TIBCO EBX®
Release Notes

Version 6.1.5
June 2025

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6.1 service packs

6.1.5

6.1.5 has been built on July 1, 2025. Overview of this service pack:

License keys	The license key manager has been reinstated. Your license key is now aligned with your EBX® instance contract type: subscription, perpetual, or trial. Deployed add-ons are now registered and enabled at system startup.
	See *Setting an EBX® license key properties file* and *EBX® Container Edition configuration* for more information.
Core Engine	The memory footprint of the probabilistic filter used to speed up primary key lookups has been reduced by raising its false positive probability. The better accuracy was not worth the additional memory consumption and hash functions to check.
	Note this change will only impact newly indexed records and indexes that are rebuilt starting from this release. Existing indexes remain usable but will continue using the extra accuracy with the higher memory consumption.
Query	Some queries were optimized. This improves the estimation of the join cost to resolve foreign key labels and linked fields to prevent performance degradation during the sort.
	Performance of EBX® query cache has been improved to reuse parameters.
	See `Query.setParameter`[API] for more information.
Container Edition	The Container Edition image now includes Java JDK 21.
	See *Overview* for more information.
Supported databases	A new database is supported: **Microsoft Azure Database for PostgreSQL** (compatible with PostgreSQL 16 or higher).
	PostgreSQL 17 is now supported and PostgreSQL 12 is no longer supported. The minimum supported version of PostgreSQL is now 13.
	See *Supported databases* for more information.
New software delivery site	You can now download EBX® software from *https:// www.tibco.com/downloads*. If you have an existing

	eDelivery account, your existing credentials can be used to login to the new software delivery site.
Hierarchies	The `firstCallDisplay=view:hierarchyExpandedToSearch` web component parameter was added. This allows users to perform a search operation through a URL link, instead of merely expanding the hierarchy. See *firstCallDisplay* for more information.
Data services	The REST built-in 'select' operations were improved to return smaller responses on inheritance content using `includeOcculting` or `includeMetadata` query parameters. The `inheritedFieldMode` parameter is not available for read-only fields. See *Inheritance properties* for more information.
REST Toolkit	The *Exception handling* section was updated with the description for a custom exception mapper.
New options to avoid adding the `resume` parameter at the end of redirection URL	When a user logs in or out and a custom URL is provided, EBX® appends a `resume` query parameter. It is now possible to disable this behavior by using the following properties: • `ebx.security.loginPage.appendResumeUrl` • `ebx.security.exitPage.appendResumeUrl` • `ebx.security.exitErrorPage.appendResumeUrl` See *Security configuration* for more information.
Backward compatibility - Data validation	When a new child data space is created, the validation reports of the parent data space are no longer copied for the initial snapshot.
HTML input	*CKEditor* was the library in charge of the HTML inputs. For security and licensing reasons it has been replaced by a widget now based on the open source tool *TipTap*. As a consequence the look and feel has changed, some features have been moved or deleted, as listed below: *Look & feel* • Overall style has been reviewed • Editor size is not fixed anymore, it now adapts to its content. Limits can be customized with four new settings in the *administration "Ergonomics and layout"*: "Forms: minimum width of HTML editor", "Forms: maximum width of HTML editor", "Forms: minimum height

of HTML editor", and "Forms: maximum height of HTML editor".

- Editor height cannot exceed the workspace content height.
- A small typing assistance has been added, for example if user types "- foo", it transforms the text into an itemized list.

Toolbar

- Font size menu has been removed in favor of a heading menu in which user can choose between different heading level.
- A strike text style button has been added.
- The copy/cut/paste toolbar has been removed (keyboard shortcuts and contextual menus are still supported).
- Link toolbar has been removed, but links are still supported, it is now transparent for the user.

  It relies on the copy/paste, if the user pastes a link while selecting a text, the selection become a link. If the user did not have any selected texte, it creates a link with the text being the link value.
- A block quote text style button has been added.
- Text background and foreground color menus have been reviewed.
- The print and preview buttons have been removed.
- The maximize button has been removed.
- The image menu have been moved inline the editor content, it appears when the user clicks on an image.
- Toolbar cannot be expanded anymore, it has been reduced to a single line.

Technical architecture	EBX® failover architecture and repository folders sync has changed. See *Failover with hot-standby* for more information.
Known issues	See [6.1.5 Known issues](#) section.
Closed issues	See [6.1.5 Closed issues](#) section.

6.1.4

6.1.4 has been built on June 4, 2024. Overview of this service pack:

Backward compatibility - Association with inconsistent definition	If an association is not consistent in the context of a specific dataset then it is now considered as read-only from a permission perspective, instead of being hidden as in previous versions. That is, the association is read-only in the user interface and it is not possible to create, delete, attach, detach, or move an associated record. It is possible to modify an existing associated record.
	As a consequence of this change an exception is no longer raised in the existing API that computes the result of the association.
	See *Association*, `AssociationLink.getAssociationResult`^{API} and `AssociationLink.getTargetTable`^{API}.
Backward compatibility - Servlet 3.1 minimal version	The minimal compatibility for Servlet was upgraded to version 3.1 (Java EE 7) instead of 3.0. The `web.xml` deployment descriptor for EBX® web applications was modified to comply with *Servlet 3.1*.
Supported databases	**Backward compatibility** - SAP HANA as a back-end database engine for EBX® is discontinued as of this release; the inter-database migration provides a way to export the full content of a repository to another database.
	Oracle 21c (Innovative Release) is no longer supported; the required version for Oracle is now 19c or 23c.
	Microsoft SQL Server 2014 will come out of support in an upcoming release. We advise that you upgrade the database to a recent supported version.
	See *Supported databases* and *Inter-database migration* for more information.
Data validation	Exclude inherited fields from validation.
	You can now exclude inherited fields from data validation by setting the `osd:disableValidation` property to `true` on the corresponding fields.
	Disabling the validation of inherited fields is recommended when their validation is time-consuming or not relevant.
	See *Inherited fields* for more information.

