TIBCO® BPM Enterprise

Release Notes

Version 5.5.0 | March 2024

Copyright © 2015-2024. Cloud Software Group, Inc. All Rights Reserved.

Contents

Contents 2

New Features 3

Changes in Functionality 5

Deprecated and Removed Features 6

Migration and Compatibility 7

Upgrading TIBCO BPM Enterprise from 5.x to 5.5.0 7

Closed Issues 8

Known Issues 13

TIBCO Documentation and Support Services 14

Legal and Third-Party Notices 16

New Features

The following features have been added in this release of TIBCO® BPM Enterprise.

Enhance Searchable Attributes of Case Classes

You can now define up to 30 searchable attributes for any case class, this includes attributes from classes composed directly or indirectly from the case class.

Supports Logging in Script Task with Conditional Logging Levels

You can now specify the logging levels such as DEBUG, WARN, ERROR, or INFO for the log messages.

Supports Conversion of BOM Object and JSON String

By using the utility function, you can now convert BOM objects to JSON strings, and convert conversely, JSON strings to BOM objects.

Supports JDBC Shared Resource

You can now add the JDBC resource template, which represents a JDBC connection that is used by component implementations to access databases.

Note: The database activity can be configured to use either PostgreSQL database or the TIBCO BPM Enterprise database type. For example, during installation, if you choose Oracle database for TIBCO BPM Enterprise, the database activity can be configured to use either Oracle or PostgreSQL at the run time.

Supports Outbound SSO OpenID Connect

You can now create authenticated requests from BPME to other systems providing REST Service by using OpenID Connect authentication.

Support for Client Credentials Flow in OpenID Connect

TIBCO® BPM Enterprise now supports exchange of application credentials, such as client ID and client secret, to authenticate API access.

Display of Process ID in Process Instances Audit View

You can now find an instance in the process instances audit view to see the audit information of a particular process instance by entering its ID.

Supports Auto-Migration for 4.x Decimal or Integer Data types in BOM

You can now auto-migrate decimal or integer data types when migrating a project from TIBCO® BPM Enterprise 4.x to 5.x.

Supports Export of Data to CSV Format

You can now export data into CSV format.

Changes in Functionality

No functionality changes have been made in this release of TIBCO® BPM Enterprise.

Deprecated and Removed Features

The following feature has been deprecated as of this release of TIBCO® BPM Enterprise.

Affected Component	Description	Deprecated in Release
CentOS 7.x 64-bit on x86-64	CentOS 7.x is deprecated.	5.5.0

Note:
Platform support is aligned with industry technical support.

Migration and Compatibility

The following information provides migration procedures for this release of TIBCO® BPM Enterprise.

This release of TIBCO BPM Enterprise is compatible with TIBCO Business Studio™ - BPM Edition 5.5.0.

Application designs released in earlier versions can be migrated with the latest version of TIBCO Business Studio - BPM Edition. For more information, see the "Importing Pre-Version 5.x Projects into TIBCO Business Studio - BPM Edition Version 5.x" topic in the *TIBCO Business Studio™ - BPM Edition Application Designer's Guide*.

Upgrading TIBCO BPM Enterprise from 5.x to 5.5.0

To upgrade TIBCO BPM Enterprise from 5.x to 5.5.0, perform the following steps:

1. Ensure that no TIBCO BPM Enterprise container or pod is running.
2. Upgrade the database using the utility command. For more information, see the "Creating the TIBCO BPM Enterprise Database" topic in the *TIBCO® BPM Enterprise Installation Guide*.
3. Provide the latest version of the docker image into the PaaS environment. For more information, see the "Create a Kubernetes Deployment" topic in the *TIBCO® BPM Enterprise Installation Guide*.
4. Deploy the latest setup. For more information, see the "Configure Environment Variables" topic in the *TIBCO® BPM Enterprise Installation Guide*.

Closed Issues

The following issues have been fixed in this release of TIBCO® BPM Enterprise.

