



TIBCO BusinessEvents® Enterprise Edition

Release Notes

*Version 6.1.2
January 2022*



Contents

Contents	2
New Features	3
Changes in Functionality	4
Deprecated and Removed Features	5
Migration and Compatibility	6
Closed Issues	7
Known Issues	8
TIBCO Documentation and Support Services	13
Legal and Third-Party Notices	16

New Features

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

- **Apache Log4j Upgrade**

The Apache Log4j library is upgraded to address security vulnerabilities.

Changes in Functionality

No functionality changes have been made in this release of TIBCO BusinessEvents Enterprise Edition.

Deprecated and Removed Features

No features have been deprecated or removed as of this release of TIBCO BusinessEvents Enterprise Edition.

TIBCO Software, Platforms, and Third-Party Software

For the updated list of supported TIBCO Software, platforms, and third-party Software, see the `readme.txt` file provided with TIBCO BusinessEvents.

Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of TIBCO BusinessEvents Enterprise Edition.

Migrating Data from Old TIBCO BusinessEvents Projects to Version 6.x

You can migrate data from Legacy ActiveSpaces clusters to the newly supported store and cluster providers in TIBCO BusinessEvents by using the store deployment scripts. Also, while migrating the project, you can choose to use the new ID implementation in the project. For details, see "Migrating Data from Old TIBCO BusinessEvents Projects to Version 6.x" in *TIBCO BusinessEvents Developer's Guide*.

Closed Issues

The following issues have been closed in this release of TIBCO BusinessEvents Enterprise Edition:

Key	Summary
BE-30620	In TIBCO Administrator, logs are not shown for TIBCO BusinessEvents applications.

Known Issues

The following issues exist in this release of TIBCO BusinessEvents Enterprise Edition.

Key	Summary and Workaround
BE-29926	<p>Summary An exception occurs while starting the TEA agent on Solaris x86-64 platform.</p> <p>Workaround Add the <code>tibco.env.CUSTOM_EXT_PREPEND_CP=%BE_HOME%/lib/ext/tpcl/tomsawyer/xml-apis.jar</code> property to the <code>be-teaagent.tra</code> file located at <code>BE_HOME/teaagent/bin</code>.</p>
BE-29896	<p>Summary When the Apache Ignite RMS engine is stopped using the Ctrl+C keys for Unix platform, exceptions or post-RTC errors are observed.</p> <p>Workaround None</p>
BE-29399	<p>Summary A <code>java.lang.UnsatisfiedLinkError</code> exception occurs during the ActiveSpaces store schema generation or migration when all of the following conditions are true:</p> <ul style="list-style-type: none"> • <code>ACTIVESPACES_HOME/lib</code>, <code>ACTIVESPACES_HOME/bin</code>, <code>FTL_HOME/lib</code> and <code>FTL_HOME/bin</code> are not added to the system environment <code>PATH</code> variable. • The <code>tibco.env.FTL_HOME</code> and <code>tibco.env.ACTIVESPACES_HOME</code> variables are set in <code>be-engine.tra</code> (or <code>be-storeddeploy.tra</code>) and <code>studio.tra</code> files. <p>Workaround Set <code>FTL_HOME</code> and <code>ACTIVESPACES_HOME</code> in the user system path variable.</p>
BE-28956	<p>Summary On AIX and zLinux platforms, the <code>be-storeddeploy</code> utility does not work.</p> <p>Workaround</p> <ol style="list-style-type: none"> 1. Navigate to <code>BE_HOME\bin</code> and open the <code>be-storeddeploy.tra</code> file for

