TIBCO® Fulfillment Order Management Release Notes

Software Release 4.0.1
May 2018

Two-Second Advantage®

Important Information

SOME TIBCO SOFTWARE EMBEDS OR BUNDLES OTHER TIBCO SOFTWARE. USE OF SUCH EMBEDDED OR BUNDLED TIBCO SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED TIBCO SOFTWARE. THE EMBEDDED OR BUNDLED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER TIBCO SOFTWARE OR FOR ANY OTHER PURPOSE.

USE OF TIBCO SOFTWARE AND THIS DOCUMENT IS SUBJECT TO THE TERMS AND CONDITIONS OF A LICENSE AGREEMENT FOUND IN EITHER A SEPARATELY EXECUTED SOFTWARE LICENSE AGREEMENT, OR, IF THERE IS NO SUCH SEPARATE AGREEMENT, THE CLICKWRAP END USER LICENSE AGREEMENT WHICH IS DISPLAYED DURING DOWNLOAD OR INSTALLATION OF THE SOFTWARE (AND WHICH IS DUPLICATED IN THE LICENSE FILE) OR IF THERE IS NO SUCH SOFTWARE LICENSE AGREEMENT OR CLICKWRAP END USER LICENSE AGREEMENT, THE LICENSE(S) LOCATED IN THE “LICENSE” FILE(S) OF THE SOFTWARE. USE OF THIS DOCUMENT IS SUBJECT TO THOSE TERMS AND CONDITIONS, AND YOUR USE HEREOF SHALL CONSTITUTE ACCEPTANCE OF AND AN AGREEMENT TO BE BOUND BY THE SAME.

ANY SOFTWARE ITEM IDENTIFIED AS THIRD PARTY LIBRARY IS AVAILABLE UNDER SEPARATE SOFTWARE LICENSE TERMS AND IS NOT PART OF A TIBCO PRODUCT. AS SUCH, THESE SOFTWARE ITEMS ARE NOT COVERED BY THE TERMS OF YOUR AGREEMENT WITH TIBCO, INCLUDING ANY TERMS CONCERNING SUPPORT, MAINTENANCE, WARRANTIES, AND INDEMNITIES. DOWNLOAD AND USE THESE ITEMS IS SOLELY AT YOUR OWN DISCRETION AND SUBJECT TO THE LICENSE TERMS APPLICABLE TO THEM. BY PROCEEDING TO DOWNLOAD, INSTALL OR USE ANY OF THESE ITEMS, YOU ACKNOWLEDGE THE FOREGOING DISTINCTIONS BETWEEN THESE ITEMS AND TIBCO PRODUCTS.

This document contains confidential information that is subject to U.S. and international copyright laws and treaties. No part of this document may be reproduced in any form without the written authorization of TIBCO Software Inc.

TIBCO, Two-Second Advantage, TIBCO ActiveMatrix BusinessWorks, TIBCO Runtime Agent, TIBCO Administrator, and TIBCO Enterprise Message Service, are either registered trademarks or trademarks of TIBCO Software Inc. in the United States and/or other countries.

Enterprise Java Beans (EJB), Java Platform Enterprise Edition (Java EE), Java 2 Platform Enterprise Edition (J2EE), and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle Corporation in the U.S. and other countries.

All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification purposes only.

THIS SOFTWARE MAY BE AVAILABLE ON MULTIPLE OPERATING SYSTEMS. HOWEVER, NOT ALL OPERATING SYSTEM PLATFORMS FOR A SPECIFIC SOFTWARE VERSION ARE RELEASED AT THE SAME TIME. SEE THE README FILE FOR THE AVAILABILITY OF THIS SOFTWARE VERSION ON A SPECIFIC OPERATING SYSTEM PLATFORM.

THIS DOCUMENT IS PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

THIS DOCUMENT COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THIS DOCUMENT. TIBCO SOFTWARE INC. MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S) AND/OR THE PROGRAM(S) DESCRIBED IN THIS DOCUMENT AT ANY TIME.

THE CONTENTS OF THIS DOCUMENT MAY BE MODIFIED AND/OR QUALIFIED, DIRECTLY OR INDIRECTLY, BY OTHER DOCUMENTATION WHICH ACCOMPANIES THIS SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY RELEASE NOTES AND "READ ME" FILES.

