TIBCO® MDM

Release Notes

Version 9.3.0
December 2020

Contents

TIBCO Documentation and Support Services

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. To access the latest documentation, visit https://docs.tibco.com.

Product-Specific Documentation

The following documentation for TIBCO® MDM is available at the TIBCO® MDM Product Documentation page:

- TIBCO® MDM *Release Notes*

- TIBCO® MDM *Installation and Configuration*

- TIBCO® MDM *Cloud Deployment*

- TIBCO® MDM *User's Guide*

- TIBCO® MDM *System Administration*

- TIBCO® MDM *Customization*

- TIBCO® MDM *Workflow Reference*

- TIBCO® MDM *Web Services*

- TIBCO® MDM *Best Practices*

- TIBCO® MDM *Performance Tuning*

- TIBCO® MDM *Troubleshooting*

- TIBCO® MDM *Security Guidelines*

- TIBCO® MDM *API Reference*

To access documentation for this product, go to the following location:

TIBCO_HOME/release_notes/TIB_cim_9.3.0_docinfo.html

Here, *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`.

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit http://www.tibco.com/services/support.

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at https://support.tibco.com.

- 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 https://support.tibco.com. 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 https://community.tibco.com.

New Features

The following features have been added in this release of TIBCO MDM.

TIBCO MDM as a Container: Additional Cloud Platform Support

TIBCO MDM (Cluster) containers are now also supported on the following cloud platforms:

- Microsoft Azure Kubernetes Service (AKS)

- Amazon EKS

- Google Cloud Platform

- Red Hat OpenShift Container Platform

TIBCO MDM also provides readme.txt files with instructions to run sample application on Kubernetes by using the sample Kubernetes object specification (.yaml) files for these cloud platforms. You can also use Helm charts to deploy TIBCO MDM to run on Kubernetes.

For information, see TIBCO MDM on the Cloud.

Graphical Editor

The Graphical Editor feature has been introduced to display the visual tree representation of record hierarchy. The new Graphical Editor action is added on the **Browse and Search** and **Text Search** tool bar to invoke Graphical Editor for records.

For information, see Graphical Editor for Relationship Management.

Automatic Hierarchy

The Hierarchy Management feature has been extended to automatically create hierarchies based on the selected attribute values in the records. You can use the automatic hierarchy feature for large volumes of data, where manually creating hierarchy and linking records is an unmanageable task.

For information about using the Automatic Hierarchy feature, see Creating Automatic Hierarchies.

For information about the workflow activity, see UpdateAutomaticHierarchies Activity.

Custom matching using query builder platform of TIBCO® Patterns - Search

You can use the query builder platform tool of TIBCO Patterns - Search to search for records. The Query Builder Platform (a Java based tool) that eases the process of designing, testing, and administering TIBCO Patterns - Search record matching queries. For configuration, see Custom Matching Using Query Builder Platform of TIBCO Patterns - Search.

After detecting duplicate records, the source and target records are passed through the Surviving Record Selection activity for merging process. The selection of target record is based on the auto-selection rule. For information about the auto-selection rules and record auto-selection configuration file, see *TIBCO MDM Customization*. For information about parameters of the Surviving Record Selection activity, see SurvivingRecordSelection Activity.

Right to Be Forgotten

The Right to Be Forgotten scheduler job has been added in the Configurator to permanently delete records from the repository based on the attribute name and its value. For information, see Right to Be Forgotten

For information about configuring the scheduler job, see Scheduling Jobs from the Configurator.

Predicate Indexes

The predicate indexes feature of TIBCO Patterns - Search has been added to TIBCO MDM to improve the performance when huge data is uploaded in TIBCO MDM.

For information about creating predicate indexes, see Creating Predicate Indexes.

Deduplication Tool

A new deduplication tool is introduced to deduplicate and group millions of customer (parent) records. By using this tool, you can locate duplicate records before coming to TIBCO MDM. Deduplication and grouping process identifies groups of duplicate records within a dataset. Grouping process categorizes known duplicates into groups. For information, see Deduplication Tool.

The deduplication tool sample is located at `$MQ_HOME/common/standard/samples/DQprocess/customerDedup`. To know more about the tool and its usage, see the *Deduplication tool* Word document.

TIBCO MDM containerization section in Cloud Deployment Guide

The TIBCO MDM Containerization section has been moved from the Installation Guide to theCloud Deployment Guide to help the customers find all containerization information in one place. It is available in PDF and HTML formats. See TIBCO MDM Cloud Deployment.

Miscellaneous Enhancements

The following table lists the miscellaneous enhancements in version 9.3.0 of TIBCO MDM:

Name	Description	Related reference
Purge Enhancements		
Delete Record Hierarchy	You can delete the hierarchy including self, reverse, and forward relationships.	Input to Utility and Command Line Purge Examples
Time and Record Count Bounded Purge	You can use the bounded purge to clean TIBCO MDM data in a planned way. To delete the data, you can run the purge for a fixed duration or for a fixed number of records.	Bounded Purge and Scheduling Jobs Using the Configurator
Updates to TIBCO MDM UI		
Support to select data model and create administrator credentials when creating a company	From the Create Company page, you can select Customer, Party, or Insurance data model and add sample data for the selected data model. If you select the data model, you must create administrator credentials.	Creating a Company Profile
The following new options are added to the Quick Export window: • Workflow • Export Relationship	You can select the **Workflow** and **Export Relationship Data** options to export relationships with their related records.	Export Delivery Options and Exporting Records Using Quick Export

Name	Description	Related reference
Data		
Configuration and System Administration		
Apache Spark Version Upgrade	Version 2.4.5 of Apache Spark is now supported.	Setting up Apache Spark
Workflow Activity Changes		
UnZipFile	FileName parameter can now be of `document` type and can take `file` as an input.	UnZipFile Parameters and Valid Execution Modes
EvaluateSubset	The new CutoffDate parameter has been added, using which you can filter records after a certain date.	EvaluateSubset Parameters and Valid Execution Modes
ExtractDataToDelimitedFile	The new ExportAttributes parameter has been added, using which you can specify whether to export all attributes or displayable attributes.	ExtractDataToDelimitedFile Parameters
Precedence Management		
Log Attribute History	A new `Log Attribute History` configuration property has been added to log attribute history entries for an attribute even if the value of the attribute does not change.	Configuration Properties for Attribute History
REST Services		
New REST Services	The following new REST services can be accessed from the Swagger UI: • Get Data Source List	Using the Swagger UI to Browse REST APIs

Name	Description	Related reference
	- Upload Data Source - Import Records - Data Source Upload and Import Records	

Performance Improvements

The following features have been improved for better performance:

- **Apache Ignite with raw mode:** Reduces memory size requirements

- **Search query:** Retrieves confirmed records from the GOLDENCOPY table

- **Use of multithreaded indexing when indexing records in TIBCO Patterns - Search**: Processes index entities asynchronously, and then each thread processes records in batches

- **Mass update using REST services:** Supports a large number of record updates

- **Import records by using the Direct Load option:** Updates index definition for better direct load performance

Changes in Functionality

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

Changes to the Configurator web server

The Apache Tomcat web server was used for hosting the Configurator web application. It is now replaced with Eclipse Jetty. The related folder and file references have been updated the TIBCO MDM *Installation and Configuration* and TIBCO MDM *System Administration*.

Changes in Platform Support

In this release, platform support for TIBCO® MDM has changed as follows:

Removed Platforms

Platform	Status	As of Release	Notes
Internet Explorer 11	Removed	9.3.0	Internet Explorer 11 does not support many advanced JavaScript functionality. Therefore, starting from TIBCO MDM 9.3.0, Internet Explorer 11 browser support has been removed.
Red Hat Linux 6.1	Removed	9.3.0	TIBCO MDM 9.3.0 supports version 7.5 of Red Hat Linux.