Key	Summary and Workaround
	<p>editing.</p> <ol style="list-style-type: none"> In the <code>be-storeddeploy.tra</code> file, remove the following property from <code>java.extended.properties</code>: <code>--add-opens java.base/jdk.internal.misc=ALL-UNNAMED</code> Save the file and rerun the <code>be-storeddeploy</code> utility.
BE-28918	<p>Summary The Persistence Policy field for the Shared Nothing persistence cannot be updated, but it is still displayed in the CDD.</p> <p>Workaround None</p>
BE-28707	<p>Summary TIBCO BusinessEvents Studio does not validate logger implementation during project import.</p> <p>Workaround None</p>
BE-28322	<p>Summary In TIBCO BusinessEvents project, the data is always stored in non-persistent TIBCO FTL stores that are managed by FTL persistence service, regardless of the storage type configured through the CDD editor (such as Store, None, and Shared Nothing).</p> <p>Workaround None</p>
BE-27591	<p>Summary Display Model is not supported in TIBCO BusinessEvents WebStudio.</p> <p>Workaround None</p>
BE-27368	<p>Summary On the RedHat 8 platform, in TIBCO BusinessEvents Studio, the existing and newly added extended properties of state machine nodes cannot be edited.</p> <p>Workaround To edit the properties, add a new group of the properties and save the artifact.</p>
BE-27321	<p>Summary The TIBCO BusinessEvents engine log contains the following warnings from the Javassist library:</p>

Key	Summary and Workaround
	<pre> WARNING: An illegal reflective access operation has occurred WARNING: Illegal reflective access by javassist.ClassPool (file:<BE_ HOME>/lib/ext/tpcl/javassist.jar) to method java.lang.ClassLoader.defineClass (java.lang.String,byte [],int,int,java.security.ProtectionDomain) WARNING: Please consider reporting this to the maintainers of javassist.ClassPool WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations WARNING: All illegal access operations will be denied in a future release </pre> <p>This is a known issue of the Javassist library.</p> <p>Workaround None</p>
BE-25784	<p>Summary The default or custom prefetch size is not displayed in the logger line.</p> <p>Workaround None</p>
BE-25783	<p>Summary The Delete operation does not throw an exception when you try to delete a deleted item.</p> <p>Workaround None</p>
BE-25121	<p>Summary Multiple TIBCO BusinessEvents engines cannot be started when the TIBCO BusinessEvents unit test runs in the non-API mode.</p> <p>Workaround None</p>
BE-24697	<p>Summary Multilingual characters are garbled in exported WSDL files.</p> <p>Workaround None. However, you can manually replace garbled</p>

Key	Summary and Workaround
	characters with multilingual characters encoded in UTF-8
BE-24556	<p>Summary In Oracle database, multibyte characters are not allowed in the table name.</p> <p>Workaround Use ASCII characters for the table name.</p>
BE-24538	<p>Summary In TIBCO BusinessEvents Enterprise Administration agent, application instances do not start when they have multibyte characters in their name.</p> <p>Workaround Use ASCII characters for instance names.</p>
BE-24349	<p>Summary The BusinessEvents cache engine does not start when the name of concept or name of concept properties contains non-ASCII characters.</p> <p>Workaround Use ASCII characters for concept property names.</p>
BE-23635	<p>Summary Arabic characters are displayed in incorrect order in BusinessEvents rule file.</p> <p>Workaround None</p>
BE-23632	<p>Summary The concept properties with Arabic characters are displayed in the wrong format in a decision table.</p> <p>Workaround None</p>
BE-21471	<p>Summary The as-convert utility might give errors when converting shared nothing files from one format to another. The as-convert utility gives errors when converting a shared nothing file that has the view count as zero.</p> <p>Workaround When the error occurs, run the as-dump utility on the file to check if the view count is zero. When the view count is zero, the as-dump utility output is similar to the following output:</p> <pre><Exception></pre>

Key	Summary and Workaround
	<pre data-bbox="500 352 1393 625">FileProcessor.cpp: 69: initFile: file_header_ invalid - file_ name=/Users/Work/tibco/data/ms/dist-unlimited-bs- readOnly-meta1--be_gen_Events_GetInfo/cache- 6/cache-6_store_1412048660, load view number is zero </Exception></pre> <p data-bbox="472 684 1404 758">When the view count is zero, you can ignore the error (which should be a warning instead).</p>
BE-20818	<p data-bbox="472 804 1341 877">Summary When a cache server is started with CSH shell in AIX, the engine becomes unresponsive with core dump.</p> <p data-bbox="472 905 954 936">Workaround Use BASH shell instead.</p>
BE-18747	<p data-bbox="472 987 1369 1098">Summary TIBCO BusinessEvents does not support events scheduled across different versions. The scheduled events stored by the previous version of BusinessEvents cannot be scheduled by the current version.</p> <p data-bbox="472 1125 721 1157">Workaround None</p>
BE-17212	<p data-bbox="472 1207 1365 1278">Summary When binding variables are used within the XPath mapper, their values are shown as null.</p> <p data-bbox="472 1306 721 1337">Workaround None</p>

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 [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.

