



# TIBCO BusinessEvents® Enterprise Edition

## Release Notes

Version 6.3.1 | September 2024

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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 Java17**

In TIBCO BusinessEvents® Enterprise Edition, the Java version is upgraded to Java17.

- **Support for Apache Pulsar® Schema**

TIBCO BusinessEvents now supports Pulsar Schema that defines how to translate the raw message bytes into a formal structure type. Pulsar uses a built-in Pulsar Schema Registry as a central repository to store the registered schema information. The producers and consumers use this schema registry to coordinate the schema of a topic's messages through brokers.

For more information, see "Apache Pulsar Channel" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

- **Support for Apache Kafka® Protobuf Serializer**

**KafkaProtobufSerializer** serializer

(`com.tibco.cep.driver.kafka.serializer.KafkaProtobufSerializer`) is newly added to support Apache Kafka channel messages in Protobuf format.

The Confluent schema registry supports the Protobuf data format. However, the TIBCO® Schema Registry does not support the Protobuf data format.

For more information, see "Apache Kafka Channel" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

- **TIBCO BusinessEvents Integrated with TIBCO® Platform**

TIBCO® Control Plane 1.3.0 enables you to monitor TIBCO BusinessEvents 6.3.1 applications deployed on the TIBCO Administrator. TIBCO BusinessEvents application metrics are collected and populated in Control Plane for the applications deployed on the customer's on-premises environments. The existing Hawk Agent and the corresponding BusinessEvents 6.3.1 microagent act as a data source for all the metrics.

For more information, see *TIBCO® Platform Documentation*.

- **Support for Data Center Replication by using Ignite CDC Extension**

In addition to Data Center Replication by using GridGain, `business-events-enterprise` now supports the Data Center Replication feature by using Ignite Change Data Capture (CDC). The replication of data across multiple data centers, prevents downtime during any of the data center failures.

For more information, see "Configuring Apache Ignite as a Cache Provider" in the *TIBCO BusinessEvents® Enterprise Edition Configuration Guide*.

- **Align Ignite Native Query with BQL Query**

TIBCO BusinessEvents ignite native queries are now aligned with BQL queries to return Entity Type resultset objects as they are faster than the BQL queries.

A native query by default now returns Entity Type results that are the same as a BQL query.

For a native query to return Entity Type results, a new parameter `isNativeQueryRawResults` is added in the Query catalog functions. The default value of this parameter is false.

For more information, see "Indexing for More Efficient Cache Queries" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

- **Support Apache Maven® for TIBCO BusinessEvents projects**

All the TIBCO BusinessEvents projects are now native Maven projects by default. The BusinessEvents installer installs the BusinessEvents Maven plug-in as a built-in component.

For more information, see "Apache Maven Integration" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

- **Ignite Supports Calcite Index Engine**

Ignite now supports Apache Calcite as the optional indexing engine with H2 being the default index engine.

For more information, see "Configuration of Ignite Cache Indexing" in the *TIBCO BusinessEvents® Enterprise Edition Configuration Guide*.

- **Added Function to Set Cookies for the HTTP Channel**

TIBCO BusinessEvents now supports HTTP channel to set cookies at the client side using the `HTTP.ConnectionInfo.setCookies` function. The cookies set by the server and client in the form of response event property can be retrieved.

For more information, see "Functions Reference" in the *Online Help*.

## **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® Enterprise Edition.

# Changes in Functionality

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The following functionalities has been changed in this release of TIBCO BusinessEvents® Enterprise Edition:

- All the TIBCO BusinessEvents projects are now native Maven projects by default. The BusinessEvents installer installs the BusinessEvents Maven plug-in as a built-in component.

For more information, see "Apache Maven Integration" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

- Now, a native query returns EntityType results as well. On importing the projects from older BusinessEvents versions, prior to version 6.3.1, a native query returns raw results. A new parameter `isNativeQueryRawResults` is added in Query catalog functions and in this scenario, the value of this parameter is set to true. However, the native query can be set to return the EntityType results by setting the parameter value to false.

For more information, see "Indexing for More Efficient Cache Queries" in the *TIBCO BusinessEvents® Enterprise Edition Developer Guide*.

# 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 has been removed in this release of TIBCO BusinessEvents® Enterprise Edition.

