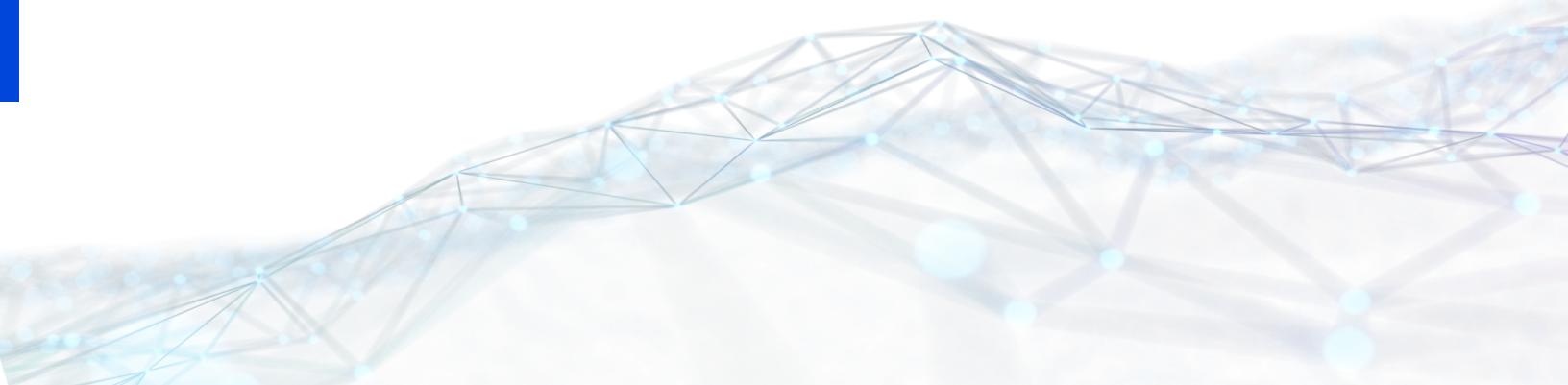




# **TIBCO BusinessEvents® Enterprise Edition**

## Release Notes

Version 6.4.0 | December 2025



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# New Features

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

## Support for GraalVM

This release adds support for GraalVM, which accelerates application performance and improves efficiency by consuming fewer resources. For more information, refer to <https://github.com/TIBCOSoftware/be-tools/wiki> - GraalVM section.

## Added Support for Decision Model Notation

This release adds support for importing Decision Model Notation (DMN) as TIBCO BusinessEvents Decision Tables (DT) and exporting TIBCO BusinessEvents Decision Tables (DT) as DMN. This enables expanded capabilities and improved management for DMN and BusinessEvents DT, facilitating more flexible and robust rule execution within TIBCO BusinessEvents applications.

## Enhancement for TIBCO BusinessEvents OpenTelemetry Support in Platform

There is significant enhancement in the OpenTelemetry module within TIBCO BusinessEvents applications, enabling comprehensive export of metrics, logs, and traces to OpenTelemetry Collectors. This integration allows applications to leverage a unified observability platform for improved monitoring, troubleshooting, and performance analysis.

## Leveraging Java 25 Enhancements

TIBCO BusinessEvents now incorporates Java 25 features, providing access to the latest language enhancements and performance improvements.

## Replacement of TomSawyer API with Eclipse GLSP for State Machines

This release replaces the underlying TomSawyer APIs with Eclipse Graphical Language Server Platform (GLSP) for State Machine functionality. This integration provides a modern and robust foundation for managing State Machine diagrams.

## Enhanced Affinity Colocation for Ignite Entities

This release introduces enhanced affinity colocation capabilities for Ignite entities with concepts having parent and contained concepts relationships, designed to optimize data locality and significantly improve query performance.

## Enhanced Native Query Capabilities

This release adds support for Apache Ignite Native Continuous Queries with simple standard SQL queries, which have low-latency. Additionally, Ignite Native Continuous Queries are window-aware and events streaming is directly from the Ignite data grid.

## TIBCO Software, Platforms, and Third-Party Software

For the updated list of supported TIBCO Software, platforms, and third-party software, see the [Readme](#) file provided with TIBCO BusinessEvents® Enterprise Edition.

# Changes in Functionality

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

# Deprecated Features

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There are no deprecated features in this release version of TIBCO BusinessEvents® Enterprise Edition.

# Removed Features

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

## Removed XPath 1.0 version

Support for XPath 1.0 expressions has been removed from TIBCO BusinessEvents Studio. You must update any projects, configurations, queries, or scripts that currently use XPath 1.0 to the supported XPath version 2.0.

## Removed Legacy ID

The Legacy ID behavior and related catalog functions have been removed. This includes the removal of the legacy argument from all pom.xml examples. For Maven projects targeting version 6.4.0, the <useLegacyId> tag has been removed from the pom.xml configuration. This change streamlines project configuration and ensures alignment with current Maven best practices.