For a complete list of supported platforms, see the Readme file.

Migration and Compatibility

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

Upgrade to 9.3.0 from 9.0.x, 9.1.x, and 9.2.x

You can upgrade TIBCO MDM to version 9.3.0 from versions 9.0.x, 9.1.x, and 9.2.x. For migration steps, see the Upgrade to TIBCO MDM section in the TIBCO MDM *Installation and Configuration*.

Deprecated and Removed Features

The following features have been deprecated or removed as of this release of TIBCO MDM:

For deprecated features, if relevant, useful alternatives are listed. Any use of a deprecated feature should be discontinued because it might be removed in a future release. To avoid becoming dependent on deprecated features, ensure that you become familiar with the suggested alternative features.

Deprecated Features

Affected Component	Description	Deprecated in Release
Record UI Renderer	Customization of RecordUI page through `record-renderer.xml` has been deprecated. The best way to customize RecordUI is to build custom pages using the UIBuilder feature of TIBCO MDM Studio.	9.0.0

Removed Features

Affected Component	Description	Deprecated in Release	Removed in Release
TIBCO ActiveSpaces	Support for TIBCO ActiveSpaces has been removed. You can use Apache Ignite for distributed caching of TIBCO MDM.	9.2.0	9.3.0
Cyclic Import Check	The Cyclic Import Check (com.tibco.cim.optimization.import.cyclictest) configuration property has been removed from the Configurator. This change has no impact on the import functionality.	9.3.0	9.3.0
TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM 2.0.0	Support for ActiveMatrix BusinessWorks™ Plug-in for MDM 2.0.0 has been removed.	9.3.0	9.3.0
Mass Update	The `Maximum records loaded for mass update`	9.3.0	9.3.0

Affected Component	Description	Deprecated in Release	Removed in Release
	configuration property has been removed from the Configurator. A number of records to be updated on the Mass Update UI has been handled in the new Mass Update UI.		

Closed Issues

The following issues have been fixed in this release of TIBCO MDM.

Closed Issues

Key	Summary
CIM-31062	The removed reverse relationship between the records were added back into the record bundle when a new modify request was initiated for the record.
CIM-31026	Error occurred on UI when an optional attribute value was set to NULL in workitem.
CIM-30442	Loading of repository attributes failed due to the ORDER BY clause contained in the SQL query on the large data sets.
CIM-30423	For the input file (used with –uf option), you could only specify the path relative to the user home. You can now specify the path relative to MQ_HOME and the absolute path.
	The file contained a list of PRODUCTKEYID, PRODUCTID, and a combination of PRODUCTID and PRODUCTIDEXT of the records to be purged. You can now also specify an SQL query, which retrieves the list of PRODUCTKEYID.
CIM-30267	After upgrading Google Chrome from version 80 to 83.0, you could not create or modify records.
CIM-30265	If a record was modified more than once (in the following cases), the Processlog ID did not maintain direct proportion to the product version. • When PROCESSLOG_SEQ database sequence was changed for enabling caching • When TIBCO MDM was configured in a cluster
CIM-30260	A performance issue occurred in the record bundle loading after you modified the root record and clicked the **Save & Process** button.
CIM-30217	Multiple email notifications were configured to reassign work items to the selected users and roles. However, email notifications were not sent.
CIM-30202	After running the Modify Record activity recurrently (without any update) from TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM, a new version of the parent record was created instead of returning the "Data Unchanged" message.

Key	Summary
CIM-30163	The precedence management rule did not work on the merge record operations through the Merge Record web service and Manual Merge from UI.
CIM-29946	When modifying a record by using the Record Modify web service, a null pointer exception occurred in the response. The empty RelationshipData information in the web service request caused this issue.
CIM-29839	When running the Record Add REST service with "process": "false" and "validate": "true", the record was saved (as Unconfirmed) even though one or more errors were reported in the REST response.
CIM-29789	The UnZipFile activity usually takes FileName as an input parameter; however, when the file was provided as input, an exception occurred. If you specify the file as an input, change the value of the type attribute from "String" to "Document". `<Parameter name="FileName" direction="in" type="document" eval="variable">outDoc1</Parameter>`
CIM-29711	In TIBCO MDM Studio, after deploying the output map with the cross repository relationship, the relationship output map was not created with the parent output map.
CIM-29681	When reimporting data from one enterprise to another (by using the Data Transfer option), an error was returned in the event log because of the lengthy attribute name in the input map.
CIM-29576	After migrating from TIBCO MDM 8.3.0 to TIBCO MDM 9.2.0, an exception occurred when modifying any record in any repository .
CIM-29634	TIBCO MDM 9.2.0 supports Apache Tomcat® 9.0.31 for containerization and on-premises.

CIM-29567	When running the Add Record and Modify Record activities using TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM 6.4.0, an error occurred if the timestamp format on the Add User page was set to YYYY-MM-DD HH-mm-ss.S z, YYYY-MM-DD HH-mm-ss.S AM/PM, or YYYY-MM-DD HH-mm-ss.S AM/PM z.
	
	To use the timestamp format based on the user preferences, add the following context variable in the Add Record or Modify Record web service:
	
	`<Context>`
	`    <Variable>`
	`      <Name>supressDataFormat</Name>`

Key	Summary
| | ```
      <Value>true</Value>
    </Variable>
  </Context>
``` |
| CIM-29561 and CIM-29602 | The URL element in the out document (generated in the MergeRecord activity) did not comply with the mlXML document schema. |
| CIM-29559 | On PostgreSQL server, when deploying the modified input map in TIBCO MDM Studio, an error occurred. An incorrect PostgreSQL statement was generated with a missing space (between DATA and Type).

Moreover, the input map contained a relationship. |
| CIM-29557 | On the Browse and Search page, when you selected a value in the **Repository** drop-down list, the page stopped responding.

As a result, a list of values matching the criteria was not displayed in the **Repository** drop-down list. |
| CIM-29555

CIM-29556 | On the Merge Record page, you could not copy the cell values to the clipboard.

To copy the cell values to the clipboard, click the **Copy cell value to the clipboard** icon. The icon is displayed when you move the mouse pointer over on a cell. |
| CIM-29550 | A fix has been made to support the record bundle caching with Apache Ignite.

To support the record bundle caching, update the BUNDLE cache configuration in the CacheConfig.xml file (located at $MQ_HOME/config) by appending the following index to the BUNDLE object:

```
<Indexes>
  <Index>
 <Name>INDXRKEYLIST</Name>
 <Type>HASH</Type>
 <Columns>
<Column>RKEYLIST</Column>
 </Columns>
  </Index>
</Indexes>
```

After adding the index, the sample BUNDLE object in the CacheConfig.xml file is updated |

Key	Summary
	as follows: ``` <Cache> <Name>BUNDLE</Name> <Description>This space contains global record bundles as cache</Description> <Type>distributed</Type> <ReplicationCount>0</ReplicationCount> <SingleByteObjectSize>3000</SingleByteObjectSize> <MultiByteObjectSize>4500</MultiByteObjectSize> <ListSize>500</ListSize> <Indexes> <Index> <Name>INDXRKEYLIST</Name> <Type>HASH</Type> <Columns> <Column>RKEYLIST</Column> </Columns> </Index> </Indexes> </Cache> ``` For information about bundle caching, see TIBCO® MDM *Installation and Configuration*.
CIM-29530	When the `NamedVersionPrefix` parameter was used in the EvaluateSubset activity, the records that were corrected (without version change) after the last evaluation were not included in the output record list.
CIM-29514	When adding a duplicate record (the same record with different product ID and extension) through the Add Record web service in the synchronous mode (after configuring the data quality for a repository), a null pointer exception occurred.
CIM-29504	When running the Add Record and Modify Record activities from TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM 6.4.0, an error occurred if the timestamp format on the Add User page was set to the following formats: • YYYY-MM-DD HH-mm-ss.S Z • YYYY-MM-DD HH-mm-ss.S AM/PM • YYYY-MM-DD HH-mm-ss.S AM/PM z To use the timestamp format based on the user preferences, add the following context variable in the Add Record or Modify Record web service:

Key	Summary