Copyright © 2010-2018 TIBCO Software Inc. ALL RIGHTS RESERVED.

Contents

TIBCO Documentation and Support Services 5
New Features 6
Changes in Functionality 7
Migration and Compatibility 8
Deprecated and Removed Features 9
Closed Issue 10
Known Issues 12

TIBCO Documentation and Support Services

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit https://docs.tibco.com.

Product-Specific Documentation

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO Fulfillment Order Management Installation and Configuration Guide*
- *TIBCO Fulfillment Order Management User's Guide*
- *TIBCO Fulfillment Order Management Administration Guide*
- *TIBCO Fulfillment Orchestration Suite Getting Started Guide*
- *TIBCO Fulfillment Orchestration Suite Best Practices Guide*
- *TIBCO Fulfillment Order Management Concepts and Architecture Guide*
- *TIBCO Fulfillment Order Management Web Services Guide*
- *TIBCO Fulfillment Order Management Release Notes*

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit http://www.tibco.com/services/support.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at https://support.tibco.com.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to https://support.tibco.com. If you do not have a user name, you can request one by clicking Register on the website.

How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from TIBCO products. In addition, users can submit and vote on feature requests from within the TIBCO Ideas Portal. For a free registration, go to https://community.tibco.com.

New Features

The following new features have been added to TIBCO Fulfillment Order Management 4.0.1.

OPE Compatibility with Red Hat OpenShift

Offer and Price Engine (OPE) is updated to be compatible with Red Hat Openshift v3.7. This includes the following changes:

- External database configuration
- External application logging configuration
- Health and liveness endpoints
- Hawkular monitoring support

For more information, see the "OPE Compatibility with Red Hat OpenShift" section in the *TIBCO Fulfillment Order Management Administration Guide*.

OPE Java Extension for Customization

Offer and Price Engine can be customized to support the functionalities that can be integrated by using the Java extension. All OPE web services can be extended using custom configurations in the specified hooks while requests execution. For more information, see the "Offer and Price Engine Java Extension" section in the *TIBCO Fulfillment Order Management User's Guide*.

Changes in Functionality

The are no changes in functionality in the 4.0.1 version of Fulfillment Order Management.

Migration and Compatibility

There are no migration and compatibility features in the 4.0.1 version of Fulfillment Order Management.

Deprecated and Removed Features

There are no deprecated or removed features in the 4.0.1 version of Fulfillment Order Management.

Closed Issue

The following table lists closed issues in TIBCO Fulfillment Order Management 4.0.1:

Key	Summary
AF-8087	OPE GetPrices Evaluation was performed for Multiple Segments with Same Type Using AND operator.
AF-8086	Long restart time required for OPE.
AF-8056	Segment compatibility checking for products was enforced. GetOffer filter by category was not working when combined with segment compatibility checking.
AF-8029	Category checking through child products was enabled by OPE request Control.
AF-7843	A StackOverflow exception would occur after order amendment if two planItems had intermediate milestones dependencies on each other.
AF-7824	The OPE ValidateOffer web service response would be different with the same ValidateOffer web service request.
AF-7822	The price model fetch from the database is now done in chunks like the product model fetch process.
AF-7821	The Plan Item Milestone Release request event would send unexpectedly.
AF-7812	When there was an ORDER_ALREADY_BEING_CANCELLED error, the jdbc pool would increase and not return connections to the pool.
AF-7805	A product was missing in the execution plan when ProductComprisedOf=false with an empty LinkID.
AF-7799	You can now apply IncompatibleSegment to a LinkID for the OPE ValidateOffer web service. To implement this, add a UDF with the name 'SegmentLinkID' under the seg:Segment element as well as under the orderline UDF where you want to map LinkID under the validateOffer request.
AF-7798	RequiredByDate was not in the plan in case of affinity.
AF-7797	After canceling an order, the plan remained in EXECUTION state due to an extra dependency.
AF-7796	Messages obtained from the tibco.aff.orchestrator.planItem.execute.reply queues were not getting acknowledged, and the application was processing the same message multiple times.
AF-7795	When sending an order, the fault soap error "org.apache.cxf.binding.soap.SoapFault: No security action was defined!" occurred intermittently.