## Removed ActiveSpaces 2.x Support

TIBCO BusinessEvents no longer supports the ActiveSpaces 2.x. This update removes the ability to use AS2x for data exchange.

## TIBCO Software, Platforms, and Third-Party Software

For the updated list of supported TIBCO Software, platforms, and third-party software, see the [Readme](#) file provided with TIBCO BusinessEvents® Enterprise Edition.

# Migration and Compatibility

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The following information provides migration processes for this release of TIBCO BusinessEvents® Enterprise Edition.

## **Data Migration from Older TIBCO BusinessEvents® Enterprise Edition Projects to Version 6.4.0**

You can migrate projects from previous versions to TIBCO BusinessEvents 6.4.0 irrespective of the store or persistence mode. When migrating project data, you can evaluate the object management approach for your project requirements, such as In-Memory (Unclustered) or Cache (Clustered) depending on the TIBCO BusinessEvents version 6.4.x supported options.

The data migration process depends on the persistence option and the entity lookup strategy implemented in the project. TIBCO BusinessEvents projects by default are migrated to the new ID implementation.

For more information, see *TIBCO BusinessEvents Migration Guide*.

# Closed Issues

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

Key	Summary
BE-34659	<p>When a network drive path, is specified as a relative path within the pom.xml, it results in a <code>java.lang.IllegalArgumentException: Illegal group reference</code> error. This issue prevents proper project builds when Maven attempts to resolve paths containing network drive references.</p> <p>You can now specify relative paths in pom.xml file that correctly reference locations on network drives.</p>
BE-34584	<p>In TIBCO BusinessEvents 6.3.x versions, the <code>DateTime</code> value loaded from the backing store ignores the stored time zone. It sets the Java application's timezone leading to data inconsistencies.</p>
BE-34449	<p>A custom FTL serializer in TIBCO BusinessEvents is implemented using <code>cep-ftl.jar</code> to support nested messaging structures. After upgrading to TIBCO BusinessEvents 6.3.0 version, this custom serializer has become incompatible because the newer BE version deprecated libraries that are essential to the serializer's functionality. The Out-of-the-Box (OOTB) FTL serializer provided with BusinessEvents does not support nested message structures, unlike the custom serializer.</p> <p>This issue is fixed now by adding required FTL catalog functions.</p>
BE-34383	<p>You can now connect to the license activation server using a hostname different from the activation server hostname. This enhancement allows you to switch between multiple activation server instances for high availability.</p>

Key	Summary
BE-34310	<p>With XPath 2.0, <code>Instance.updateInstance()</code> method encounters a NULL pointer exception in the BusinessEvents logs (ignored during processing) and the mapped data does not match the input data.</p>
	<p>To resolve this issue, unused prefixed are removed using the Mapper Function Call Migration wizard.</p>
BE-34303	<p>In AS4.x, <code>Store.query()</code> fails when SQL table names included escape characters such as double quotes (for example, "transaction") or brackets (for example, [transaction]).</p>
	<p><code>Store.query()</code> now correctly processes SQL queries that contain escaped table names, which improves query reliability.</p>
BE-34274	<p>The resident memory usage of a BusinessEvents agent increases over runtime, requiring regular restarts to prevent the machine from running out of memory.</p>
	<p>The AS4x Store now operates with enhanced memory management, significantly improving the overall stability and long-term performance of the AS4x store application, leading to a more reliable and consistent user experience.</p>
BE-34247	<p>For State Machine entries related to legacy lookups, when the Time-To-Live (TTL) is reached, the row for the State Machine is not properly removed from the object table. This leads to unnecessary data accumulation over time.</p>
BE-33943	<p>With Ignite cache, there is an issue to recover with a single node to cover disaster recovery scenario where the second node cannot be started for a while.</p>
	<p>The IGNITE REST API now allows users to set the Jetty server's port and host. This capability helps to prevent port conflicts and ensures that the API is accessible on the desired network address within an organization's infrastructure.</p>
BE-32774	<p>The check-for-duplicates flag is no longer active in BE 6.x.</p>

Key	Summary
	In the Configuration guide, under <i>CDD Agent Classes Tab Settings Reference</i> section, Check for Duplicates setting in the <i>CDD Agent Classes Tab Inference Agent and Query Agent Settings</i> table has been removed.
BE-32438	A NullPointerException (NPE) occurs when attempting to access a contained child concept that has been removed from the cache (due to TTL expiration), because the parent concept's reference is not updated.
BE-31105	A NullPointerException (NPE) occurs when importing an OpenAPI Specification that contains a payload but x-conceptPath element is not defined
BE-31104	Importing an OpenAPI Specification fails if the URL does not include a port number.
BE-29325	The State Machine's transition line cannot be selected When using Windows display scaling settings other than 100% (for example, at 125%). This is resolved now with the new State Machine editor.