- In TIBCO BusinessEvents® Enterprise Edition version 6.3.1, the `be-maven-pom-generator` utility is removed. The projects migrated from previous versions automatically create a `pom.xml`.
- The following Eclipse features are removed in this release:
  - Eclipse CDT (C/C++ Development Toolkit)
  - Eclipse Data Tools Platform
  - Eclipse GEF
  - Eclipse Modeling Project
  - Eclipse Mylyn
  - Eclipse Oomph Project
  - Eclipse Web Tools Platform (Partial)

These features can be installed in TIBCO BusinessEvents® Enterprise Studio.

For more information, see "Installing Eclipse Features" in the *TIBCO BusinessEvents® Enterprise Edition Installation*.

## 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® 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 6.3.1

You can migrate projects from previous versions to TIBCO BusinessEvents® Enterprise Edition 6.3.1 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® Enterprise Edition version 6.x supported options.

The data migration process depends on the persistence option and the entity lookup strategy (new ID or legacy ID) implemented in the project. TIBCO BusinessEvents® Enterprise Edition projects by default are migrated to the new ID implementation. You might continue to use the legacy ID in the migrated projects with some configurations in the project. However, using the legacy ID lookup strategy is discouraged.

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-33073	The bundled TIBCO® Enterprise Administrator (TEA) CLI files are upgraded to TIBCO® Enterprise Administrator 2.4.2.
BE-33056	In <code>businessevents-enterprise</code> , Apache Tomcat® is upgraded to version 11.0.0-M21, 10.1.25, or 9.0.90 to address the Apache Tomcat® CVE-2024-34750 vulnerability.
BE-33039	The <code>_annotations.idx</code> file corrupts on concurrent access by two or more agents. As a result, an XPATH expression error occurs due to the corrupted index file <code>\$BE_HOME/bin/_annotations.idx</code> . Therefore, a lock is applied to the <code>_annotations.idx</code> file to avoid concurrent access.
BE-33027	When connecting to an existing backing store to generate an <code>alter.sql</code> script in Oracle, incorrect ALTER TABLE commands are created for existing CLOB columns. The <code>be-storedeploy</code> utility creates a CLOB column type for all the string columns exceeding the supported size. Consequently, the <code>alter.sql</code> script generates incorrect ALTER TABLE commands to add the existing CLOB column again. On execution, these commands fail with an error, "Column exist already". This issue also fails for Keybase Lookup projects, where an invalid SQL statement is created for the <code>id\$</code> column.
BE-32989	When the BE-TEA-Agent is restarted and TIBCO BusinessEvents running instances are stopped, there are errors in the log for each of the stopped instances. These errors are repeated every 15 seconds in the BE-TEA-Agent log until BE-TEA-Agent is restarted. To stop these errors, it is required to restart the BE-TEA-Agent or restart the instances.
BE-32974	An exception occurs in Apache Ignite Logs when delete instances and the concept TTL coincides.

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Key	Summary
BE-32882	When an index is created on the field with the same name but on two different concepts, an error message: <code>msg=Index exists:</code> is displayed.
BE-32841	On performing the HTTP request, there is a FileDescriptor leak because of the continuous increase in the thread counts. The NO PROXY option of the JDK HTTP client creates unwanted threads.
BE-32798	Multiple times execution of a native query in a single transaction causes the inference agent heap memory to grow. This ultimately results in Out Of Memory.
BE-32780	The input variable name tag is not added to <code>anyType</code> element when it is mapped in an XSLT mapper using a <code>copyOf</code> statement.
BE-32770	When an event loads and is consumed (TTL>0) with the Keybase Lookup enabled, the event is not deleted properly from the database.
BE-32761	In TIBCO BusinessEvents 6.3.0, for JSON datamodel, all the number values are represented as strings in the JSON payload when the element name is different from the type name in XSD.
BE-32693	In TIBCO BusinessEvents, Apache Tomcat® is upgraded to the version 9.0.87 to address the Apache Tomcat® CVE-2024-24549 vulnerability and the Apache Tomcat® CVE-2024-23672 vulnerability.
BE-32687	The CDD property <code>com.tibco.be.http.client.useExpectContinue</code> continues to print even if it is set to <code>false</code> in TIBCO BusinessEvents 6.3.0.
BE-32682	The event payload of the outbound event, <code>HTTP.sendRequest()</code> is created in XML format though the JSON flag is enabled. This occurs when: <ul style="list-style-type: none"> <li>• The project XPATH 1.0 is enabled.</li> <li>• Add the CDD property <code>com.tibco.datamodel.xml=false</code> or the property is not set.</li> </ul>
BE-32681	The HTTP header, <code>content-type</code> is added twice to the HTTP request when the outbound event property <code>content_type</code> is mapped with a value.