Key	Summary
AF-7794	After installing TIBCO Fulfillment Order Management 3.0.2 HF-4, the planfragment remained in the PENDING state due to an extra dependency in the plan when submitting an order.
AF-7793	Messages including replies for all TDS operations are persistent. These messages can be made non-persistent using the provided configurations.
AF-7792	AFter publishing a catalog from TIBCO Fulfillment Catalog to TIBCO Fulfillment Order Management, the OPE GetOffer response had misisng products.
AF-7790	OPE was incorrectly calculating the number of products while evaluating the requiredProductgroup characteristics for the GetPrices web service.
AF-7558	By default, the Docker container had not used the same time zone as the host machine.
AF-7400	When an order was withdrawn, the activity log was not there for the order withdrawn and the entry was not seen in the audit_trail table.
AF-7363	When com.tibco.af.oms.enableOfferValidation=true in ConfigValues_OMS.xml and com.tibco.fom.aopd.deployMode=AOPD_colocated in profiles.properties, canceled orders were pending in the amendment queue.

Known Issues

The following table in this section lists known issues.

Change Request ID	Summary
AF-8104	**Summary:** An error occurs, while executing the `processPurgeModel` and `processMessage` purge methods due to duplicate call. **Workaround:** None
AF-7700	**Summary:** Planitemid in the childID tag gives the wrong value. **Workaround:** None.
AF-7662	**Summary:** When using Internet Explorer 11 for OCS user is not able to add product or bundle in the cart. **Workaround:** Use a different compatible browser such as Google Chrome or Firefox.
AF-7652	**Summary:** After changing the date format for OMS UI Dashboard in Configurator and restarting the OMS UI, the date format is not updated. **Workaround:** None.
AF-7651	**Summary:** The layout of the Required By Date calendar on the Edit Order page of the OMS UI is too tight to select the date. **Workaround:** Type the date manually.
AF-7945	**Summary:** An exception error occurs in the oms-ui logs, when you click the **Jeopardy** on dashboard. **Workaround:** None.
AF-7944	**Summary:** The system fails to display the Gantt chart on the Google Chrome version 65 browser. **Workaround:** Use Google Chrome version 59 browser to view GANTT chart.
AF-7943	**Summary:** The system fails to restore the Fulfillment Order Management 4.0.0 files after the uninstallation of Fulfillment Order Management 4.0.1. **Workaround:** Delete the `.SPBackup` folder, uninstall Fulfillment Order Management 4.0.1, and reinstall Fulfillment Order Management 4.0.1.
AF-7636	**Summary:** In OCS, if user makes a modification and then cancels it, the product customization does not get refreshed with the original values. **Workaround:** None.
AF-7632	**Summary:** In OCS, pagination is missing for the Order History Details page. **Workaround:** None.

Change Request ID	Summary
AF-7628	**Summary:** OCS does not search product or bundle that is mentioned in the search criteria. **Workaround:** None.
AF-7625	**Summary:** OCS pagination is not displaying all pages listed. **Workaround:** None.
AF-7544	**Summary:** The node finder requires all clients to be in the same time zone when using a PostgresSQL database. **Workaround:** None.
AF-7495	**Summary:** After the OCS login page loads, an exception in the logs is seen: `com.tibco.fom.ocs.security.login.ServerException: Invalid XSFR token`. **Workaround:** None.
AF-7454	**Summary:** Execute permission for all the micro services is not present. **Workaround:** None.
AF-7399	**Summary:** The inflow order gadget is not seen properly when you restore the minimized view of the gadget. **Workaround:** None.
AF-7396	**Summary:** In MOPD, the Gantt chart does not display milestone details when the plan is in draft state. **Workaround:** None.
AF-7391	**Summary:** OMSUI displays the message `Changing product will remove existing dependencies on PLANITEM. Do you wish to continue?` while adding a new planitem for the first time. **Workaround:** None.
AF-7386	**Summary:** OMSUI hangs when you change the milestone ID of an existing intermediate milestone. **Workaround:** None.
AF-7385	**Summary:** GetOrderExecutionPlan for a MOPD order with time dependency gives the error `Invalid content was found starting with element 'ns6:timeDelta'.` **Workaround:** None.
AF-7384	**Summary:** The Gantt chart does not show the product ID for a newly added plan item after selecting only productid. **Workaround:** None.

