Oracle Agile Product Lifecycle Management for Process
Release Notes
Feature Pack 4.3
E79153-02

May 2017

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Oracle Agile Product Lifecycle Management for Process Feature Pack 4.3 Release Notes

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Contents

Preface

This document describes issues that you may encounter with this release. Internal Tracking numbers that appear in the tables are used to identify issues reported by customers. You can use these numbers to identify the issue should you need to contact Oracle Support. Locator numbers that appear in parentheses after some notes are for Oracle internal use only.

Please note that product support for data that has been imported will only extend to data that could have been entered manually in the application user interface.

Chapter 1: What's New in This Release

This chapter contains information on new product features for Feature Pack 4.3 of Oracle Agile Product Lifecycle Management for Process.

What's New in This Release?

Enhancements made for Feature Pack 4.3 are described below.

Fact Panel Reporting

New Fact Panel Layouts Available

The new FDA mandated nutrition facts format is now an available layout option in the Fact Panel Reporting pack.

For more information, see the *Agile Product Lifecycle Management for Process Fact Panel Reporting Guide*.
(622-1190)

Rich Text Editor is Extensible

Rich text editor is extensible. See the *Agile Product Lifecycle Management for Process Extensibility Guide* for more information.
(622-1407)

Hierarchy Denormalization

Hierarchy Denormalization is a former solution pack that is now a core feature in PLM for Process. You no longer need to manage this feature as a solution pack. Upgrading to 6.2.2 will REMOVE all pre-existing denormalization data and new denormalization data will need to be generated. When upgrading or activating this feature make sure to plan for the amount of time needed to generate new denormalized hierarchy structures. Refer to the *Agile Product Lifecycle Management for Process Hierarchy Denormalization Guide*, "Performance Estimation for Initial Denormalization" chapter to help estimate time needed.

Denormalization must be activated using the following steps:

a) Edit configuration file "<PLM for Process>\config\environmentvariables.config" and make the changes as below:

> *PLM4P.HierarchyDenormDetectorService.Enabled = true*
> *PLM4P.HierarchyDenormProcessorService.Enabled = true*
> *PLM4P.HierarchyDenormInspectorService.Enabled = true*

b) Edit configuration file "<PLM for Process>\config\Custom\CustomerSettings.config" and add the entry under node "<FeatureConfig></FeatureConfig>":

> *<add key="HierarchyDenorm.Auditing.LifecycleEvents.Enabled" value="true"></add>*

c) Restart RemotingContainer Service.
d) Restart IIS.

To learn more about hierarchy denormalization refer to the *Agile Product Lifecycle Management for Process Hierarchy Denormalization Guide*.
(ID-59)

LIO Includes Elements Defined as 0%

You can now include LIO elements defined as 0% in your final ingredient statement. This is enabled by default:

<setting value="true" key="LIO.DeclareZeroPercentElement.Enabled"></setting>
(ID-58)

Change Owner Web Service

You can now change the owner of GSM specifications using a GSM UI action as well as in bulk using the new Change Owner bulk action in ADMN. In addition to those features, a new web service is available that allows you to update GSM specification owners. To learn more refer to the *Agile Product Lifecycle Management for Process Web Services Guide*.
(ID-69)

Refresh Hierarchy Web Service

You can now refresh formulation hierarchies using a GSM UI action as well as in bulk using the new Refresh Hierarchy bulk action in ADMN. In addition to those features, a new web service is available that allows you to refresh formulation hierarchies. To learn more refer to the *Agile Product Lifecycle Management for Process Web Services Guide.*
 (ID-54)

Chapter 2: Resolved Issues

This chapter contains resolved issues for Feature Pack 4.3 of Oracle Agile Product Lifecycle Management for Process.

Feature Pack 4.3 Resolved Issues

The following tables outline known issues that have been resolved for Feature Pack 4.3 of Oracle Agile Product Lifecycle Management for Process.