Key	Summary
BE-32661	The swagger-UI component is upgraded. The file is at the following path: BE_HOME/apps/tibco/be/6.3/lib/ext/tpcl/swagger/swagger.zip/swagger-ui.js
BE-32660	In BE-TEA-Deployment, a space is missing in the deployed tra file <code>java.property.be.trace.roles</code> when multiple log patterns are added.
BE-32652	There is an issue when the JSON flag is enabled for the HTTP input destination. The <code>content_type</code> is set to <code>text/xml; charset=UTF-8</code> for <code>replyEvent</code> instead of <code>application/json</code> .
BE-32612	On load test, CacheServer reports a Java heap Out Of Memory error and the Ignite cluster stops. This issue is resolved now. Further, to disable such inline processing of scheduler events, set the CDD property <code>com.tibco.cep.runtime.scheduler.registerCacheEvents=false</code> for the DBPoller.
BE-32577	There is a mismatch of entries when writing the bulk cache in Apache Ignite cache and the database. All the records are not written using the <code>newID</code> .
BE-32564	In TIBCO Administrator, the Global Variables defined in the project library are not being overridden for the TIBCO BusinessEvents 6.3.0 projects.
BE-32559	HTTP uses a proxy that is enabled for all the requests at a time. As a result, <code>HTTP.sendRequest()</code> times out.
BE-32555	TIBCO BusinessEvents 6.3.0 payload has different namespace prefix than that in <code>businessevents-enterprise 5.6.1</code> . In 6.3.0, the prefix starts with <code>ns:1n</code> instead of <code>ns:0n</code> . A new property <code>be.serialization.inline.namespaces</code> is added. The value of the property is set to <code>true</code> to declare the namespace at the level where it is first referenced. It is not declared at the top of the document unlike when the value of the property is set to <code>false</code> . The default value of the property is <code>false</code> .
BE-32544	TIBCO BusinessEvents version 6.3.0 payload has a different namespace prefix than that in <code>businessevents-enterprise version 5.6</code> for <code>xsi:type</code> .

Key	Summary
BE-32422	In TIBCO BusinessEvents 6.3.0, the concepts serializing with XPATH render-xml print all the properties, including the properties with NULL and NIL values. The properties with the NULL and NIL values should not print.
BE-32390	The concept in mapper is not available when the loop variable is configured as a primitive object. For example, there is a mapper issue when the variable is configured as an integer instead of int.
BE-32379	The catalog function Cluster.DataGrid.CacheLoadConceptsByExtIdByUri() loads concepts only from the Ignite cache. It fails to load concepts from backing store if not available in cache.
BE-32366	There is an error with XPath.executeWithEvent when the mapping file contains a NULL (" ") value.
BE-32355	The status of the TIBCO BusinessEvents engine in the TEA console displays yellow instead of green even though the TIBCO BusinessEvents engine starts successfully on the server.
BE-32353	The EAR file fails to build when an inbuilt custom function exists in the project and also in the imported project library. The issue is due to the duplicate com.payment.common.Logging Java class. So, if the catalog function with the same name exists in the local project, then the local class overrides any project library class.
BE-32343	The Inference agent runs Out Of Memory after some hours due to the data of the cached data model. As per the default settings, if the com.tibco.datamodel.xml CDD property is enabled, then there is no option to disable or limit the cache size in version 6.3.0. The class com.tibco.cep.genxdm.bridge.model.json.JsonTextNode used to cache the data prevents recreating of a new object with the same values.
BE-32321	When the cache size of an entity in Apache Ignite reaches its limit, the eviction does not trigger as expected. As a result, the data region encounters an Out Of Memory error and the cache node crashes.
BE-32315	In businesssevents-enterprise, Apache Tomcat® is upgraded to version 9.0.84