Change Request ID	Summary
AF-7383	**Summary:** After amending an MOPD order, the UI gives an error saying `Amendment failed contact system administrator`. **Workaround:** None.
AF-7382	**Summary:** OMS UI gives a scripting error when the user tries to add a custom header UDF to an order that is in suspended state **Workaround:** None.
AF-7381	**Summary:** The ProductId search pagination displays the wrong number of records. **Workaround:** None.
AF-7377	**Summary:** OMSUI does not show the newly added planitem when the user navigates from the Order Details page to the Manual Plan page **Workaround:** None.
AF-7152	**Summary:** The GetOrders web service gives a SOAP error on filtering based on the orderheaderUDF. **Workaround:** None.
AF-6681	**Summary:** If the filter "headerUDF" is used in the request for the GetOrders webservice, a "NO_RECORD_LIST" error appears in the response. **Workaround:** None.
AF-6646	**Summary**: In the Configurator you cannot edit the drop down list for Pooled Data Source URL. **Workaround:** None.
AF-6349	**Summary:** OCS is not able to load models with building blocks. **Workaround:** None.
AF-5928	**Summary:** In OCS, the "Non Sellable Type" list configurable by the administrator user has no effect; types configured in this list are still be displayed by the catalog pages. **Workaround:** None.
AF-5922	**Summary:** In OCS during the amendment flow, the edit link for the order line may disappear after displaying the original order in the modal window. **Workaround:** Go back to the Shopping Cart page. Then go to the Checkout page; there you can edit the order line.
AF-5918	**Summary:** In OCS after a subscriber search, when the home link is clicked, the number of subscribers from the previous search stays on the screen **Workaround:** The next subscriber search will clear and refresh this display.

Change Request ID	Summary
AF-5908	**Summary:** The OCS application may not work if the catalog data files reach a high level of complexity (more than 1000 files with groups defined in products). **Workaround:** None.
AF-5906	**Summary:** The OCS server startup may take time to load the catalog file when it exceeds a number of reach a complexity, for example, when there are lots of groups defined in the catalog. **Workaround:** None.
AF-5896	**Summary:** On Rule Config Search, the filter by `Creation Timestamp` and the filter by `Last Update TimeStamp` does not work. **Workaround:** None.
AF-5894	**Summary:** With TIBCO Fulfillment Provisioning orders, a scripting error occurs if user searches order using the same filter a couple of times. **Workaround:** None.
AF-5893	**Summary:** With TIBCO Fulfillment Provisioning orders, the activity log for `FP order id search` displays the wrong number of notifications when the user comes back from `FP orderLine ID search`. **Workaround:** None.
AF-5844	**Summary:** When canceling the modification of an order, the confirmation window does not close in some cases. **Workaround:** When timeout occurs, refreshing the browser stops this endless behavior, and goes to login page.
AF-5816	**Summary:** UDF list in the configurator does not work properly. The scroll bar is not present to navigate through the list until typing the UP or DOWN key on the keyboard, and once the box for adding a new entry is deleted, there is no way to add it again. **Workaround:** None.
AF-5783	**Summary:** On the Jeopardy Management SMTP notification channel, the "From" field does not support multibyte characters. **Workaround:** None.
AF-5768	**Summary:** When adding a product in the cart with some quantity in OCS, the original price of the product gets changed. **Workaround:** None.
AF-5767	**Summary:** OCS with Internet Explorer, gives scripting error while viewing plan **Workaround:** Configure the X-XSS-Protection header on the server side (OMS). This will tell IE to disable XSS protection on OCS side.

Change Request ID	Summary
AF-5766	**Summary:** On IE11: When user accesses Demo Subscriber Inventory in OCS, an error is thrown in the log, LoadBalancer-Https: ERROR [ajp-bio-8016-exec-4] SignatureSecurityFilter Invalid body in request for signature method HmacSHA1 **Workaround:** None.
AF-5756	**Summary:** In OCS, when the page is open for a long time, it may not redirect to the login page; therefore, an operation on the displayed page may raise an error. **Workaround:** Refresh the page so the UI redirects to login page.
AF-5725	**Summary:** When using the TIBCO Configurator, selecting Jeopardy Management, and then selecting configuration change to Order Management System, the cluster outline remains to JEOMS. **Workaround:** None.
AF-5666	**Summary:** In OCS, sometimes the list of orders in order history is loaded twice, and may refer to a bad reference. **Workaround:** Refresh the page.
AF-5638	**Summary:** The pagination number is not consistent while displaying orders for order history in OCS. **Workaround:** None.
AF-5620	**Summary:** Throttling does not work for orders sent in bulk. More orders than what is set for the Default Load Capacity goes into execution. **Workaround:** None.

