790115

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Server, Workbook - Open	In the Security Administration task, upon checking the levels of user and meta, the label did not display any value. Now, the correct value is displayed.	24442891
Server, Workbook - Open	The wizard cache caused prerange to be incorrectly displayed when the workbook was launched the second time. This is fixed.	25099102
Server, Workbook - Wizard	An error occurred with the RDF Forecast Approval workbook creation wizard when a dynamic hierarchy was added into the workbook. This dimension used position names instead of the physical ID (13.2 style). The code is corrected to handle string position names as well in the dim array.	25061079
Server, Workbooks	Users were not able to see the list of all saved workbooks which were assigned to their group in some cases. The issue is fixed by using the group name during Save As.	23723337
Server, Workbooks	When the measure range contained no values, the picklist did not display the saved ID in both Classic Client and Fusion Client. The issue is fixed by considering the current value in the picklist measure while evaluating from the measure range.	24642769
Utilities	EXPORTMEASURE - UPPERFLAG is modified to not convert values to uppercase.	24748747
Utilities - Measure Data Load & Export	Since, in 15.0+, loadMeasure does not perform splitting anymore, loadMeasure was failing when data files were present in only the local domain's input directory and not in master domain's. loadMeasure is now changed to scan the local domain's input directories as well when there are no input files in the master domain's directory.	23731838
Utilities - Measure Data Load & Export	loadMeasure used to filter out a data line if the last field of the line was a date measure and line was using CRLF as a record separator. This issue is fixed.	24747427
Utilities - Hierarchy Load & Export	Loading a new PROD hierarchy with the UDD dimension was failing since the UDD column of the newly-added positions in the partition dim array was NA. While loading the positions through the XML file, the UDD positions should be set to default position. This, along with the code fix, takes care of the error.	25204209
Utilities - Measure Data Load & Export	The level of record error can be controlled using -recordLogLevel and -loglevel parameters. For some scenarios, the -recordLogLevel parameter was not respected by the utility. Hence, only the line number was displayed in the log file. Now, the error message is changed to print the full line instead of the line number. Also, the default log level of the record error is changed from warning to information.	24931847
Utilities - Optimize Domain	OptimizeDomain run in Global and local domains with multiple threads was failing with an error lock on the language.db array. OptimizeDomain used to read the measure label stored in the master domain's language db, which was being optimized to work in parallel. Now, it is changed to not look for the measure property when running in the local domain.	24699891

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Utilities - Other Remaining	Showworkbookqueues -purge did not purge old commit asap log entries. While purging, the priority code was ignored. Now, the right priority code is also considered along with the timestamp of the old entries.	24924320
Utilities - Reconfig Glb-Dom Partitions	loadHier utility, with the -defaultDomain option to create a new domain, was copying the auto workbook as well from the default domain. This is corrected.	24321529
Utilities - Reconfig Glb-Dom Partitions	reconfigGlobalDomainPartitions used to fail to add a new ldom to the domain because the booking, failed, pending, and so on, directories were missing under commitAsapQueue. The utility now creates these directories while creating a new subdomain.	24435875
Utilities - Upgrade Domain	After upgrading to 15.x RPAS, the wizard in the global domain using Classic Client was showing measure names instead of labels. RPAS now appends the picklist string to the existing translate field instead of overwriting it, to instead show the measure label.	23259995
Fusion Client, ADF	When clicking the create workbook icon twice, about a half second apart, two wizards opened up due to that action. On closing the latest one and trying to use the first one, an exception message was seen. This issue is fixed.	23477465
Fusion Client, Charting	Fusion Client is enhanced for markers on charts. Markers could be seen in the chart when enableDataMarker was set to "true" in GraphConfig.xml. By default, enableDataMarker is set to false.	24478174
Fusion Client, Cut Copy and Paste - Clipboard	On entering 123456 in four consecutive cells of the pivot table in Fusion Client, then hitting calculate and performing formatting to Number-Thousands on these cells, the values were displayed as 123k. On copying these four cells and pasting into another four cells of the same column, clearing the formatting applied resulted in the copied cells having the value 123000 instead of 123456, the originally copied value. This issue is fixed.	23338956
Fusion Client, Cut Copy and Paste - External	When copying a pick list measure column to another, if selected cell by cell, there were no errors seen but if selection involved the column as a whole, error messages appeared as "The value you are pasting [No List] is not a valid Picklist selection for this measure." This issue is fixed.	25166439
Fusion Client, Display and Sort Attributes	A Fusion Client error was seen when the screen was refreshed after using a Dynamic Position Maintenance; the attribute and sort definitions were lost. This is resolved.	24308887
Fusion Client, Display and Sort Attributes	Attribute sort is fixed so that the attributes are rearranged when clicking calculate after changing the attribute value. On adding, the DPM label is not displayed.	25220832
Fusion Client, Dynamic Position Maintenance	On adding a new dynamic position, if the user entered a label for the new position and pressed OK (without moving focus from the Label field first), the entered Label was ignored and the new position could not be saved. This is fixed.	25068138