```
<Context>

 <Variable>

  <Name>supressDataFormat</Name>

  <Value>true</Value>

 </Variable>

</Context>
```

CIM-29490	TIBCO® MDM 9.2.0 is compatible with TIBCO® Patterns - Search 5.5.0.
CIM-29473 CIM-29543	A fix has been made to correctly compute precedence when the same value for an attribute comes from different sources. In such scenario, the values that come from the source with the higher weightage are always considered and the decay factor is ignored.

To log attribute history, add the following property in the Configurator:

- Configuration value name: Log Attribute history entries for an attribute even when there is no data change
- Internal name: `com.tibco.mdm.create.attributehistory.for.unchanged.data`
- Version: 9.1.2
- Description: Log Attribute history entries for an attribute even when there is no data change. Works in conjunction with the `com.tibco.mdm.precedence.limit.attributehistory.for.repositories` configuration property.
- Value Type: String
- Current Value: true
- Default Value: false

Key	Summary
	• Visibility: Advanced
	• Category: Miscellaneous
CIM-29467 CIM-29532	If the current or previous version of the integer data type attribute did not contain any value, the attribute was not displayed on the Compare Records page.
CIM-29458	TIBCO® MDM 9.1.2 is compatible with TIBCO® Patterns - Search 5.5.0.
CIM-29455 CIM-29542	Searching for records based on the attribute values using a fuzzy search had memory constraints and impacted the performance. To resolve the issue, the predicate indexes feature of TIBCO Patterns - Search has been added to TIBCO MDM. For information, see the "Creating predicate indexes" in *TIBCO® MDM System Administration* .
CIM-29425 CIM-29531	A performance issue was observed when a relationship record with the classification was involved during import; the import took longer than expected.
CIM-29423	When the `NamedVersionPrefix` parameter was used in the EvaluateSubset activity, the records that were corrected (without version change) after the last evaluation were not included in the output record list.
CIM-29387 CIM-29541	A fix has been made to generate attribute history only on a subset of attributes within a repository, which are part of the precedence management. To enable attribute history, add the following property in the Configurator: • Configuration value name: Limit Attribute History Entries • Internal name: `com.tibco.mdm.precedence.limit.attributehistory.for.repositories` • Version: 9.1.2 • Description: Enable Attribute History only for the attributes that are part of Precedence Management • Value Type: List • Current Value: `TEST.EMPLOYEE`

Key	Summary
	- Visibility: Advanced - Category: Miscellaneous **ⓘ Note:** The format of the value is `ENTERPRISENAME.REPOSITORYNAME`.
CIM-29384	When cleaning data history for a specific timestamp range with the purge command, the command removed all history until the current timestamp even after no history records were found for the specified timestamp range.
CIM-29343	Relationship tree performance issue was observed after migration.
CIM-29325 CIM-29326	After a record was moved to the next user in the workflow for approval, if the next user modified the record by adding another attachment or a file to the multivalue file type attribute, the attribute displayed the following error: Failure while copying File.
CIM-29349 CIM-29540	A rulebase was defined to hide record attributes in a child repository based on the `RECORD_ACTION` context variable. However, the hide validation feature did not work in the View Record mode and the attributes were visible.
CIM-29348 CIM-29539	A fix has been made to correctly compute precedence during import, if the previous import source weight was less than the latest import source weight.
CIM-29320 CIM-29538	If you imported a file that did not contain a password configuration, an error was displayed after clicking the user name on the User Accounts page. However, the status of the event erroneously indicated that the import was successful.
CIM-29308	You could not uninstall TIBCO MDM by using the Silent installer file.
CIM-29294	The Save Record activity failed during workflow execution.
CIM-29293	In Internet Explorer 11, after clicking the **Show All Errors** link on the Record Add or Record Modify page, an error was displayed.
CIM-29292	After exporting metadata by using the **Export Metadata (Wizard)** option for business process, an incorrect directory structure was created in the export ZIP file.

Key	Summary
	The issue occurred only on the migration environment.
CIM-29291	After modifying a record from the work item page and clicking **Save**, a new version of the record was created instead of redirecting to the Record Modify page.
CIM-29287	If a user had full permissions on a work item and ALL was selected in the **Repository** and **User** drop-down lists, and if the user approved the work item, the following error was displayed after submitting the work item: GEN-7012: Incorrect number of parameters specified. Usually indicates program error. Additional information: Mismatch in the number of values supplied and no. of OrderBy or Unique Cols defined for the scroller. However, the work item was processed correctly and the workflow was completed.
CIM-29286	A rulebase was defined for the Quantity relationship attribute to verify whether the attribute was defined or not. However, after defining the relationship attribute on the Modify Record page, the Record has errors message was displayed for related records on the work item page.
CIM-29285	When a related record was added to the root record by using the **Create Related Record** option, the related record was added outside of the relationship structure.
CIM-29284	A record search using reverse relationship criteria did not return any records.
CIM-29283	After logging in to TIBCO MDM, the work item list was not refreshed in the Inbox.
CIM-29282	By using the Retrieve Records by ID and IDEXT REST service, you could not retrieve the CONFIRMED parent record with the CONFIRMED child record. To resolve the issue, a new goldenBundle boolean type query parameter has been added. - If you set the value of goldenBundle to true, the response contains details of the parent and child records whose record state was CONFIRMED. - If you set the value of goldenBundle to false, the response contains the CONFIRMED parent record, and the child records according to their latest record state.
CIM-29281	When you added a record using the Record Add web service or using the add record palette of TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM, the value was sometimes not assigned to the relationship attribute of integer type.

Key	Summary
	The issue occurred when the relationship attribute name was defined as QUANTITY or quantity.
CIM-29280	When adding or modifying a record, if the record contained errors, the USER_ACTION rulebase did not work according to the rules set in the rulebase validation file and the validation errors were not displayed after clicking Save and Process.
CIM-29272	When the workflows were run as in-memory, the record state was displayed as Unconfirmed instead of Confirmed on the TIBCO MDM UI.
CIM-29271	The forward relationship and the reverse relationship of the parent or child repositories were returned in the REST Search service response.
CIM-29270	The POST HTTP method did not work for the ModifyRecord and ModifyRelatedRecord REST services.
CIM-29269	The REST services were not supported when TIBCO MDM was configured with the LDAP login module.
CIM-29268	If a multivalue attribute was marked as quick viewable and contained the percent sign (%) in its value, the work item failed to open and displayed an error message.
CIM-29267	When the workflows were run as in-memory, the record state remained as Unconfirmed on the TIBCO MDM UI.
CIM-29266	The forward relationship and the reverse relationship of the parent or child repositories were returned in the REST Search service response.
CIM-29265	The POST HTTP method did not work for the ModifyRecord and ModifyRelatedRecord REST services.
CIM-29264	The REST services were not supported when TIBCO MDM was configured with the LDAP login module.
CIM-29263	If a multivalue attribute was marked as quick viewable and contained the percent sign (%) in its value, the work item failed to open and displayed an error message.
CIM-29258	Clicking the **Show All Errors** link on the record UI displayed a blank page instead of showing the validation errors.
CIM-29257	Clicking the **Show All Errors** link on the record UI displayed a blank page instead of

Key	Summary
	showing the validation errors.
	Additionally, if the multivalue attributes contained the invalid values, the validation errors were not displayed for all invalid values.
CIM-29255	When exporting data by using the **Export Records** option on the Repository page,