Key (Case ID)	Summary
ACE-7793	When multiple cases are created and updated in the same STP process by using multiple parallel threads, contention of DB tables is noticed.
ACE-7756 (02223051)	When the process engine background jobs are implemented, the following things are missed: • Threads fail to pick up new interval times dynamically. • The thread enabled to reprocess pending messages that have not expired is not implemented. • bpelUnclaimedPendingMsg style properties are incorrectly used for the “delete expired messages” thread rather than the bpelPendingMessageProcessor style properties as implemented in BPME version 4.x.
ACE-7469 (02214737)	When correlation with data is added, the code, which handles the messages sent before an instance, reaches the modified receive task to search instances either by process instance ID or the supplied correlation data. If the supplied correlation data is an empty string, this check might signal the wrong receive tasks by a message meant for another instance.
ACE-7464 (02217122)	In the Microsoft Azure SQL database, the queries used to cleanup the `inst_notifications` cause deadlocks.
ACE-7354 (02215574)	While migrating the project from TIBCO® BPM Enterprise

Key (Case ID)	Summary
	4.3.2 to TIBCO® BPM Enterprise 5.x, the case reference passed by page flow is enclosed in the double quotes. When you pass such a case reference, the read function in the case manager fails to read the data.
ACE-7344 (02213925)	When a field is undefined, the Script engine returns the value as null rather than an engine specific undefined type.
ACE-7343	There is a difference in the number of options when the option list control is marked as required or not required. When the control is not required, an explicit **Select** option is displayed that you can use to unset the value. When the required status is dynamically changed, the options fail to .
ACE-7342 (02206827)	When you paginate through the grid pane, clicking the document link on the table does not do anything.
ACE-7337 (02212410)	Update the process audit purge queries for the Oracle server and the SQL server to be more accurate and efficient so that they would correctly use the existing database indexes.
ACE-7281	The number of threads per application or subprocess call that can run scripts simultaneously through the script engine are inadequate.
ACE-7280 (02189530)	You cannot configure the cache size of the sequence case ID on the Administrator UI.
ACE-7258 (02209370)	When retrying a HALTED process instance, you cannot skip the task that causes the instance to halt on the Administrator UI.
ACE-7252 (02209370)	When retrying a HALTED process instance, it is not possible to skip the task that caused the instance to halt

Key (Case ID)	Summary
	from API.
ACE-7218 (02189530)	When the container is started, the product version is not displayed in the container logs.
ACE-7215 (02196106)	Process engine does not load the correct major version of subprocess project after the container is restarted. When calling a subprocess, the engine attempts to reload the processes from the database into its cache. The code that builds the cache does not consider the version ranges specified in the project and always loads the highest major version available, instead of the major version required by the parent project. This causes the subprocess call to fail.
ACE-7180 (02191007)	If a process instance contains multiple references to the same case, the statistics collector fails to update its list of case references for the process.
ACE-7110 (02191006)	The logging framework does not support the dynamic setting of the logOutputFormat property, which is set to a value of COLUMN, RFC5424, or JSON to change the format in which BPME log messages are displayed.
ACE-7054 (02182414)	The input and output payloads to REST calls are not logged.
ACE-7053 (02182421)	The width of the left pane in the BPME Client apps (Work manager, Case Manager, and Administrator) UI is fixed in a certain ratio of the screen, which cannot be extended.
ACE-7039 (02181904)	If the RASC contains a BOM object, which has the reference of another BOM class, the RASC deployment fails.
ACE-7030	The deployment metrics display deployed applications

