

# Oracle® Retail Predictive Application Server

Release Notes

Release 16.0.3

June 2018

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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

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**Note:** The RPAS Open Database Connectivity (ODBC) driver has been used to support on-demand data extract use cases. In conjunction with on-going efforts to evolve the RPAS integration architecture to align with market needs, RPAS now supports these use cases through on-demand Online Administration Tasks and Excel exports.

The RPAS ODBC driver will be supported in the current 16.0.2 release and all previous releases. Support will be removed for all subsequent releases. It is recommended that alternatives to the RPAS ODBC driver be leveraged in future implementations. In support of this recommendation, references to the RPAS ODBC driver have been removed from the RPAS platform documentation.

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## Hardware and Software Requirements

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**Note:** Starting with the 16.0.3.10 release, RPAS includes enhanced support for the AIX 7.2 platform with binaries generated specifically for this OS version. AIX 7.1 support will continue as before. The RPAS installer will automatically select the correct AIX package for the system on which it is being installed.

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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 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. For information on upgrading, see the *Oracle Retail Predictive Application Server Administration Guide for the Classic Client*.

### Default bitSizes

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

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

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

or

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

or

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

or

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

or

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

or

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

## Noteworthy Defect Fixes

The following noteworthy defect fixes are included in this release:

Affected Component	Fixed Issue/Defect	Defect Number
RPAS Batch Control Framework	A translation issue for tasks under the bootstrap domain is fixed.	27717959
RPAS Batch Control Framework	EE Batch has added summary/timing information in logs for multi-stage tasks (timing for each calc in calc set, each meas load in a meas load set, each step in batch exec set).	27883792
RPAS Batch Control Framework	EE Batch exec now lists the contents of the incoming directory at batch start time.	27959591
RPAS Batch Control Framework	The EE Batch Load Meas task now adds the capability to specify a limit on skipped records and throws an error if the skipped records are above the limit.	27971347
RPAS Server	Messaging is modified for when a user is not able to log in due to a domain lock.	27976216
RPAS Server, Calc Engine - Elapsed Locks	Adjusting the values for the POS % metric in some months/weeks was changing more cell values than necessary. This is fixed.	27869108
RPAS Server, Custom Menu Rule Group Transition	The Failure Messaging for dynHierRefresh is fixed.	28028736
RPAS Server, Online Admin Tools	The format could not be copied from a local domain to other local domains. This is fixed by allowing the copy of the format from a local domain to other local domains using the Apply Format task.	26801682
RPAS Server, Online Admin Tools	An OAT task has been added to list the current contents of the OCI staging directory, to determine which files are already uploaded and can be reused and which are missing.	26995153
RPAS Server, Online Admin Tools	upgradeDomain is modified to automatically copy the RPAS Provided OAT xml files (if present in domain).	27581564
RPAS Server, Online Admin Tools	Time set as 12 PM for a scheduled task on the OAT Schedule Task Page was displayed as 12 AM on the Confirmation Page. This is fixed.	27630646
RPAS Server, Online Admin Tools	The Clone Domain OAT task failed when RPAS_LOG_LEVEL was set to debug mode in the user profile. This is fixed.	27731805
RPAS Server, Online Admin Tools	The Overridden measure label was not displayed correctly for a saved workbook. This issue is resolved.	27964763