CIM-29254	When exporting data by using the Export Records option on the Repository page, all versions of relationship and relationship attribute files were exported (instead of only the latest record version).
	This issue occurred for the child records that were modified in the data source file and the same data source file was used for import.
CIM-29252	When you clicked the **Save and Process** button on the Browse and Search page, the validation rules defined in the `catalogvalidation.xml` file were not retrieved and the records were saved without displaying the validation errors.
CIM-29249 CIM-29240 CIM-28070	When you ran the Record Query web service request with `CommandType = "Query"` from TIBCO ActiveMatrix BusinessWorks™ Plug-in for MDM, the validation rule was triggered multiple times.
CIM-29245	During the validation of a record in the relationship tree, the product ID was replaced with the product ID of a grand-child record for the parent and child records.
CIM-29244	During the validation of a record in the relationship tree, the product ID was replaced with the product ID of a grand-child record for the parent and child records.
CIM-29241	After importing data, the attribute value contained in the data source file was incorrectly displayed on the TIBCO MDM UI.
CIM-29238	The old way of defining access constraint for relationship attribute was mentioned in TIBCO MDM *Customization*.
	The documentation is now updated for the relationship attribute access mode in TIBCO MDM *Customization*.
CIM-29217	Mass update did not work on the migrated environment from version 8.3.2 to 9.2.0 for the Microsoft SQL Server database.
CIM-29108	After importing data, the attribute value contained in the data source file was

Key	Summary
	incorrectly displayed on the TIBCO MDM UI.
CIM-29064	In the SQL Server database, the `NoFSPurgeSchedule` job did not work when using the Configurator.
CIM-29032	(For containerization) After running the Index Entity Checkpoint scheduler job, an error occurred.
CIM-29006	The Cross-origin Resource Sharing (CORS) for Swagger UI was not supported in Microsoft Edge browser.
CIM-28971	Record ID Assign action did not work when creating a related record on the Modify Record page through custom UIBuilder.
CIM-28847	The `invokeJavaAPI` function did not assign the `arrayList` during the EvaluateRuleabse activity.
CIM-28807	From the Configurator, you could not edit the hierarchy lock expiry and hierarchy linkage cleanup jobs.
CIM-28401	Opening a record from the Create Subset Rule page displayed the following error message: Subset name and catalog name must be supplied:(Undefined).
CIM-28272	The `catalogvalidation.xml` rulebase was triggered when the Record Query web service was called for certain repositories.
CIM-28271	Running the Record Query web service request triggered the `catalogvalidation.xml` rulebase for certain repositories.
CIM-28219	When importing records, the UpdateRecordState activity remained in the InProgress state constantly and the import event failed. The issue occurred in the following cases: • The value of `VersionPolicy` parameter was specified as `CORRECT` or `OPTIMIZE`. • Multiple edits were done in the workflow
CIM-27964	The database deadlock issue occurred when running the datacleanup purge utility to delete records in the repositories.
CIM-27927	During the validation of a record in the relationship tree, the product ID was replaced with the product ID of a grand-child record for the parent and child records.

Key	Summary
CIM-27264 CIM-29529	After setting the `com.tibco.mdm.indexing.indexOnStartup` property to true and restarting the TIBCO MDM server, checkpointed table-data in the TIBCO Patterns - Search server was lost.
CIM-26641	The RECORD STATE filter was added to RESTful Search API.
CIM-26589 CIM-29534	On the Inbox page, after you clicked the next page number to view further work items, the work items of the next page number were not displayed. Instead, the work items of the previous page numbers were displayed. Additionally, some UI issues were observed.
CIM-26501	In child record, the Boolean type attribute value was getting propagated in upper case, though it was defined in lower case in parent record.
CIM-26357	After deleting an existing user, the Moddate value in the `Member` and `MemberHistory` tables was not updated to the date when the user was deleted.
CIM-26175	Relationship records were not displayed on the Create New Record page when attribute group was hidden.
CIM-26126	You could not perform the following actions: • Add or remove a relationship between existing records by using the REST services • Modify a record in work item by using the REST services. The following two new parameters are now added in the Modify Record REST service to add or delete relationships between records. • deleteRelationship • incremental
CIM-26113	The Text Search feature did not work after changing the enterprise name.
CIM-26093	When only warning messages were generated by the rulebase validation, TIBCO MDM did not allow users to save a record by clicking **Save and Process** or **Save**. The issue occurred when the repository contained a relationship.
CIM-26060	The installation of TIBCO® Fulfillment Catalog 3.0.2 with TIBCO MDM 9.0.1 failed.

Key	Summary
CIM-26044	Modifying an attribute value of a child record was not possible. After changing the value and clicking **Validate**, the No Record is Modified message was displayed. The issue occurred when hide constraint was applied on that attribute.
CIM-25589 CIM-26938	An error occurred when exporting role-based permissions (using **Export Metadata (File)** option). The export was successful for the first time. However, after you purge the metadata, and then export the permissions, it failed.
CIM-22744	To enable notifications for all repositories, the `.*` value was mentioned in TIBCO MDM *System Administration*. However, the correct value to be set is `*`. The "Enable Record Change Notifications" and "Repository Change Notifications" sections have been updated in TIBCO MDM *System Administration*.
CIM-20251	In Windows operating system, the Configurator failed to start when Java was installed in the `Program Files` folder.

Known Issues

The following issues exist in this release of TIBCO MDM:

Key	Summary
CIM-31331	**Summary:** In the SQL Server database, when an enterprise is created with the Customer data model, creating a new process definition selection business process rule displays an exception. **Workaround:** Modify the `Process-Definition-SelectionDefault*.xml` file located at `$MQ_COMMON_DIR/`*enterprise_name*`/rules` to correct `ProcessDefinitionName/SQLQuery` for the SQL server database.
CIM-31259	**Summary:** By running the **NoFS Purge Scheduler** job with the default `DELETE OLDER WORK AND TEMPORARY FILES FROM DB FILE SYSTEM` value displayed an error. **Workaround:** Change the job name in the *CronSchedules.xml*.
CIM-31199	**Summary:** Modifying child records linked to the cross-repository automatic hierarchy whose relationship is lost retains the nodes with old values. **Workaround:** None
CIM-31088	**Summary:** Text indexing is not working on the backup server topology. **Workaround:** None
CIM-30952	**Summary:** When you re-deploy metadata-xml with group and attribute name change, it clears the value of the existing record, after it is copied. **Workaround:** None
CIM-30904	**Summary:** On the Graphical Editor page, the Linkages tab is not available for the records for merge use case. **Workaround:** None
CIM-30895	**Summary:** The Disconnect rulebase action does not work on the Graphical Editor page. **Workaround:** None

Key	Summary
CIM-30871	**Summary:** When multiple business process rules are set for Hierarchy, either independent rules or chained step rules, the hierarchy lock is not owned by the corresponding work item owner at the point whichever work item becomes active. **Workaround:** None
CIM-30870	**Summary:** In the WebLogic application server, out-of-the-box session replication is not supported. **Workaround:** Set the sticky session in the Load Balancer.
CIM-30826	**Summary:** The **Filter** text box displayed in the Add Record window of the Graphical Editor page is not editable. **Workaround:** None
CIM-30729	**Summary:** When you click the **Configure** link and set the com.tibco.cim.ui.optimization.recordsearch.relationship.depth property more than 5 times and if there are more searchable attributes in the repository, the page becomes unresponsive and server becomes slow. **Workaround:** Do not set the com.tibco.cim.ui.optimization.recordsearch.relationship.depth property more than 5 times and avoid using the **Configure** link frequently.
CIM-30717	**Summary:** Enterprise name with special characters is not be allowed. **Workaround:** None