General Resolved Issues

Table: 2-1 General Resolved Issues

Bug/Enh ID	Issue	Resolution
20360617	Example: After installing Extensibility Pack 3.10, there were LIO entries but they did not specify what version was installed. Also FlexSync and Hierarchy Navigation version information was missing.	Version information is specified with installation. (F42-81)
21802146	Need to have countries that are currently listed in English also listed in Chinese for Country of Origin (COO) data. There was an omission in the language packs and the only solution available is to write sql scripts or direct database entry. Root cause: Missed translation for table Countries.	Added translation for table Countries. (622-1147, DR 40491)

Administration Toolkit Resolved Issues

Table: 2-2 Administration Toolkit Resolved Issues

Bug/Enh ID	Issue	Resolution
24943111	Nutrient properties widget does not produce full script. Root cause: Some existing Nutrient Properties have null UNID.	It was determined that the UNID field is not required, so null validation for UNID was removed. (622-1663)

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Extensibility Resolved Issues

Table: 2-3 Extensibility Resolved Issues

Bug/Enh ID	Issue	Resolution
N/A	Since adding action validation, the following items are missing: LIO, smart issue, NPD project delete. Root cause: These were missed when the new feature was added.	Validation has been added to LIO, smart issue, and NPD project delete. (622-1605)

Custom Section Denormalization Resolved Issues

Table: 2-4 CS Denorm Resolved Issues

Bug/Enh ID	Issue	Resolution
23725223	CS Denorm performance lagged. Root cause: The issue occurs on both PIVOT mapping and DIRECT mapping. DENORM procedure generates a big JOIN statement when a custom section involves many columns/rows. The JOIN consumes much TEMP space till termination because of the pre-defined database quota.	This fix created a regional cache to reduce the similar queries when fetching data from extended attributes. Also, the big JOIN was replaced with distributed data-filling so that performance is improved. (622-1040)
25024181	The denorm update procedure for pivot tables is failing to update tables. Root cause: The issue occurs on both PIVOT mapping and DIRECT mapping. DENORM procedure generates a big JOIN statement when a custom section involves many columns/rows. The JOIN consumes much TEMP space till termination because of the pre-defined database quota.	This fix created a cache to reduce the similar queries when fetching data from extended attributes. Also, replaced the big JOIN with distributed data-filling so that performance can be made. (622-1665)
25375387	After applying Patch. 25241162 (FP 4.2.1), performance is slow when rebuilding denorm tables. Root cause: One database index is missing.	Added the index. (622-1862)

Hierarchy Denormalization Resolved Issues

Table: 2-5 Hierarchy Denormalization Resolved Issues

Bug/Enh ID	Issue	Resolution
19612764	The Hierarchy Denorm service stalls without reporting errors. Root cause: When a DENORM processor had been interrupted by an error or an unexpected RemotingContainer termination, it would produce an incorrect tree. There may be an infectivity upon bad data in HierarchyDenorm regular policy. When the tree was referenced by another hierarchy, the DIFF processor is going to check the integration of the source tree prior to copying.	The issue has been handled by the new self-health resolution. (622-1166)

Hierarchy Navigator Resolved Issues

Table: 2-6 Hierarchy Navigator Resolved Issues

Bug/Enh ID	Issue	Resolution
19680798	The hierarchy navigator did not properly update the formula input and no errors were reported in the hierarchy denorm tables. Root cause: In the DENORM runtime, there may be some situations introducing corrupted data. (For example, an incognizant of error, an unexpected termination of RemotingContainer service.) The corrupted data has infectivity, because of the pre-existing DIFF strategy which prefers to directly reuse the existing hierarchy against doing duplicate DENORM. When encountered, customer needs a complete data fix upon the bad data, especially to the origin of infection. We need a self-health strategy to automatically deal with this situation, to make everything simple.	Added an extensible inspector service in backend to help with the health-check. Once errors or mismatches are detected, will perform a proper fix. • Deliver out of box inspectors for integrity-check and expiry-check. • Add an archive detector to perform the timely purge on request history. • Add a failure detector to intelligently recover the failed requests. • HierarcyDenorm can reasonably handle the duplicated requests in the waiting queue. • Optimize the existing event capturer of HierarchyDenorm to simplify the event subscriber upon the EventingFramework. • Complete the support to new specification subtypes. • Allow HierarcyDenorm to support the 'ForceRefresh' tag. (622-1144)
20596739	When attempting to open the Excel file that is the export of a hierarchy navigator for a trade specification, user receives error saying that the file is corrupted. Root cause: If sheet name starts with a single quote, it will corrupt the Excel file.	When generating the Excel file, we will check and remove the single quote in the front of the sheet name. (622-1156)