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Edit, Revert Cell, Undo	Fusion Client is enhanced to handle errors seen in the creation of a workbook with a lot of data in the vertical axis, to allow for scrolling when using the outline view to display all the weeks and ALL, with two or more editable measures. When the workbook opened, on scrolling down, then scrolling back up, previously the edit ALL value remained italicized if the user edited. But on editing another cell at the ALL level, it did not get italicized. This is corrected.	24471219
Fusion Client, Edit, Revert Cell, Undo	Fusion Client is fixed for read-only measures that become editable when another writable measure in the same row is updated. Fusion Client throws an error.	24529321
Fusion Client, Edit, Revert Cell, Undo	In Fusion Client, there are percent measures with a precision of 4 or more, but when user inputs a value, it automatically rounds up to only 3 decimal places. This issue is fixed.	24948526
Fusion Client, Edit, Revert Cell, Undo	When exporting workbooks with Boolean measures, editing the values, and copying to RPAS, an error occurred. The problem was when RPAS exported Boolean measures to Excel, it exported with True or False values, but when imported using the Copy from External option, these values were not converted to 1 and 0. This issue is fixed.	25205750
Fusion Client, Find	The "No more matches found. Do you want to search again" pop-up was not coming up after reaching the last occurrence in a Find Previous (on page edge) search. This is resolved.	24503350
Fusion Client, Format UI	Fusion Client threw errors on committing any changes for the Administrative Workbook. An error was generated when resizing the "Save as" screen. This issue is fixed.	23599326
Fusion Client, Format UI	Users at times observed row misalignment in Fusion Client. Stretching of the position cells was not properly reflecting on the measure cells. Both were getting misaligned with each other. This is resolved.	24520868
Fusion Client, Grid Display	Fusion Client errors occurred when the user changed the hierarchy in the x-axis to show the ALL level in outline view and, in the same the hierarchy, sorted the All level column in either ASC or DESC. While resizing the same hierarchy for the ALL level column width, an error occurred. This issue is fixed.	23742637
Fusion Client, Grid Display	Picklist in read-only mode displayed RPAS names instead of labels. Picklist in read-only mode is an output text. Picklist and output text handle data differently. Fusion Client is fixed to handle this.	25309199
Fusion Client, Grid Display	After running the custom menu, the worksheet grid was blank and none of the measures/data were being displayed. This issue is fixed.	25060031
Fusion Client, Grid Display	Product labels were getting trimmed due to a space limitation in the row headers. This is fixed and a tool tip is included so that the user can see the complete label when the user hovers over the label.	25115801
Fusion Client, Grid Scrolling and Fetching	When a user selected a hierarchy to choose which levels the user wanted to see, if the user scrolled down the hierarchy, pressed ok, and open again, in some cases the user could not see the first positions. This is corrected.	24976371

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Installer	The Fusion Client installer is modified for un-deployment. Steps are skipped during installation when an application name does not match existing deployments.	20426590
Fusion Client, Level Splitting	Fusion Client threw errors on applying a level split after applying the filter. This issue is resolved.	23539088
Fusion Client, Measure Profile	When the measure dimension was in the page edge, and any other index than the first index, changing the measure profile threw an error. This issue is fixed.	23265462
Fusion Client, Messages	When no new items were available, the message from the New Item Maintenance workbook in Fusion Client was inaccurate. This is enhanced to a more meaningful message.	24011671
Fusion Client, Mobile	Fusion Client is enhanced to support Android.	25229368
Fusion Client, Mobile	Fusion Client is enhanced for iOS 10.2. User interface (UI) issues are fixed.	25290140
Fusion Client, Page Edge and Paging	Fusion Client is enhanced so that the page edge navigation works fine for the Next navigation.	24305731
Fusion Client, Page Edge and Paging	Fusion Client is fixed so that in any workbook, including Measure Analysis, if the user scrolls on the x-axis and also uses page scrolling (z-axis), the page edge navigation buttons (< >) will not freeze for approximately 30 seconds.	24925378
Fusion Client, Performance Problem	A performance issue with improvements in the Position Filtering functionality is fixed.	24686698
Fusion Client, Position Filtering	When a measure column was selected and Save Formatting was done keeping the Measure selection, on performing Position Filtering, the UI popped up an exception saying "The content of this page failed to load as expected because data transmission was interrupted. Please try again, or contact your system administrator." This issue is resolved.	23261685
Fusion Client, Print Export	Fusion Client is enhanced so that on exporting the Excel from Fusion Client, saved workbooks are exported with the workbook name, that is, workbook_saved_name.xlsx and unsaved workbook are exported as untitled.xlsx.	24511210
Fusion Client, Print Export	When a workbook was exported in landscape format and the user attempted to print the workbook in the print preview, it is observed that by default the orientation was Portrait. This is fixed.	24686520
Fusion Client, Print Export	An error occurred when a worksheet was exported to MS Excel. It was observed that in the exported Excel sheet, the attribute labels were missing. This issue is fixed.	25095474
Fusion Client, Protection Processing	Fusion Client was allowing extended measures to stay editable when the base measure was edited. The behavior is fixed so that when the base measure is edited, the extended measure is grayed out and cannot be edited any longer.	24331049
Fusion Client, Search and Find	On searching from the pivot table in Fusion Client by using Ctrl+F and clicking the Find Previous button, instead of throwing a warning, a message box showing "No more matches found". "Do you want to start the search again?" was recursively shown to the user. This behavior is fixed.	24706898