Key	Summary
	to address the following Apache Tomcat CVE Remote Request Smuggling Vulnerability: CVE-2023-46589.
BE-32312	With Apache as LDAP server, group memberships are not validated. The connection works only when the CN attribute of the user matches the user configuration. The <code>be.mm.user.role</code> and <code>be.mm.admin.role</code> properties are set as CN attribute to be able to log in.
BE-32307	For TEA Server deployment, Global Variables in the GUI cannot be modified by editing the profile. The Global Variables are modified directly in the properties file <code>teagent/repo/&lt;application&gt;</code> when needed.
BE-32285	When the data is migrated from <code>businessevents-enterprise 5.x</code> (TIBCO ActiveSpaces 2.x) to <code>businessevents-enterprise 6.2.2</code> (Apache Ignite), with the Legacy Lookup enabled, scheduled events are not triggered in TIBCO BusinessEvents 6.2.2 even though the tuple counts are matching.
BE-32274	When migrating the inbuild cache from ActiveSpaces 2.x to Apache Ignite, an error occurs during the execution of a BQL query in Ignite as it stores DateTime field values as Java objects. When a BQL function, DateTime, is used in Ignite, it impacts the performance and is significantly slower than a native query.
BE-32272	When the CacheAgent that acts as a manager node is stopped, the other CacheAgents should proceed without any errors. But the CacheAgents generates an exception and the Ignite Cache Cluster is unavailable. This issue occurs for Persistence Type as Shared Nothing.
BE-32263	The Oracle SQL script to migrate from Legacy to Keybase Lookup does not display the correct results. The script generates errors displaying that the table name does not exist and the reference table does not have the entity columns.
BE-32256	In the Oracle data migration script for Legacy to Keybase Lookup, a few lines are included with a semicolon (;). When the SQL script is run, these lines display the following error message: <code>Error starting at line: &lt;number&gt; in command -</code>

Key	Summary
BE-32255	After migrating the project from <code>businessevents-enterprise 5.6.1</code> to <code>businessevents-enterprise 6.3.0</code> , an error occurs after starting the application. The error explains that the RuleFunction, <code>getAuditConfig</code> , is an unimplemented virtual rule function and cannot be invoked until implemented.
BE-32252	An error occurs when a value is mapped to a Numeric property in the XSLT mapper and the <code>com.tibco.datamodel.xml CDD</code> property is set to <code>true</code> . When the CDD property is not added or when it is set to <code>false</code> , no error is encountered.
BE-32249	The QueryCache rule function works properly with Active Spaces but fails for Apache Ignite. When running the query on <code>Query.Metadata.getColumnCount</code> , the column count sometimes returns <code>0</code> , which is incorrect.
BE-32246	The Concat function does not work when the local variables are used. The function does not concatenate all the parameters. Depending on the number of parameters, it repeatedly concatenates the value of the first parameter.
BE-32220	When the migration is done from Legacy Lookup to Keybase Lookup, some of the entity tables do not migrate correctly. If the concepts with the same name (different URI) are deleted, then the entity tables loaded from the project fail.
BE-32211	The catalog function <code>XPath.evalAs&lt;Type&gt;</code> fails when GlobalVariables with XPath version 2.0 is accessed as input.
BE-32210	In TIBCO BusinessEvents® Enterprise Edition, the Java version is upgraded to Java17.
BE-32203	The <code>businessevents-enterprise 6.2.2 (TIBCO ActiveSpaces 2.x)</code> connection is not closed properly when migration from <code>businessevents-enterprise 6.2.2 (TIBCO ActiveSpaces 2.x)</code> to <code>businessevents-enterprise 6.2.2 (Apache Ignite)</code> is completed. If connected as a peer member, the ActiveSpaces cluster is unavailable until the member-timeout is reached. It is required to close all the resources before exit ( <code>metaspace.closeAll()</code> ).