CIM-30675	**Summary:** Deploying out-of-the-box Party template project from TIBCO MDM Studio fails to deploy identity rulebases in the standard folder. **Workaround:** After the Party model deployment, deploy b2b_SFIdentityRulebase.rul and b2b_SFImportRulebase.rul rulebases by selecting the standard enterprise on the Enterprise Selection page.
CIM-30628	**Summary:** When multiple text indexing requests are simultaneously sent, the text index is initiated, however an error occurs. **Workaround:** Send a single text-indexing request at a time.
CIM-	**Summary:** In a repository, when records are imported by using the **Split/Approval**

Key	Summary
30541	option required option and if there are associated Automatic Hierarchies with this repository as root level, then such hierarchies are not updated correctly and few records might be missed in the processing, and the associated nodes are visible in the hierarchies. **Workaround:** Such nodes are created or updated when the associated records are modified next time or on the next execution of automatic hierarchies scheduler.
CIM-30496	**Summary:** `Patterns_gateway` is giving .NetricsException: 117 Node communications failed. **Workaround:** Run `Textindex` once again from UI.
CIM-30221	**Summary:** When a record with the assign identity constraint is modified and if its identity matches with other record, the validation errors are displayed on the UI. However, you cannot modify the main record to rectify the validation errors. **Workaround:** None
CIM-30212	**Summary:** The FILE type relationship attribute cannot be downloaded and the preview is not displayed when it is imported by using the **Import** option. **Workaround:** None
CIM-30171	**Summary:** When the bundle cache is `true`, the records pending for delete approval are not displayed as confirmed records after the **Advanced Mass Update** operation. **Workaround:** None
CIM-30169	**Summary:** The default value for the `Content type` input parameter must be **multipart/form-data** instead of **application/json** for the `datasource upload` and `LoadImport` actions. **Workaround:** Set `Content type` value to `multipart/form-data`.
CIM-29603	**Summary:** The re-importing metadata having the output maps from server side displays an error. **Workaround:** Deploy the metadata from TIBCO MDM Studio.
CIM-29176	**Summary:** The query parameters as map are not supported in the Swagger UI. However, the queryMap request parameter is shown as a mandatory parameter for the REST

Key	Summary
	service to retrieve valid values with classification for the specified repository. **Workaround:** Provide a dummy value in queryMap field on the Swagger UI.
CIM-29142	**Summary:** On the User Accounts page, you cannot create a user if the user name that contains multibyte characters. **Workaround:** None
CIM-29138	**Summary:** File upload for the multivalue attribute does not work. **Workaround:** None
CIM-29134	**Summary:** The scheduler duplicate detection operations work on the Oracle and SQL Server databases, however, the job creation fails on simple installation with the `Newly created job failed` error. **Workaround:** None
CIM-29120	**Summary:** The **Matching Records** section displays the source records instead of matching records. **Workaround:** None
CIM-29117	**Summary:** The order of multivalue attribute is not maintained correctly on the database. The Record Query shows different results on the PostgreSQL database than Oracle and SQLServer. **Workaround:** None
CIM-29016	**Summary:** In the response attribute history of the RelatedRepositoryList and RepositoryListWithDependentArtifacts REST services, the default value of the precedence management parameter always remains false. **Workaround:** None
CIM-29009	**Summary:** The File type attribute does not work for the Download and Import data transfer REST services. **Workaround:** None
CIM-	**Summary:** Pagination does not work for the hierarchy management UI when used with

Key	Summary
28970	Oracle 11g. **Workaround:** Use Oracle 12.
CIM-28938	**Summary:** From the Event Log page, the following event actions are not supported for hierarchy (Create, Edit, and Delete) events: **Cancel**, **Resubmit**, **Restart**, and **Rollback**. **Workaround:** None
CIM-28903	**Summary:** A new duplicate import event is triggered if you refresh the Import Status page. **Workaround:** Avoid refreshing the Import Status page.
CIM-28893	**Summary:** Swagger UI does not support multiple uploads for adding or modifying a record. **Workaround:** None
CIM-28864	**Summary:** When any hierarchy work item is rejected, a dummy version is created for auditing or tracking purpose. This dummy version does not have any hierarchy node or structure details. In this case, only a root node is displayed. **Workaround:** None
CIM-28846	**Summary:** In Microsoft Edge, the left and right navigation options in the hierarchy management UI do not work. **Workaround:** Use Google Chrome version 75.x or later.
CIM-28844	**Summary:** The hierarchy management UI might look distorted in the Safari browser. **Workaround:** Use Google Chrome version 75.x or later.
CIM-28797	**Summary:** For the closed link approval work item, no entries for leaf node-record ID links are displayed under the **Link** and **Unlink** fields on the Browse linkages for hierarchy page. **Workaround:** None
CIM-28713	**Summary:** For a data steward user, the work item summary pie chart does not filter the work items correctly after clicking **Closed** or **Open** sections.

Key	Summary
	Workaround: None
CIM-28707	**Summary:** For the Classification Extraction method, records are imported but not classified under the defined classifications. **Workaround:** None
CIM-28178	**Summary:** Rejecting a delete hierarchy work item result into a dummy version and this version is displayed on the Version History page as Rejected. **Workaround:** None
CIM-28125	**Summary:** The hierarchy details such as **Name**, **Node**, **Details** are not displayed for the simplified inbox. These details can be viewed from the classic inbox. **Workaround:** None
CIM-28029	**Summary:** The Simplified and Extended Inbox pages do not respond to a large number of work items. The issue occurs on the PostgreSQL database. **Workaround:** None
CIM-27962	**Summary:** The custom pages that are deployed for the metadata operations (such as view record or modify record) are not displayed on the Mass Update work item page. **Workaround:** None
CIM-27942	**Summary:** When node deletions are rejected, the deleted nodes are not automatically restored for hierarchy correction. **Workaround:** Manually create the node with the help of the information already present on the hierarchy page.
CIM-27478	**Summary:** The purge functionality does not support hierarchy or hierarchy version purging. **Workaround:** None
CIM-27400	**Summary:** Purge using the commandline option generates an error when the `ALL` option is used as an enterprise name (`-an ALL`) along with the member name (`-mn`) parameter. **Workaround:** Use the member ID (`-m`) parameter instead of member name (`-mn`).

Key	Summary
CIM-27280	**Summary:** Importing reused metadata with the custom table names fails. You cannot use the same custom table names for the TIBCO MDM entities, such as repository, relationship repository, and multivalue or category-specific attributes because the database is shared for all enterprises or projects in the environment. **Workaround:** Remove or change the custom table name before reusing metadata.
CIM-27279	**Summary:** If you delete a record by using the RightToForget scheduler job and then create a new record by using the record ID and EXTENSION of the deleted record, an error is returned. **Workaround:** Clear the cache for the RECORD category or restart the TIBCO MDM server from the Overview pane.
CIM-26298	**Summary**: When you add duplicate multiple child records by using the Add or Modify Record REST service, an error is not returned. Instead, a single related record is added and the duplicate records are ignored. **Workaround**: None
CIM-26082	**Summary**: Add record UI page with relationships shows the red indicator in the relationship tree when user does not enter any data or does not select the validate action. **Workaround**: None
CIM-26037	**Summary**: The Record web service or REST service does not work with RECORD_STATE having multiple options in it. **Workaround**: Execute the service with a single option.
CIM-26030	**Summary**: Rollback event up to the selected step does not work for in-memory workflow event. **Workaround**: None
CIM-26021	**Summary**: After migrating from version 8.3.2 to version 9.1.0, an error message is displayed when you add records for the Link to Metadata type custom UI page. However, the records are added successfully. **Workaround**: Use TIBCO MDM Studio 5.1.0 release to migrate the studio project and then redeploy the custom pages to link to the metadata operations.

Key	Summary