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
Fusion Client, Security	Fusion Client setup for OID is fixed based the domain policy store, such that one can access the sample modules only with the authorized users.	20033773
Fusion Client, Security	When the application was hooked up to more than two solutions, such that if the user was locked in either of the solutions, then the user could not log in to the other solution as well. This issue is fixed.	23014883
Fusion Client, Security	When there are no connectable solutions, the control will set the atlantisException flag and Fusion Client will throw the error message appropriately.	23189536
Fusion Client, Security	If a user entered the SSH username and password while installing Fusion Client, the page had the password pre-populated the next time. Though it was masked, if the user continued the installation with the default value there, installation successfully completed. This was incorrect and is fixed.	23217199
Fusion Client, Security	Users were not getting a proper validation message when trying to open a new session that was more than the sessions allowed per the Maximum User Session Limit. To correct this issue, the "No RPAS Solutions available" message is displayed and the error is seen in the Fusion Client log file.	24911600
Fusion Client, Show Hide Measure Positions	After a measure was moved from visible to hidden and the find next button was used to search with a substring, the newly added measure was skipped at the beginning but matched with the substring at the end. This issue is fixed.	23634116
Fusion Client, Simple Sort	A position sorting issue is resolved by adding one configurable property - "alphanumeric.compare.enabled" in rpasConfig.properties file. The default value of this property is true - FC specific sort/compare algorithm enabled. If the user does not want this property, the user assigns the value of this property as false; the FC sort algorithm will be by-passed.	24968343
Fusion Client, Translation	Some Spanish strings were not translated in Fusion Client. These strings are now translated.	23298809
Fusion Client, Workbook - Calculate	Changes in measurerange did not reflect to a picklist at once; more actions were needed. After measurerange is changed, the user needed to manually trigger the transition of these changes to a target measure, for example on the video, either to "touch" a cell (without editing) or to roll up/ drill down a corresponding hierarchy. This is resolved.	24643002
Fusion Client, Workbook - Commit	When a measure having an NA value as -1 was given a value which was later removed, saved, and committed, it was observed that the null values were not passed to the database. Instead, the value 0.00 was getting saved. This issue is fixed.	25060755
Fusion Client, Workbook - Open	The drop-downs with only one option would not become read-only. The component is changed to output text when in read-only mode. This resolves the issue.	24752140

## Known Issues

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

Affected Component	Known Issue/Defect	Defect Number
RPAS Config Tools, Domain Patch	Java error received when running rpassconfigmgr.sh -merge.	24340246
RPAS Server, RPAS Hybrid Storage Architecture	TransferFactData fails when the domain is partitioned at a higher level than RDM. This happens only for shared measures which are at the level at which the domain is partitioned. For example, if the domain is partitioned at PGRP and RDM at DEPT, transferFactData fails when transferring Shared Measures with PGRP as part of the intersection.	23516373
RPAS Server, Utilities - Hierarchy Load & Export	loadHier -forceNAConsistency is not working correctly. It should enforce / populate the cell of an array with the measure's NA value when the array NA value has been changed.	25364709
Fusion Client, Measure Profile	Fusion Client errors after running the calc rule while there is a locked cell. The error will appear once the locked cell has been unlocked and change the value of the other cell.	25254330
Fusion Client, Mobile	Fusion Client does not work on SSL for iOS 10.0.2 and below.	25153532
Fusion Client, Print Export	Export to Excel should open the exported workbook, and the image should be visible as in the pivot table.	25320225

## Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 15.0.2 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 Configuration Tools User Guide*
- *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 15.0 Cumulative Fixed Issues (Doc ID 2075633.1)**

This document details the fixed issues and defects for all RPAS patch releases prior to and including the current release for the 15.0 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**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

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