Key	Summary
BE-32199	Concept names that are separated by underscore are ignored when the data is migrated from <code>business-events-enterprise 6.x</code> (TIBCO ActiveSpaces 2.4.1) to <code>business-events-enterprise 6.x</code> (Apache Ignite) and Legacy mode is set to <code>true</code> . Only the concept names that are not separated by underscores are loaded into the corresponding table of Apache Ignite.
BE-32194	The BE-TEA-Agent does not close the JMX connection properly. The number of active threads is increased for deployed TIBCO BusinessEvents applications. When the thread count reaches the system limit, the agents stop with an Out Of Memory exception in the Ignite logs.
BE-32188	When migrating the state machine from XPATH 1.0 to XPATH 2.0, the Mapper Migration displays an error. When one error is fixed in the first pass, the resulting XPath might uncover a new error after the change. This requires multiple migration passes.
BE-31387	After importing the third-party specification that consists of <code>oneOf</code> section references, the <code>NullPointerException</code> is observed.
BE-31165	The project's EAR build fails when a non-existent library path is given in the <code>.project</code> file and validation of the EAR file is enabled. It fails even if the correct library path is given using the <code>-pl</code> parameter in the studio tools command. The project library should be available in the <code>.project</code> file for the EAR build to run successfully.
BE-30937	Data migration from Legacy ID to new ID implementations is not supported for IBM Db2 database.
BE-30876	When migrating TIBCO BusinessEvents® Enterprise Edition projects (with SharedAll persistence or Store persistence) from Legacy ID to new ID implementations, the migration script cannot migrate referenced IDs in the payload blob in a database to the new ID format.
BE-30713	Use of limited cache is not supported with Apache Ignite cache provider.
BE-30660	When a REST message serializer of TIBCO BusinessEvents simple events is used to map the request payload properties in an event, an issue occurs



Key	Summary
	when generating JSON fields of type array.
BE-30514	Consider a use case where an event has a complex element with a name other than "root". In this case, issues are observed during runtime for applications created after consuming the generated OpenAPI or AsyncAPI specifications.
BE-29399	<p>The <code>java.lang.UnsatisfiedLinkError</code> exception occurs during the ActiveSpaces store schema generation or migration when the following conditions are true:</p> <ul style="list-style-type: none"> <li>• <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.</li> <li>• 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-storedeploy.tra</code>) and <code>studio.tra</code> files.</li> </ul>
BE-29833	Multiple issues occur when running Rule Management Server with Apache Cassandra as a Store. Using Rule Management Server with Apache Cassandra as a Store is not supported.
BE-28918	The Persistence Policy field for the Shared Nothing persistence cannot be updated, but it is still displayed in the CDD.
BE-28707	TIBCO BusinessEvents® Enterprise Edition Studio does not validate logger implementation during project import.
BE-28322	In TIBCO BusinessEvents® Enterprise Edition 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. The storage type can be Store, None, or Shared Nothing.
BE-27321	The TIBCO BusinessEvents engine log contains the following warnings from the Javassist library:

Key	Summary
	<pre> WARNING: An illegal reflective access operation has occurred  WARNING: Illegal reflective access by javassist.ClassPool (file:&lt;BE_ HOME&gt;/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>
BE-25121	Multiple TIBCO BusinessEvents engines cannot be started when the TIBCO BusinessEvents® Enterprise Edition unit test runs in the non-API mode.
BE-23635	Arabic characters are displayed in incorrect order in TIBCO BusinessEvents® Enterprise Edition rule file.
BE-21471	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.
BE-20818	When a cache server is started with the CSH shell in AIX, the engine becomes unresponsive with the core dump.

# Known Issues

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

Key	Summary and Workaround
BE-33505	<p><b>Summary:</b> When older version BusinessEvents projects prior to version 6.3.1 are imported using studio-tools, value of the <code>isNativeQueryRawResults</code> parameter is not set.</p> <p><b>Workaround:</b> Use Studio migration instead of studio-tools.</p>
BE-33481	<p><b>Summary:</b> An exception occurs when RMS uses EAR built through Maven in WebStudio.</p> <p><b>Workaround:</b> Build <code>RMS.ear</code> through studio-tools.</p>
BE-33459	<p><b>Summary:</b> When there are multiple async requests, HTTP response event property does not display client cookie information.</p> <p><b>Workaround:</b> None</p>
BE-33390	<p><b>Summary:</b> Engine fails to start after the invocation of startup RF where the scheduler is created for persistence type Shared Nothing.</p> <p><b>Workaround:</b> None</p>
BE-33382	<p><b>Summary:</b> There is difference in the output of 6.3.0 HF6 and 6.3.1 for <code>Query.Util.sizeOfList()</code> function.</p> <p><b>Workaround:</b> Use data modification queries in separate transactions.</p>
BE-33378	<p><b>Summary:</b> An exception occurs when the EAR file rebuilds through Maven in hot deployment process.</p> <p><b>Workaround:</b> None</p>
BE-33353	<p><b>Summary:</b> When a native query contains TOP clause, an exception occurs for failing to parse the query.</p>

