



# TIBCO ActiveSpaces® - Enterprise Edition

## Release Notes

Version 5.0.0 | February 2025



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# About This Product

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The TIBCO ActiveSpaces® - Enterprise Edition software is a distributed in-memory data grid product. Some features of ActiveSpaces® - Enterprise Edition include the use of familiar database concepts, high I/O capacity, and network scalability. It is ideal for all application development projects, and for deploying and managing applications in the production environment of an enterprise.

TIBCO FTL® is an embedded and bundled component of ActiveSpaces® - Enterprise Edition.

# New Features

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

## Security Capabilities

Secure grids can leverage of new security features introduced in TIBCO FTL® 7.0.0, which offer enhanced encryption, authentication, and authorization options.

- TIBCO ActiveSpaces® - Enterprise Edition grid processes and client applications can be configured to use user-defined certificates (either directly or optionally from the system trust store).
- TIBCO ActiveSpaces® - Enterprise Edition grid processes and client applications can be configured to use the mTLS authentication provider set in the TIBCO FTL® realm.
- TIBCO ActiveSpaces® - Enterprise Edition grid processes and client applications can be configured to use the OAuth2 authentication provider set in the TIBCO FTL® realm.
- Samples and tools are updated to support the new TIBCO FTL® security and authentication capabilities.

## Simplified Grid Process Deployment

The deployment of grid processes has been simplified by allowing certain grid processes to be configured to run as services hosted by a TIBCO FTL® server.

- The state keeper can be run as a service hosted by a TIBCO FTL® server.
- The administration daemon (tibdgadmind) can be run as a service hosted by a TIBCO FTL® server.
- The as-start and as-stop scripts are updated to configure the grid with these services instead of standalone processes. When these scripts are run on an existing deployment, they detect this and start or stop the processes standalone as necessary.

## Remove Copyset

To enhance the TIBCO ActiveSpaces® - Enterprise Edition data grid scalability, you can now remove copysets.

- The `tibdg` admin tool can be used to deactivate a copyset.
- The `tibdg` admin tool can be used to redistribute data from a deactivated copyset to the other copysets in the grid (as a background data transfer).
- The `tibdg` admin tool can be used to remove a copyset from the grid configuration once it has redistributed the data to other copysets.

## New Statistics to Provide Node Free Space Requirement

A new statistic is added, `tib_as_node_free_space_wanted` that provides an estimate (in bytes) of the amount of free space that a node needs on the filesystem to continue operation uninterrupted. If the free space on the filesystem drops below this value, the node is at risk of degraded operation or disk write failures.

## Changes in Functionality

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The following functionality and features have been changed in this release of TIBCO ActiveSpaces® - Enterprise Edition.

- To further increase data integrity, `tibdgnode` validates the data directory contents at startup to ensure that it only contains data written by `tibdgnode` from the same copyset and grid.
- The sample scripts `as-start-ftl6`, `as-stop-ftl6`, `as-start-ftl6.bat`, and `as-stop-ftl6.bat` have been removed.
- The `tibdg` tool can specify a password with no specifier into the `-password` command-line argument. When no prefix specifier is used, the input is assumed to be the text of the password.

# Deprecated Features

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No features have been deprecated in this release of TIBCO ActiveSpaces® - Enterprise Edition.

# Removed Features

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No features have been removed in this release of TIBCO ActiveSpaces® - Enterprise Edition.



# Migration and Compatibility

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There are no migration procedures or compatibility issues in this release of TIBCO ActiveSpaces® - Enterprise Edition.

# Closed Issues

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The following issues have been closed in this release of TIBCO ActiveSpaces® - Enterprise Edition.

Key	Summary
FFY-5221	When running a proxy as a service, the service fails to start if the configuration included values for <code>max.logs</code> or <code>max.log.size</code> .
FFY-5216	Some redistribution errors stop the migration of rows and no further progress is made.
FFY-5204	Redistribution forwards internal transaction-related system rows that do not need to be forwarded.
FFY-5200	When adding copysets, the proxy does not handle insert statements correctly.
FFY-5194	Reindexing and redistribution status are printed incorrectly.
FFY-5186	The <code>tibdg checkpoint validate</code> command does not exit with the right exit code.
FFY-5164	If there is a combination of clients where some clients use DTCP transports ( <code>TIBDG_CONNECTION_PROPERTY_LONG_TRANSPORT_TYPE</code> set to <code>TIBDG_CONNECTION_TRANSPORT_TYPE_DTCP</code> ) and some use auto transports ( <code>TIBDG_CONNECTION_PROPERTY_LONG_TRANSPORT_TYPE</code> set to <code>TIBDG_CONNECTION_TRANSPORT_TYPE_AUTO</code> ), the auto transport clients fail to reconnect to the grid following a restart of the TIBCO FTL® servers and proxies.
FFY-5132	Proxy does not run as a service on a secure TIBCO FTL® server.

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<b>Key</b>	<b>Summary</b>
FFY-5111	Proxies using secure transports exit the processing of a request from an unknown client connection.
FFY-5108	The proxy dashboard only shows the rates of puts, gets, and deletes, but not updates.
FFY-5105	A <code>tibdgsession_OpenTable</code> or <code>tibdgridMetadata_GetTableMetadata</code> call can succeed for a client that does not have read permissions on a table.
FFY-5105	The proxy opens an ephemeral port for mirroring.
FFY-5101	When initializing, a node sends some invalid transaction messages that causes another node to crash.
FFY-5098	In the Java API, a parent object is closed when it went out of scope although the child objects are still in use.
FFY-5097	In the Java API, when a <code>Connection</code> object created by <code>Session.getConnection</code> becomes out of scope, Java Connections are auto-closed incorrectly.
FFY-5095	After a journal repair process, if a node process is removed from a gridset, it takes a long time to start.
FFY-3696	In the Java API, methods, such as <code>Table.getSession</code> , that return the parent object that created the child object return the parent object that was used rather than a duplicate of it.

## Known Issues

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No new issues have been reported in this release of TIBCO ActiveSpaces® - Enterprise Edition.

# TIBCO Documentation and Support Services

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## 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 ActiveSpaces® - Enterprise Edition 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

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