CIM-26013	**Summary**: TIBCO MDM server fails to index records when indexing the relationship attributes in the normalized index entities. **Workaround**: None
CIM-25982	**Summary**: Record merge event shows as "In-Memory" on the Show History page. **Workaround**: None
CIM-25868	**Summary**: The AM and PM timestamp type is displayed in the specific native locale instead of AM/PM. This issue occurs because the TIBCO MDM server does not use the user profile's locale for the formatting timestamp that is displayed to the user. The TIBCO MDM server picks the default server locale. **Workaround**: None.
CIM-25643	**Summary**: The TIBCO MDM Server does not start with Apache Ignite and golden record cache when too many enterprises are configured. **Workaround**: None.
CIM-25606	**Summary**: When you run `pgAdmin4.exe` from `$MQ_HOME\bin\pgsql\pgAdmin4\bin`, a black page is displayed. The issue occurs if you have installed PostgreSQL on a Windows 2008 Server. **Workaround**: None.
CIM-25587	**Summary**: Copying a repository with the manual classification scheme does not copy over the classification scheme and the classification level to the copied repository. **Workaround**: None
CIM-25519	**Summary**: The Compare Record REST service does not support comparison of relationship records and relationship attributes. **Workaround**: None
CIM-25327	**Summary**: Attribute group name with multibyte characters is not accessible on the Browse and Search page. The issue occurs only on the Mozilla Firefox browser. **Workaround**: None

Key	Summary
CIM-25006	**Summary**: Generating Record ID through rulebase constraint for child records during Record Copy Action is not supported. **Workaround**: None
CIM-24785	**Summary**: Geo analytics configuration does not allow you to define address cleansing as enterprise specific. **Workaround**: None
CIM-24226	**Summary**: After clicking **GEO Tab** on the Record UI page, a pop-up with a list of addresses based on the location is displayed even though the **Lookup** button has not been clicked. **Workaround**: Close the pop-up.
CIM-24202	**Summary**: The scale for decimal type values cannot exceed seven for adding records. **Workaround**: None
CIM-24144	**Summary**: The data transfer feature has problems with the custom decimal type on a Microsoft SQL server. **Workaround**: None.
CIM-24007	**Summary**: The View record page of the Data Quality work item UI only shows the **Quick Export** option for child records. **Workaround**: None
CIM-23971	**Summary**: If a parent record has three relationships with the same grand-child, it is not indexed in the Netrics table. **Workaround**: Break the record bundle.
CIM-23965	**Summary**: The use of child attributes in a matching-attribute list for scheduler duplicate detection throws an error in the logs. **Workaround**: None
CIM-23872	**Summary**: The synchronization profile fails at the ConvertRecordToOutput activity because the CatalogReference details are not populated as a part of the GetItem activity.

Key	Summary
	Workaround: None.
CIM-23832	**Summary**: When executing web services and REST GET records by repository name requests with the work item ID and record state parameters, the web services response contains the records in the draft state but the REST response is empty. **Workaround**: None
CIM-23808	**Summary**: With Text Search on the UI, the value of 'search in' changes after the record operation. **Workaround**: None
CIM-23801	**Summary**: With the all-in-one installer, the Process Definition Selection contains the same action twice: "Wfin26dqcatsourcev1.xml-Process for data source update and import with DQ". **Workaround**: None
CIM-23772	**Summary**: Search requests with supported operators with supported data types give an invalid result. **Workaround**: None
CIM-23755	**Summary**: When importing duplicate records, merging each record from the first page of the work item details, and then when clicking an already merged record, the application throws a null pointer exception. **Workaround**: None
CIM-23712	**Summary**: Direct merge after modifying a record deletes the source record from the netrics table. **Workaround**: None
CIM-23709	**Summary**: For POST add records with invalid values for relationship attributes of different data type, the response contains an invalid error message and the record is added on the UI without relationship attribute values. **Workaround**: None
CIM-	**Summary**: When executing a POST add record request with a different timestamp

Key	Summary
23705	format, the relationship attribute of the different timestamp type is not added on the UI and the response contains an invalid error message. **Workaround**: None
CIM-23681	**Summary**: Data Quality does not show the correct order of matching child records. **Workaround**: None
CIM-23651	**Summary**: The "Data Service Update" event succeeds even though there is no metadata present in the target enterprise. **Workaround**: None
CIM-23641	**Summary**: Only the child record is shown on the Browse page of Event Details when a self-related output map is used with different sync format for synchronization. **Workaround**: None
CIM-23633	**Summary**: When searching for an attribute in the Configure window, no attribute is shown even if the exact attribute name is searched. **Workaround**: None
CIM-23624	**Summary**: Users are not able to search record details if the milliseconds "S" value is 030 or 30 on the record. **Workaround**: None
CIM-23612	**Summary**: There is a pagination mismatch on the Synchronization Profile page and other UI pages. **Workaround**: None
CIM-23600	**Summary**: The multi value file type attribute is not supported through UIBuilder. **Workaround**: None.
CIM-23593	**Summary**: A GET request with a repository name and record count and record index value as 1 gives an empty response. **Workaround**: None.

Key	Summary
CIM-23501	**Summary**: When specifying the "Record Count" and "Start Index" value from the query parameter, the Search Post request does not work correctly. **Workaround**: None
CIM-23485	**Summary**: When using the rest service delete operation, and in the case of using the reverse self relationship, the operation may also delete the parent record. **Workaround**: Use the delete REST service to delete the parent record.
CIM-23453	**Summary**: When selecting **Check Existence** for more than one relationship on the UI, a parallel line after the **Check Existence** check box and the **Count** check box after the second relationship is shown. **Workaround**: None
CIM-23450	**Summary**: When adding a duplicate child record from the source to the target, validation does not throw an error. **Workaround**: None.
CIM-23442	**Summary**: In text search, when the child record is matched for the searched string, the same matching score is shown to all the remaining child records. **Workaround**: None
CIM-23419	**Summary**: The `Is defined` and the `Not defined` operators are not working with the REST services. **Workaround**: None
CIM-23411	**Summary**: In text search, users are not able to search for a timestamp attribute value along with one searchable text string. **Workaround**: None
CIM-23401	**Summary**: All the input/output parameters for the "Show more Details" section on the View Event Details page for Data Transfer event (Load Data Source and Import Records) are not enhanced. **Workaround**: More information regarding this event can be found in the Additional Data section on the View Event Details page and in the Event Log file.

Key	Summary
CIM-23393	**Summary**: A mandatory defined rule does not work for relationship attributes with REST web services. **Workaround**: None
CIM-23326	**Summary**: The **Show Different Values** option is not available on the Merge Record Details page in the 9.0.1 version of TIBCO MDM. This functionality was available in the 8.3.2 version. Due to the redesign of the merge work item, this functionality is hard to display and therefore requested to add back. **Workaround**: None.
CIM-23256	**Summary**: The work item summary filter does not work correctly if the attribute value starts with a space. **Workaround**: None.
CIM-23239	**Summary**: Multi value attributes are not supported for the work item summary filters. The ordering and depth cannot be easily predicted. **Workaround**: None
CIM-23166	**Summary**: Join entity is not indexed after direct load. **Workaround**: Reindex the join entity.
CIM-23100	**Summary**: A record post request with an invalid syntax for multi value attributes gives a record add success message in the JSON response. **Workaround**: None
CIM-22817	**Summary**: A boolean attribute is rendered in lower case letters on the UI if the record renderer customization is used. **Workaround**: None
CIM-22711	**Summary**: After incremental deployment, a null pointer exception occurs on creating a record. **Workaround**: In the case of incremental deployment of metadata, if the following operations are performed on any repository having perspectives, you must select those perspectives while importing the metadata:

