



TIBCO® Patterns

Release Notes

Version 6.1.2 | June 2024

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New Features

Version 6.1.2

ibi™ Patterns - Search is now rebranded as TIBCO® Patterns. No new features have been added in this release.

The following features have been added in ibi™ Patterns - Search 6.1.1.

Grouping Engine

The newly enhanced Grouping Engine offers significantly improved performance with large data sets and delivers comprehensive subgroup information. You can now confidently make precise data merge decisions, making this upgrade a significant step forward.

Data Synchronization

The new command line utility intelligently monitors data changes in the relational databases and automatically updates the corresponding data in TIBCO® Patterns, simplifying the task of keeping data in sync. This streamlined and automated synchronization process ensures that your data is always up-to-date and consistent.

Data Transfer Tool

You can use this feature to seamlessly transfer data across Patterns instances. It is designed to significantly simplify the data migration or product upgrade process, reducing your effort and ensuring a smooth transition.

Candidate Trimming

This new query feature significantly boosts the performance of deduplication and match or merge queries.

Support for easy construction of MatchCase classes

In this release, a set of classes have been introduced that simplify query construction. You can use these modifications to easily build and fine-tune MatchCase querylets, ensuring a smoother and more efficient user experience.

Variable-Attributes

You can retrieve the variable-attribute names associated with a table, which you can use to construct accurate and efficient queries involving variable attributes and further simplify the query construction process.

Predicate Operators

With these newly introduced predicate operators, you can now effortlessly perform complex string-matching tasks and get highly accurate results in your queries.

Support for alternate memory allocators

You can now significantly reduce memory usage. This ensures more consistent memory performance.

Loading third-party libraries

In this release, there has been an improvement in prepackaging a selection of essential third-party libraries, ensuring they are effortlessly loaded into the runtime environment upon startup. This not only simplifies the configuration process, but also enhances security, granting you swift and secure access to crucial third-party libraries such as alternate memory allocators.

Changes in Functionality

The following functionality and features have been changed in this release of TIBCO® Patterns.

Restricting server-side file loading to a designated directory

Server-side file loads to a designated directory are now restricted only to users with administrative roles. This reinforces the security posture of the system and significantly mitigates the risks associated with unauthorized access to sensitive data.

OpenSSL libraries

In the latest version, support for SSL/TLS on OpenSSL® 3.0, is upgraded from OpenSSL® 1.1.1. By embracing the latest OpenSSL® libraries, we are enhancing security protocols and ensuring a more robust and reliable SSL/TLS encryption mechanism.

CUDA third-party library support

TIBCO® Patterns is now compatible with the latest NVidia® CUDA® version 11, ensuring optimal utilization of newer GPUs. This enhancement translates to improved performance, empowering users to harness the full potential of modern GPU hardware for enhanced efficiency and faster processing.

Deprecated Features

No features have been deprecated in this release of TIBCO® Patterns.

Removed Features

No features have been removed in this release of TIBCO® Patterns.

Migration and Compatibility

There are no migration procedures or compatibility issues in this release of TIBCO® Patterns

Closed Issues

No issues have been closed in this release of TIBCO® Patterns.

Known Issues

The following issues exist in this release of TIBCO® Patterns.

Key	Summary and Workaround
TPAT-2252	<p>Summary: The <code>-E loadable_data_dir</code> option is not supported in the TIBCO Patterns container.</p> <p>Workaround: No workaround.</p>
TPAT-1927	<p>Summary: The following error occurs when two char-maps that only differs in character-case are restored.</p> <p>Note: The above error exists only for Windows OS.</p> <p>Workaround: Use a different name for the char-map.</p>
TPAT-1349	<p>Summary: If you restore a joined set of tables in parallel with another command that is adding or removing tables to the joined set, the restore command might return a JOINSET error instead of a transaction conflict error.</p> <p>Workaround: Change any tests for transaction conflict errors to include a test for a JOINSET error.</p>
TPAT-797	<p>Summary: Running multiple instances of the Learn UI on the same machine, generates errors.</p> <p>Workaround: Running multiple instances of the Learn UI on the same machine is not supported.</p>
TPAT-561	<p>Summary: When matching blocks of text in Japanese and Chinese, tokenization of the characters can result in match scores that are lower than expected.</p> <p>Workaround: Add spaces between Chinese or Japanese characters before loading them in TIBCO® Patterns.</p>

Key	Summary and Workaround
TPAT-66	<p>Summary: Incorrect displacement penalties can occur in a token matching mode when there are thesaurus matches. Thus, scores are slightly lower than expected when using both token matching mode and a thesaurus.</p> <p>Workaround: None</p>
TPAT-30	<p>Summary: (.NET Interface) The default encoding for CSV files is inconsistent. The default encoding in the .NET interfaces is the system default. For all other interfaces, it is latin1.</p> <p>Workaround: Explicitly set the CSV file encoding.</p>
TPAT-26	<p>Summary: (Server) Scores returned by a predicate query are not validated for the proper range (0.0 - 1.0). A score outside this range can cause invalid results.</p> <p>Workaround: Ensure that all predicate queries always return values in the proper range.</p>
TPAT-5	<p>Summary: (Server) On Windows, when reading data files, if the data files contain a Ctrl-Z character, the reading of the files is ended. The issue occurs when files are read in text mode. In the text mode, Windows interprets the Ctrl-Z character as the end of a file marker.</p> <p>Workaround: Remove all Ctrl-Z characters from the files that are to be read on Windows.</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 [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

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

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- 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.

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