Product-Specific Documentation

Documentation for TIBCO BusinessEvents® Enterprise Edition is available on the [TIBCO BusinessEvents® Enterprise Edition Product Documentation](#) page.

To directly access documentation for this product, double-click the file at the following location:

`TIBCO_HOME/release_notes/TIB_businessevents-enterprise_6.1.2_docinfo.html`

where `TIBCO_HOME` is the top-level directory in which TIBCO products are installed. On Windows, the default `TIBCO_HOME` is `C:\tibco`. On UNIX systems, the default `TIBCO_HOME` is `/opt/tibco`.

The following documentation for this product is available on the [TIBCO BusinessEvents® Enterprise Edition Product Documentation](#) page:

- *TIBCO BusinessEvents® Release Notes*
- *TIBCO BusinessEvents® Installation*
- *TIBCO BusinessEvents® Getting Started*
- *TIBCO BusinessEvents® Architect's Guide*
- *TIBCO BusinessEvents® Administration*
- *TIBCO BusinessEvents® Developer's Guide*
- *TIBCO BusinessEvents® Configuration Guide*
- *TIBCO BusinessEvents® Data Modeling Developer's Guide*

- *TIBCO BusinessEvents® Decision Manager User's Guide*
- *TIBCO BusinessEvents® WebStudio User's Guide*
- *TIBCO BusinessEvents® Event Stream Processing Pattern Matcher Developer's Guide*
- *TIBCO BusinessEvents® Event Stream Processing Query Developer's Guide*
- *TIBCO BusinessEvents® Security Guide*
- Online References:
 - *TIBCO BusinessEvents® Java API Reference*
 - *TIBCO BusinessEvents® Functions Reference*

Other TIBCO Product Documentation

When working with TIBCO BusinessEvents Enterprise Edition, you may find it useful to read the documentation of the following TIBCO products:

- TIBCO ActiveSpaces®: It is used as the cluster, cache, or store provider for the TIBCO BusinessEvents Enterprise Edition project.
- TIBCO FTL®: It is used as the cluster provider for the TIBCO BusinessEvents Enterprise Edition project.
- TIBCO Streaming®: It is used as the metrics store provider for the TIBCO BusinessEvents Enterprise Edition project.

How to Access Related Third-Party Documentation

When working with TIBCO BusinessEvents® Enterprise Edition, you may find it useful to read the documentation of the following third-party products:

- Apache Ignite
- InfluxDB
- Grafana
- Apache Cassandra

How to Contact TIBCO Support

Get an overview of [TIBCO Support](#). You can contact TIBCO Support in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about

products you are interested in, visit the [TIBCO Support](#) website.

- 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 [TIBCO Support](#) website. 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 [TIBCO Community](#).

Legal and Third-Party Notices

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.

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 TIBCO Software Inc.

TIBCO, the TIBCO logo, the TIBCO O logo, ActiveMatrix, ActiveMatrix BusinessWorks, ActiveSpaces, TIBCO Administrator, TIBCO BusinessEvents, TIBCO Designer, Enterprise Message Service, TERR, TIBCO FTL, Hawk, TIBCO LiveView, TIBCO Runtime Agent, Rendezvous, Statistica, and StreamBase are either registered trademarks or trademarks of TIBCO Software Inc. in the United States and/or other countries.

Java and all Java based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

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.

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.

This and other products of TIBCO Software Inc. may be covered by registered patents. Please refer to TIBCO's Virtual Patent Marking document (<https://www.tibco.com/patents>) for details.

Copyright © 2004-2022. TIBCO Software Inc. All Rights Reserved.