Key	Summary
	- deleted related repository and repository attributes - updated relationships
CIM-22666	**Summary**: Exporting relationship output map through the export wizard UI is not supported. **Workaround**: Export metadata using XML file.
CIM-22655	**Summary**: With data quality merge, the relationship attributes are not merged during the direct merge. **Workaround**: None
CIM-22611	**Summary**: In the Merge UI (Manual Merge and Work Item Merge) the drop-down lists are not editable. Inline editing is disabled. **Workaround**: None
CIM-22516	**Summary**: Subset rule with a list option throws an error when the data source attribute of a type other than string is used in the filter criterion with a non-string attribute repository. **Workaround**: Use the string attribute in the data source.
CIM-22436	**Summary**: Related records are not loaded on Internet Explorer 11 after using globalized data. **Workaround**: None.
CIM-22347	**Summary**: Roll back for item corrected record version does not rollback manual classification. **Workaround**: None.
CIM-22345	**Summary**: Rollback for corrected record version does not rollback manual classification. **Workaround**: None.
CIM-22333	**Summary**: Event rollback does not work correctly when future dated records are modified by changing the effective date. **Workaround**: None

Key	Summary
CIM-22252	**Summary**: Rollback of correction does not work correctly when relationships need to be reverted. **Workaround**: Manually revert the relationship using database queries.
CIM-22141	**Summary**: The standard and velosel folders are created in the$MQ_HOME/common folder even though the customized path is provided while installing TIBCO MDM. **Workaround**: • Update the value for the *$MQ_COMMON_DIR* environment variable or • Copy the standard and velosel folders from the *$MQ_HOME*/common folder to *$MQ_COMMON_DIR*
CIM-22128	**Summary**: The back button on the error popup window triggered through the inbox with access restriction is not working. **Workaround**: Close the error window.
CIM-21884	**Summary**: Running purge in the repository or enterprise mode might not purge everything due to deadlocks. **Workaround**: Purge records and metadata separately.

CIM-21701	**Summary:** The configuration setting of TIBCO Patterns - Search are not listed in the TIBCO MDM silent installer file. The issue is observed on Linux and Windows platforms with WebLogic or WebSphere application server.
	
	Workaround: Add the following configuration settings of TIBCO Patterns - Search after the Configurator Settings in the TIBCO MDM silent installer file:
	
	`<!-Patterns Settings->`
	`<entry key="patterns.ui.port">9080</entry>`
	`<entry key="patterns.server.port">5051</entry>`
	`<entry key="patterns.windows.service">false</entry>`

CIM-21661	**Summary**: When a record is in workflow and the work item is not locked, a different user can browse and search the record, and then modify it. **Workaround**: None

Key	Summary
CIM-21645	**Summary**: The FILE type attributes are not supported with Precedence Management. **Workaround**: None
CIM-20873	**Summary**: When a record version is corrected multiple times using the Correction action, the Version History page shows an incorrect name for the member who modified or corrected that version. All rows on the history page for that version shows the name of the member who corrected it last. **Workaround**: None
CIM-20871	**Summary**: Sometimes using an output map to filter the result of a record query service call on a SQL Server can cause an error. **Workaround**: None
CIM-20801	**Summary**: Instead of browser-based drop-down lists, some pages on the UI display custom drop-down lists for the pagination bar. **Workaround**: None
CIM-20426	**Summary**: Special characters, such as the forward slash (/) and back slash (\), are not permitted as part of the index entity names. **Workaround**: None
CIM-20212	**Summary**: Special characters (such as the ASCII control characters) are not handled correctly when writing attributes containing them are written out to the HTML page or are included in the URL. This includes PRODUCTID and PRODUCTIDEXT. **Workaround**: None
CIM-20165	**Summary**: When using the Correction action to remove a relationship and then another item correction request to create the same relationship again, it does not create the relationship. **Workaround**: None
CIM-20073	**Summary**: If a record contained non-Japanese double-byte character sets (DBCS) characters, the Connect action fails. The issue occurs on the SQL Server database. **Workaround**: None

Key	Summary
CIM-19752	**Summary**: The Custom Decimal data type considers the minus (-) or the plus (+) symbol as a digit in the precision. **Workaround**: Plan the custom decimal one digit larger than what the actual size requires.
CIM-19745	**Summary**: For text search, when reducing the similarity score to less than 0.4, no records are displayed. **Workaround**: None
CIM-19704	**Summary**: The hot deployment feature does not work as expected if the landing page is customized. **Workaround**: None.
CIM-19532	**Summary**: For certain customized workflows, the parent records version gets increased without any modifications done to it's attributes. **Workaround**: None
CIM-19499	**Summary**: On the record UI, the customized renderer loses selection if the page is refreshed. The customization includes a display drop-down list with the radio button for an attribute and the ShowAsRadio constraint. **Workaround**: None
CIM-19445	**Summary**: The Moddate value is not updated correctly in the MEMBER and MEMBERHISTORY tables when the user is changed or deleted. **Workaround**: None
CIM-19293	**Summary**: Merging of two records with a multilevel classification scheme and the category specific attributes does not work in specific cases. **Workaround**: None
CIM-19256	**Summary**: The Detected Old Installation window is not displayed when you select the Migration option in the Configurator to migrate from an earlier version to version 8.3.2. **Workaround**: Manually migrate by entering the old version and home directory.

Key	Summary
CIM-19201	**Summary**: The record attribute modification is not updated on the record UI, if the record attributes are edited first, followed by the classification scheme. Only the classification scheme modification is updated. **Workaround**: None
CIM-19128	**Summary**: Importing repository metadata with the synchronization format fails with the following error: CAT-1027: Stale data; data modified by another user or process. The issue occurs on the PostgreSQL database. **Workaround**: Import synchronization format first and then the repository metadata.
CIM-19037	**Summary**: The UI search with the **Check Existence** drop-down list does not work correctly, if second level relationships are involved. **Workaround**: None
CIM-18893	**Summary**: The Process Comment History section is not available on the Import Approval work item page with the corresponding business process rule. **Workaround**: None
CIM-18869	**Summary**: The ORA-00933: SQL command not properly ended exception occurs when slice action is used with the datasource and the datasource name has a hyphen (-) character. **Workaround**: None.
CIM-18614	**Summary**: When using the Add or Modify SOAP web service with a grandchild is present in the request, the version sometimes increases for the sibling child without any changes saved. **Workaround**: None
CIM-18221	**Summary**: The Record Modify web service with `Version_Policy=Correct` can correct the UNCONFIRMED record version to make it CONFIRMED. The existing STATE and new STATE are different, and therefore, this is invalid based on the correction version policy. **Workaround**: None
CIM-17833	**Summary**: While exporting the permissions from the TIBCO MDM UI, the following error occurs: Relationship Not Found for the resourceID <resource ID>.

Key	Summary
	Workaround: None
CIM-17825	**Summary**: Add role based permissions to custom menu items does not work in all scenarios.
	Workaround: None
CIM-17214	**Summary**: The PARENT rulebase context variable is not evaluated correctly when the related record is added using the reverse relationship.
	Workaround: None
CIM-16963	**Summary**: `MQ_COMMON_DIR` is empty when TIBCO MDM is installed using the Silent Installer, even after you specify the `commonConfig_useDefault` key as false and provide the correct path for the `commonConfig_directory` and `tibco.cim.common.dir` keys.
	Workaround: None
CIM-16943	**Summary**: When using the Metadata Export GUI wizard, it is possible to select the predefined TIBCO synchronization format, has missing column names, which is causing a schema validation error for imports being attempted on exports containing this predefined format.