Bug/Enh ID	Issue	Resolution
23294013	When reviewing the Event Viewer, the following / attached warning message regularly floods/spams the application logs: Could not load file or assembly 'HierarchyNavigator' or one of its dependencies. Root cause: PQM and DRL applications also load HierarchyNavigatorPanel.	Added an attribute 'AllowedApps' to Panel in config/Extensions/SidebarConfig.xml . If added to the panel, it will only be loaded in the set application. Otherwise the panel will be loaded in all applications. You can get the application name from the application's web.config, the value of 'PRODUCT_NAME'. For example by setting <Panel … AllowedApps="GSM,SCRM" … >, the panel will only be loaded in GSM or SCRM. (622-1848)

Reporting Resolved Issues

Table: 2-7 Reporting Resolved Issues

Bug/Enh ID	Issue	Resolution
19402622	The Where Used Unrestricted report does not return the same records as the Where Used query from PLM for Process. Root cause: A different query is used.	The same query is used, returning matching records. (622-1142)

LIO Extensibility Resolved Issues

Table: 2-8 LIO Extensibility Resolved Issues

Bug/Enh ID	Issue	Resolution
21839037	Grouping button in LIO tree opens popup with unhandled error. Root cause: A variable in code was null, so an error was thrown when accessing its property.	Add a null reference check in advance to avoid this error. (622-570, 622-1149)

Web Services Resolved Issues

Table: 2-9 Web Services Resolved Issues

Bug/Enh ID	Issue	Resolution
22712244	The DoesExtendedAttributeHaveValue method returns an incorrect value. Root cause: Method DoesExtendedAttributeHaveValue does not return correct value for Free Text Attributes. Now this method returns true when the attribute is empty.	With Free Text attributes, if the value is not specified, then False should be returned and when a value is present for the attribute, True should be returned. (622-1547)

Chapter 3: Hot Fixes

This chapter contains hot fixes included in Feature Pack 4.3 of Oracle Agile Product Lifecycle Management for Process.

Hot Fixes

The following table lists hot fixes that are included in the Oracle Agile Product Lifecycle Management for Process Feature Pack 4.3 release.

Table: 3-1 Hot Fixes

Hot Fix	Issue	Resolution
EP 3.13.3	See bug 23725223 in Custom Section Denormalization Resolved Issues.	23725223 (622-1040)
EP 3.13.4	Performance issues with EA Denorm service. Root cause: The issue occurs on ExtendedAttribute denormalizers for Text, Numeric, and Qualitative. When the DENORM procedure launches a JOIN statement over any huge-cardinality extended attribute table, the procedure will consume TEMP space until the procedure completes or terminates due to not enough temp space being pre-defined in the database quota.	Created a set of caches to reduce the data cardinality when fetching data from extended attributes. 24304427 (622-1403)
EP 3.13.5	Whenever calling the Oracle SpecRelationshipServicesClient API an error is returned if the specification has an activity attached to it with the 'Reference this Activity on the Specification' flag is set to true. Root cause: For "Related" relationship, fkInitiatingSpec is null. So NullReferenceException is thrown when using it under "Related" relationship.	Added null value check for fkInitiatingSpec. 24850049 (622-1445)

Hot Fix	Issue	Resolution
FP 4.2.1	For some custom sections that have PIVOT denorm models, the Denorm Update procedure fails to update the denorm table. Root cause: The issue occurs on both PIVOT mapping and DIRECT mapping. DENORM procedure generates a big JOIN statement when a custom section involves many columns/rows. The JOIN consumes much TEMP space till termination because of the pre-defined database quota.	This fix created a cache to reduce the similar queries when fetching data from extended attributes. Also, replaced the big JOIN with distributed data-filling so that performance can be made. 25024181 (622-1665)
FP 4.2.2	When using Data Administration Toolkit to manage a qualitative lookup list, user gets several duplicates which are made up of substrings of the item going to be added. Root cause: When there are more than 150 items in list, they will be displayed by alphabetic order. Actions to edit an item will invoke real-time sorting, but the index is not changing in time, which results in inconsistent data.	When more than 150 items, no need to sort the list when a certain item is being edited. It will be sorted whenever a new item is created, or switching the Parent Menu List. 25415583 (622-1768)
FP 4.2.3	See bug 25375387 in Custom Section Denormalization Resolved Issues.	(622-1862)