# Known Issues

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

Key	Summary and Workaround
BE-35031	<p><b>Summary:</b> The system supports Date and Time through catalog functions for import. But, when a DMN is exported to BusinessEvents Decision Table (DT) including date and time cells with advanced calendar options, such as before, after, or between, the exported DMN does not contain the expected values.</p>
BE-35022	<p><b>Summary:</b> FlxCore library fails to load. This issue occurs because the LD_LIBRARY_PATH (or DYLD_LIBRARY_PATH) in the launch configuration hard codes the path to BE_HOME when the launch is first created.</p> <p><b>Workaround:</b> To resolve this issue, update the launch configuration manually by selecting the Environment tab and updating the paths (in Windows) or LD_LIBRARY_PATH (for other platforms), or simply recreate the launch configuration.</p>
BE-35020	<p><b>Summary:</b> Multiple State Machine timeout related errors are displayed in BusinessEvents engine logs.</p>
BE-34970	<p><b>Summary:</b> An issue occurs when BusinessEvents Decision Tables (DT) exported has '&lt;&gt;' and '==' operators.</p> <p><b>Workaround:</b> Use '!=&gt;' instead of '&lt;&gt;' and direct value instead of '==&gt;'.</p>
BE-34945	<p><b>Summary:</b> _ExtID or Primary Key field values provided in the 'IN' clause works only if TRIM function is used for primary key string comparison. This issue occurs for Calcite Indexing too.</p>
BE-34937	<p><b>Summary:</b> When using Ignite-based features with Java 25, engine logs may display warnings. These warnings are safe to ignore as they do not affect functionality.</p> <p><b>Workaround:</b> To suppress these warnings during startup, add the --sun-</p>

Key	Summary and Workaround
	<p>misc-unsafe-memory-access=allow flag to java.extended.properties in your be-engine.tra file.</p>
BE-34783	<p><b>Summary:</b> Warnings related to jansi-2.4.2.jar, guice-5.1.0-classes.jar, and classgraph.jar are displayed if you are using Maven versions earlier to 3.9.9.</p> <p>The warnings do not display for Maven version 3.9.9 or later.</p>
BE-34654	<p><b>Summary:</b> Decision Table commits through RMS fail in TIBCO BusinessEvents Studio after updating data in Decision Table.</p> <p><b>Workaround:</b> RMS functionality is defaulted to WebStudio.</p>
BE-33481	<p><b>Summary:</b> An exception occurs when RMS uses EAR built through Maven in WebStudio.</p> <p><b>Workaround:</b> Before building the RMS project, temporarily move BE_HOME/lib/be-mm.jar to a different location or rename it (for example, to be-mm_copy). This ensures cep-security.jar is correctly picked up for catalog functions, preventing errors.</p> <p>After the build completes successfully, rename be-mm_copy back to be-mm.jar and restore be-mm.jar to its original location within BE_HOME/lib/.</p>
BE-33092	<p><b>Summary:</b> EAR build fails for the attached project as the Project validation is not supported through Maven.</p> <p><b>Workaround:</b> Project validation can be done through studio-tools or BusinessEvents Studio.</p>
BE-32120	<p><b>Summary:</b> The following exception occurs for the SOAPHelper.getEnvelope catalog function:</p> <pre>java.lang.RuntimeException: Event payload is not an XiNode</pre> <p><b>Workaround:</b> Set the property com.tibco.datamodel.xml to true in the CDD file.</p>

Key	Summary and Workaround
BE-31786	<p><b>Summary:</b> On the Telemetry Configuration page in the CDD file, if you remove the default set value "/" in the <b>Enabled Tracing Resource List</b> field and try to add a resource, then the newly added resource is not visible in the field.</p> <p><b>Workaround:</b> Close and reopen the CDD file.</p>
BE-31693	<p><b>Summary:</b> On the Windows platform, when starting cache and inference engines, <code>java.nio.file.AccessDeniedException</code> occurs in Apache Ignite logs.</p> <p><b>Workaround:</b> None</p>
BE-30770	<p><b>Summary:</b> QueryTrades continuous query is not working when the custom key is set and legacy is false.</p> <p><b>Workaround:</b> None</p>

# TIBCO Documentation and Support Services

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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 BusinessEvents® Enterprise Edition Documentation](#) page.

## 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 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.

## 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
- Apache Kafka

- Confluent Kafka Schema Registry
- TIBCO Messaging - Schema Repository for Apache Kafka
- Apache Pulsar
- GridGain
- Apache Cassandra
- Grafana
- InfluxDB
- OpenTelemetry
- OTel Collector
- Apache Maven

## 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. For a free registration, go to [TIBCO Community](#).

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