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
RPAS Server, Online Admin Tools	CopyDomain with the Clone option is modified to correctly accommodate FNHBI Measures.	28034665
RPAS Server, Rpas Templates - Other	OAT REINDEXDOMAIN analyze did not include rule dimension as an option. This is now fixed by adding rule dimension to the REINDEXDOMAIN task.	27403521
RPAS Server, RpasDbServer Bridge Transactions	When the RIDE command was used to run a script, a custom message and the default exception was shown. This is fixed and now the default exception is not shown.	27643433
RPAS Server, Utilities	WBMGR -PRINT was failing if a database was corrupt. This is fixed. Instead of throwing an exception, a message is shown to the user that the workbook is corrupted.	27571625
RPAS Server, Utilities	An error occurred while using fixDomain with the hierarchy ADMU. This is now fixed and the process works correctly.	27687196
RPAS Server, Utilities	On running the Alert Manager utility on a global domain, an exception was thrown for unpartitioned alerts. This has been fixed. The user will not see any exception.	27688377
RPAS Server, Utilities	Loading a string with a "" value should show an empty string, but instead it showed a single quote ("). This has been fixed.	27839216
RPAS Server, Utilities	Validating measure statistics data against a domain using DomainDataStats failed while processing the records for the date measure with a default NA value. This is fixed.	27952096
RPAS Fusion Client, Administration	In the OCI environment, after logout, the user was redirected to a login page. Clicking on the page, the system again redirected to a new login page. This issue is fixed. The second login page does not display.	27431800
RPAS Fusion Client, Commit Status	While the Commit operation was in progress, an invalid date and time was shown in the Completion Time field. This is fixed by keeping the field blank until the Commit operation completes, after which the value is populated with the completion date and time.	27564414
RPAS Fusion Client, Custom Action	An error occurred when executing the Approve custom menu, which forced the user to log out. This is fixed.	27848003
RPAS Fusion Client, Dynamic Position Maintenance	After attempting to remove four placeholders (Dynamic Positions), Fusion Client displayed a huge blank box between the Delete and Cancel buttons in the Delete Dynamic Position Window Dialog box. Users had to scroll down all this empty space to find the Delete and Cancel buttons. The space issue is fixed.	27502908
RPAS Fusion Client, Edit, Revert Cell, Undo	Vertical scrolling using the mouse in the dropdown menu did not work. This is fixed.	25544669
RPAS Fusion Client, Grid Scrolling and Fetch	The Z slice did not move to different levels at higher than the Cluster level (Tier). The > or < arrow buttons did not progress to the next Tier when selected. This only happened when the scroll bar was moved to a different place. This is fixed and the arrow buttons navigate properly.	27583114

<b>Affected Component</b>	<b>Fixed Issue/Defect</b>	<b>Defect Number</b>
RPAS Fusion Client, Show Hide Measure Positions	Position query filtering was not resetting when moving to a level with no position queries. This is fixed by removing the position query in this case, to display the positions of the selected level.	27437643
RPAS Fusion Client, Level Splitting	An error that occurred when clicking the help link is fixed.	28080814
RPAS Fusion Client, Menus and Toolbar	The Refresh Workbook button was disabled in the Measure Analysis workbook. This is fixed.	27969362
RPAS Fusion Client, Messages	After executing stopActiveServers using DomainDaemon, it was observed that error messages, such as Unable to Connect to RPAS Server, were shown on the Fusion Client. This is fixed by displaying the message which is passed by the RPAS Server.	27658763
RPAS Fusion Client, Standard and Custom Wizard	In a corner case scenario, stale positions in the UserSelections file caused Fusion Client to not display data for the selected wizard positions. This is fixed.	27674730
RPAS Fusion Client, Worksheet PQD	When building a new workbook with position queries, the Automatically Evaluate Position Queries checkbox was unchecked. Checking it enabled the filter icon as expected, however when building the same workbook again, the Automatically Evaluate Position Queries checkbox was now checked, but the filter icon was not enabled in the view. To enable it, checkbox unchecking and rechecking was required. This is fixed and the position query state will not be retained in this case.	27763415
RPAS HSA, Utilities	The user was not able to register a domain to the Hybrid Storage Architecture (HSA) due to the presence of an empty partition. This is fixed by adding a check for this.	27937888
RPAS Configuration Tools, Validation - Workbench	Configuration Tools now validates new dimension and measure names when they are created.	25104524

## 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>
RPAS Server	On switching the axis of dimensions, the previously selected position loses focus and some different position is getting selected.	27283066
RPAS Fusion Client, Administration	In the OCI environment, an error is shown prior to the page expired pop-up when the username is in uppercase, the user opens the Admin Task Status window, and then leaves the session idle until timeout.	27456641

Affected Component	Known Issue/Defect	Defect Number
RPAS Configuration Tools, Domain Patch	After the modified configuration with removed styles for measures is patched, the removed styles are still visible to the user.	27674410

## Related Documentation

For more information, see the following documents in the Oracle Retail Predictive Application Server 16.0.3 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*

## 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 16.0 Cumulative Fixed Issues (Doc ID 2202682.1)

This document details the fixed issues and defects for all RPAS patch releases prior to and including the current release for the 16.0 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 <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

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