Key (Case ID)	Summary
	as '1' even if no applications are deployed.
ACE-7026	Results are incorrectly displayed sometimes in the application list, when multiple filters are applied.
ACE-7025	On the 'Organization Model Management Service' page of the API Explorer, the URL does not direct to the latest relevant RFC external link.
ACE-7019 (02154997)	In a DB2 setup, RQL expressions are not evaluated consistently and hence, the work items do not show up in the work manager.
ACE-7005	When a major version is changed without any changes in the BOM project, the process project does not regenerate forms.
ACE-6995 (02164813)	During a BPME call, you are experiencing a timeout due to a lock on a table.
ACE-6949	"Terms of service" does not redirect to the 5.4.0 license in the API Explorer non-client feature YAML.
ACE-6939	For a BPME setup with a DB2 or Oracle database, when you search for cases with specific special characters, the following error message is displayed: java.lang.IllegalArgumentException: Invalid URL encoding: Incomplete trailing escape (%) pattern
ACE-6800	When using SSO, if you open the work manager after a valid client session, the work manager does not return to the work manager home page.
ACE-6701	You cannot trace the published or the subscribed events sent by the system from the utility method.
ACE-6587	You cannot filter a work view with an empty description

Key (Case ID)	Summary
	by using the description filter parameter on the UI.
ACE-6329	When you do not use filters, in some cases, you are unable to find a process in the process template list.
ACE-5446	Resources list in Organization browser display does not accurately reflect when the resources fetch count is modified in the settings.

Known Issues

The following issues exist in this release of TIBCO® BPM Enterprise.

Key	Summary and Workaround
ACE-7481	**Summary**: Within the script task, code can be written to check the log levels and print statements based on the logging levels set. For the logging level change to have an impact on the script tasks, you are required to restart the container. **Workaround**: None.
ACE-2800	**Summary**: When a user tries to upload or download an exported application from the TIBCO® BPM Enterprise runtime application, the action fails with the following error message: `Error creating artifact [cs@_#s/component.css], file has no size specified in the ZIP [-1] - please ZIP the application again and retry.` **Workaround**: Extract the application and compress it again using the compress tool. Upload the compressed application again.
ACE-2222	**Summary**: The page flow engine does not allow an event of a running instance of a page flow to be invoked. **Workaround**: None.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

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

The Product Documentation website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The documentation for this product is available on the TIBCO® BPM Enterprise Product Documentation page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our product Support website.
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the product Support website. If you do not have a username, 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 TIBCO Community.

Legal and Third-Party Notices

SOME CLOUD SOFTWARE GROUP, INC. (“CLOUD SG”) SOFTWARE AND CLOUD SERVICES EMBED, BUNDLE, OR OTHERWISE INCLUDE OTHER SOFTWARE, INCLUDING OTHER CLOUD SG SOFTWARE (COLLECTIVELY, “INCLUDED SOFTWARE”). USE OF INCLUDED SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED CLOUD SG SOFTWARE AND/OR CLOUD SERVICES. THE INCLUDED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER CLOUD SG SOFTWARE AND/OR CLOUD SERVICES OR FOR ANY OTHER PURPOSE.

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

This document 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 Cloud Software Group, Inc.

TIBCO, the TIBCO logo, the TIBCO O logo, Business Studio, TIBCO Business Studio, and Spotfire are either registered trademarks or trademarks of Cloud Software Group, Inc. in the United States and/or 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. You acknowledge that all rights to these third party marks are the exclusive property of their respective owners. Please refer to Cloud SG’s Third Party Trademark Notices (https://www.cloud.com/legal) for more information.

This document includes fonts that are licensed under the SIL Open Font License, Version 1.1, which is available at: https://scripts.sil.org/OFL

Copyright (c) Paul D. Hunt, with Reserved Font Name Source Sans Pro and Source Code Pro.

Cloud SG 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 a specific version of Cloud SG software 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. CLOUD SG MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S), THE PROGRAM(S), AND/OR THE SERVICES DESCRIBED IN THIS DOCUMENT AT ANY TIME WITHOUT NOTICE.

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 "README" FILES.

This and other products of Cloud SG may be covered by registered patents. For details, please refer to the Virtual Patent Marking document located at https://www.tibco.com/patents.

Copyright © 2015-2024. Cloud Software Group, Inc. All Rights Reserved.