AF-5135	**Summary:** If invoking a purge using SQL scripts when data is in `ORDER_UDF_DATA_MAPPER`, a constraint violation error occurs.
	Workaround: Perform the following steps to add the changes manually:
	1. Add the following entry in the `MigrateForPurge.sql` file:
	`ALTER TABLE ORDER_UDF_DATA_MAPPER DROP CONSTRAINT <Name of Foreign key on ORDERID column>;`
	`ALTER TABLE ORDER_UDF_DATA_MAPPER ADD (FOREIGN KEY (ORDERID) REFERENCES ORDERS (ORDERID) ON DELETE CASCADE);`
	2. Run the script `MigrateForPurge.sql`.
	3. Execute the purge.

AF-5102	**Summary:** External Dependency does not wait for dependency to be released if eventID or eventName element value is empty. External Dependency is sent before planitem is sent to the ProcessComponent. PlanItem is directly sent to the ProcessComponent for the order to complete. **Workaround:** None.

Change Request ID	Summary
AF-5098	**Summary:** If you want to cancel an order when AOPD is in stand-alone mode and feasibility is enabled, the error handling for feasibility fails with a `java.lang.IllegalArgumentException`. **Workaround:** None.
AF-4867	**Summary:** The categories below "OMS - Web Service Configuration are not seen on TIBCO Configurator UI. **Workaround:** Click on the "Advanced" tab on Configurator. There you can see the properties with "Basic " visibility, as well as with the "Advanced" visibility with the proper scroll bar.
AF-4861	**Summary:** Tool tip when hovering over icon in TIBCO Configurator is not shown. **Workaround:** None.
AF-4860	**Summary:** When the session has expired in TIBCO Configurator, the pop-up message: "The session is expired. You need to re-login." appears once again after clicking OK. **Workaround:** None.
AF-4857	**Summary:** In TIBCO Configurator after clicking logout, and then clicking cancel when asked "Are you sure that you want to log out?," the property configurator automatically logs out. **Workaround:** None.
AF-4245	**Summary:** If an order submitted with a future date gets cancelled, all the milestones goes into the COMPLETE status. However, the time dependency remains in the PENDING status. **Workaround:** None.
AF-4226	**Summary:** The purge product web service is incorrectly purging products bifurcated using comma separated values. **Workaround:** None.
AF-3597	**Summary:** For an order amendment, the incorrect plan is generated if the 'SequenceDirection' flag is used in the ProductDependsOn relationship. **Workaround:** None.
AF-2379	**Summary:** Sometimes background color of GANTT chart is lost when zoomed in at Millisecond level. **Workaround:** Background color coding can be viewed correctly in zoom level seconds and above.

Change Request ID	Summary
AF-2373	**Summary:** At higher zoom level typical icon might appear coming ahead of the section level bar. **Workaround:** Try viewing the Gantt at Millisecond level. You will find that the icon is placed correctly or see the tooltip by hovering over the typical end icon and section level bar. You will be able to find out the exact time for typical end and section level bar.
AF-2337	**Summary:** Tooltip for attributes in the condition builder or template builder will show "
" instead of line feed. **Workaround:** None.
AF-2226	**Summary:** TIBCO Fulfillment Order Management Configurator does not validate the input values for the configuration properties against the expected data type thereby allowing even strings for an integer valued properties such as timeout, HTTP port and so on. **Workaround:** None.
AF-1642	**Summary:** Not a regular scenario. Javascript error only appears when you perform maximize, minimize, and restore gadget actions in sequence in small duration of time. **Workaround:** None.
AF-813	**Summary:** Invalid rows are retrieved while filtering the orders based on the Submitted Date filter (between < , <=, >, >=). **Workaround:** None.