	Workaround: None
CIM-16893	**Summary**: The uncategorized action based on a number of classification code paths does not work consistently.
	Workaround: None
CIM-16844	**Summary**: The scheduler duplicate detection process does not work correctly if the two indexes share the same repository name as the primary or parent, that is, a single repository with `IndexEntity joinTable="false"` and a cross-repository with `IndexEntity joinTable="true"` index. In this case, overlapping indexes, records from matching child records from the cross-repository index are also returned.
	Workaround: None
CIM-16530	**Summary**: The indexed attributes in the `IndexerConfig.xml` file are not automatically updated when the attribute name is changed, and the repository is incrementally deployed.

Key	Summary
	Workaround: Edit the attribute definition in the `IndexerConfig.xml` file.
CIM-16471	**Summary**: With the data quality match and merge workflow, while having the source record merged with a target record through DirectMerge (the source record has only one target match candidate record), if the source and target records have different related records, the related record for the source record does not get merged to the target record in spite of having the `ImplicitRelationshipMerge` parameter set as true in the DirectMerge activity.
	Workaround: None
CIM-16274	**Summary**: Inconsistent behavior in the user interface when using repository names starting with a number.
	Workaround: Avoid using number leading repository names.
CIM-16021	**Summary**: The ManageRecordCollection activity bundles all the records in the workflow as opposed to the records which are part of the InRecordlist passed.
	Workaround: None
CIM-15873	**Summary**: The response of the GetImportEventDetails web service does not return valid counters after the server restarts.
	Workaround: None
CIM-15732	**Summary**: The Record Query web service does not work when using the EFFECTIVEDATE relationship attribute in the Context variable.
	Workaround: None
CIM-15727	**Summary**: An exception is thrown while creating a work item for a large number of users in the specified role. The exception occurs when formatting user names to display them in the Event log page.
	Workaround: To avoid the exception and disable the formatting of user names, add the `Formatting User Name` property in Configuration (**Tools > Add Configuration Value**). Specifying the False value disables the formatting of user names. Enter the following details in each field: - Configuration value name: Formatting User Name - Internal name: `com.tibco.cim.workflow.formatUserName`

Key	Summary
	- Version: 8.2 - Visibility: Advanced - Description: Formatted user names are displayed in the Event log page. By default, specify the True value. Setting this property to False disables the formatting of user names. - Current Value: False - Default Value: True - Category: Workflows **Limitation**: Currently, the database schema supports only 8000 characters for `stateparam` in the `Processsstate` table. The exception occurs if the combined length of user names and the process state exceeds more than 8000 characters. The fix does not remove this limitation.
CIM-15307	**Summary**: Import of the MassUpdate rulebase fails if another rulebase is deployed with the same name. **Workaround**: None.
CIM-15306	**Summary**: Export of the MassUpdate rulebase fails if another rulebase is deployed with the same name. **Workaround**: None.
CIM-15305	**Summary**: Export of included rulebases defined for a decision table fails. **Workaround**: None
CIM-15187	**Summary**: Classification Scheme was not displayed on the "Record Review and Rejection" page. **Workaround**: None
CIM-15085	**Summary**: An SQL statement contains multibyte characters when you start import with the input map. This causes the Oracle error ORA-936 error. **Workaround**: None.
CIM-15033	**Summary**: Modifying a record that contains a Checkpoint activity in the workflow and an REA business process rule results in NullPointerException. If the workflow is suspended, the workflow details might not be persisted correctly, causing problems in opening the

Key	Summary
	work item.
	Workaround: None.
CIM-15032	**Summary**: Deleting a record that contains a Checkpoint activity in the workflow and an RDA business process rule results in NullPointerException. If the workflow is suspended, the workflow details might not be persisted correctly, causing problems in opening the work item.
	Workaround: None.
CIM-15028	**Summary**: Adding a record that contains a Checkpoint activity in the workflow and a NRIE business process rule results in NullPointerException. If the workflow is suspended, the workflow details might not be persisted correctly, causing problems in opening the work item.
	Workaround: None.
CIM-14972	**Summary**: The timestamp based classification tree entries use a uniform format, which is not the same as that of user-selected preferences.
	Workaround: None
CIM-14847	**Summary**: A web service request with a timestamp format different from that selected by its user results in a response with an unclear error message.
	Workaround: None
CIM-14730	**Summary**: Adding only relationship without merging a parent record does not work as expected.
	Workaround: None
CIM-14617	**Summary**: If the length of a relationship attribute is changed (from default to 512), the column length of the RELATIONSHIPATTRIBUTE (RCT) table is not altered even if the attribute length in the CATALOGATTRIBUTE table is updated.
	Workaround: Manually adjust the column length.
CIM-14338	**Summary**: If the record is in the latest version, the record cannot be modified through the Record UI.
	Workaround: None

Key	Summary
CIM-13882	**Summary**: Comparing two dates with <gt> in the rulebase does not always work correctly. **Workaround**: None
CIM-13744	**Summary**: For purge, when a shutdown is initiated while the purge is running in the background, exceptions occur on the application server console and `elink.log`. Also, the event state remains in progress. **Workaround**: None.
CIM-13680	**Summary**: For the download link to appear, the Export Metadata Profile page needs a page refresh (F5) after exporting a previously created profile. **Workaround**: None
CIM-13144	**Summary**: The parameter value is overwritten to null, if you use an internal parameter of the same workflow in one activity having an input from the output parameter of another activity. **Workaround**: None
CIM-13128	**Summary**: Emails sent from timed out work items are sent multiple times than expected. **Workaround**: None.
CIM-12067	**Summary**: With Rulebase, an exception is thrown when using a variable within a concat clause that is used within a like expression. **Workaround**: None
CIM-11529	**Summary**: When a large number of single record concurrent modification requests are sent, some records show as UNCONFIRMED on the UI. When the cache is restarted, the state of the record is correct. **Workaround**: None
CIM-11517	**Summary**: If a data source contains many duplicate records and relationships, database loader can fail with a duplicate key error while processing the explicit relationships. **Workaround**: Choose a slower update interval.

Key	Summary
CIM-11143	**Summary**: When records are validated through 'ValidValues', the behavior is not consistent using the user interface and the web service. The UI reports an error but the web service does not. **Workaround**: None
CIM-10892	**Summary**: Even when a repository is deleted, the related index entities are still searchable. **Workaround**: None
CIM-10614	**Summary**: When manually editing the indexing configuration file (`IndexerConfig.xml`), you have to specify the attribute names in uppercase. **Workaround**: None
CIM-9701	**Summary**: Documentation is required to describe a list of mandatory conditions to be imported while customizing or creating a new business rule domain. **Workaround**: None
CIM-8659	**Summary**: The SQL data source for the date type may have problems when it is imported. **Workaround**: None
CIM-7708	**Summary**: A repository cannot be created with a name similar to the previously deleted repository name. **Workaround**: None
CIM-5943	**Summary**: Import of data source with images (FILE attribute) can be problematic in certain situations, as the upload happens after the input mappings have already been created. **Workaround**: Upload the data source file before creating the input mappings or before redeploying the input maps.
CIM-4220	**Summary**: Setting up permissions for modifying, viewing, and synchronizing a record in case a cross catalog relationship fails with an error message. **Workaround**: None

Key	Summary
CIM-2085	**Summary**: The Rulebase execution can happen multiple times than needed for editing a record. **Workaround**: None

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