Key	Summary and Workaround
	<b>Workaround:</b> None
BE-33120	<p><b>Summary:</b> When host machines are of different operating systems(OS), there are issues with data replication.</p> <p><b>Workaround:</b> None</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-33060	<p><b>Summary:</b> Engine Logs do not display under the Tracing tab in TIBCO® Administrator.</p> <p><b>Workaround:</b> None</p>
BE-32149	<p><b>Summary:</b> When reading and writing null fields in ActiveSpaces® tuples by using ActiveSpaces channels for BLOB data type, the following exception occurs:</p> <pre data-bbox="477 1136 1323 1192">com.tibco.as.space.impl.data.ASString cannot be casted to ASBlob</pre> <p><b>Workaround:</b> Set the property <code>com.tibco.datamodel.xml</code> to <code>true</code> in the CDD file.</p>
BE-32120	<p><b>Summary:</b> The following exception occurs for the <code>SOAPHelper.getEnvelope</code> catalog function:</p> <pre data-bbox="477 1444 1339 1476">java.lang.RuntimeException: Event payload is not an XmlNode</pre> <p><b>Workaround:</b> Set the property <code>com.tibco.datamodel.xml</code> to <code>true</code> in the CDD file.</p>
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>

Key	Summary and Workaround
	<b>Workaround:</b> Close and reopen the CDD file.
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-30954	<p><b>Summary:</b> Bundled examples are not running if you uninstall multiple TIBCO BusinessEvents® Enterprise Edition versions simultaneously by using the custom uninstall option by selecting all the <code>BE_HOME</code> checkboxes.</p> <p><b>Workaround:</b> Uninstall each TIBCO BusinessEvents® Enterprise Edition version individually if using the custom uninstall option.</p>
BE-30817	<p><b>Summary:</b> Due to the changes in shutdown steps in TIBCO ActiveSpaces® 2.4.2, the TIBCO BusinessEvents engine might take time to shutdown.</p> <p><b>Workaround:</b> None for cache engines. You can make inference engines as remote clients for faster shutdown of inferences.</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>
BE-27591	<p><b>Summary:</b> Display Model is not supported in TIBCO BusinessEvents® Enterprise Edition WebStudio.</p> <p><b>Workaround:</b> None</p>
BE-27368	<p><b>Summary:</b> 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><b>Workaround:</b> To edit the properties, add a group of the properties and save the artifact.</p>
BE-25784	<p><b>Summary:</b> The default or custom prefetch size is not displayed in the</p>

Key	Summary and Workaround
	<p>logger line.</p> <p><b>Workaround:</b> None</p>
BE-25783	<p><b>Summary:</b> The Delete operation does not generate an exception when you try to delete a deleted item.</p> <p><b>Workaround:</b> None</p>
BE-24697	<p><b>Summary:</b> Multilingual characters are garbled in exported WSDL files.</p> <p><b>Workaround:</b> You can manually replace garbled characters with multilingual characters encoded in UTF-8.</p>
BE-24556	<p><b>Summary:</b> In the Oracle database, multibyte characters are not allowed in the table name.</p> <p><b>Workaround:</b> Use ASCII characters for the table name.</p>
BE-24538	<p><b>Summary:</b> In TIBCO BusinessEvents Enterprise Administration agent, application instances do not start when they have multibyte characters in their name.</p> <p><b>Workaround:</b> Use ASCII characters, for instance, names.</p>
BE-24349	<p><b>Summary:</b> The TIBCO BusinessEvents® Enterprise Edition cache engine does not start when the name of a concept or name of concept properties contains non-ASCII characters.</p> <p><b>Workaround:</b> Use ASCII characters for concept property names.</p>
BE-23632	<p><b>Summary:</b> The concept properties with Arabic characters are displayed in the wrong format in a decision table.</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.

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

```
TIBCO_HOME/release_notes/TIB_buinessevents-enterprise_6.3.1_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`.

## 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.

## 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
- Control Plane
- 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. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to [TIBCO Community](#).

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