Distributed Data Delivery (D3)	Primary cluster broadcast timeout, before rollback, is now configurable with the new `ebx.d3.master.cluster.broadcast.timeout` property key. See *Configuring primary, hub and replica nodes* for more information.
Closed issues	See 6.1.4 Closed issues section.

6.1.3

6.1.3 has been built on December 4, 2023. Overview of this service pack:

Backward compatibility - Permissions check on nodes used to define associations	Associations 'by foreign key' and associations 'over a link table' are now hidden if at least one of their defining nodes is confidential and hidden. See *Defining confidentiality* for more information.
Backward compatibility - Display policy	The Unicode CLDR has changed with JRE versions and impacts locale-sensitive formats such as integer or decimal. By default, EBX® uses the JRE's native format. However, you can configure this option. See *Supported application servers* for more information.
Backward compatibility - User authentication	The way EBX® handles user authentication and stores the authorization has changed: • The `ebx-authentication` servlet was added in this release. EBX® automatically redirects users to this servlet when login is required; this should be transparent from a user's perspective. This change might require your attention if you use a custom directory or a custom login page. • The authorization information is stored in a cookie. As a consequence, enabling cookies is now required to access EBX®. See *User authentication* for more information.
Built-in RESTful services	New business object operations using `data-bo` and `data-compact-bo` categories were added to *operation categories*. Additionally, the new business object categories: • Now support the *select*, *delete* and *OpenAPI* operations. • The *select* response in compact json format now supports the association fields. • Include new APIs added in CategoryURIBuilder^{API} to *build URIs* for business object categories. New *Dataset operations* for `data` and `data-compact` categories are available. Selector *Pagination* was enriched with three new links for first, previous, and last page navigation.
Stop words and synonyms	Stop words and synonyms lists can now be defined in the **Search** data model extension.

See *Synonyms and stop words* for more information.

Case sensitivity of uniqueness constraints	It is now possible to specify the case sensitivity used to check the uniqueness of string fields. By default, the case-sensitive option is applied. See *Uniqueness constraint* for more information.
Date, DateTime and Time	Indexing for the Date, DateTime, and Time data types has been enhanced to ensure more consistent filtering when there are changes in the server's time zone. Consequently, a delay might be experienced due to the rebuilding of the index when first accessing tables containing these data types.
Staging	• The role mail, localized label, and description are now staged. The relationships between roles are also now staged. **Note** 6.1.2 archives with roles can be imported to a 6.1.3 repository without fields or relationships. • Non-published views are now supported. • The documentation for staging was updated to include information on what add-on components can be staged and where to find those components.
EBX® Container Edition	The installer can now build: • an image with the legacy addons and • images for several architectures, not only for the current architecture. See *Building the image* for more information.
Data validation	A property was added to enable changing the behavior of child dataset validation. See *Validation mode of child datasets* for more information.
Dependency to dataset fields	It is now possible to define, in a constraint on table, a dependency to a dataset field (field not under a table). In the context of the incremental validation, this means that any updates performed on the dataset field will imply a full revalidation of the constraint. See DependenciesDefinitionContext. addDependencyToModify[API] and

	`DependenciesDefinitionContext.` `addDependencyToModify`^{API} for more information.
Java Runtime Environment	JRE 17 and 21 LTS are now supported. Support was removed for JRE 11, except for WebLogic 14c where JRE 11 currently remains supported. Please see the following installation note for more details on WebLogic support: *Installation note for WebLogic 14c*. If mail is configured using the `ebx.properties` file, the `ebx.mail.smtp.ssl.provider` and `ebx.mail.smtp.ssl.factory` properties are now ignored and can be removed. See *Supported application servers* and *Activating and configuring SMTP and emails* for more information.
Supported databases	PostgreSQL 11 is no longer supported. The minimum supported version of PostgreSQL is now 12. See *Supported databases* for more information.
Closed issues	See 6.1.3 Closed issues section.

6.1.2

6.1.2 has been built on September 8, 2023. Overview of this service pack:

Logs configuration	It is now possible to configure log messages using Apache Log4j™ 2, the `ebx.properties` main configuration file, or a combination of both mechanisms. See *Log configuration* for more information.
Backward compatibility - Linked Fields properties inheritance	Linked fields now inherit most of their properties from their target node. As a consequence of the properties and facets inheritance, adding a facet to a linked field is now obsolete; a warning message is thrown and the facet is ignored. Moreover, validation is always disabled for linked fields since the validation is done on the target node and the linked field only displays the value of its target node. See *Linked fields* for more information.
Query now considers programmatic access rules	When setting a session on a Query and executing it, the result now takes into account any programmatic access rules defined in the session. This is in addition to the scripted access rules that were already considered in previous versions.
Kubernetes platform support	EBX® Container Edition is now compatible with Red Hat® OpenShift®. We provides Helm chart samples that are available on GitHub. See *Kubernetes* for more information.
Java EE deployment - Deployment	The management of cookies becomes enabled by default.
Closed issues	See 6.1.2 Closed issues section.

6.1.1

6.1.1 has been built on July 10, 2023. Overview of this service pack:

EBX® SQL	The EBX® SQL API now includes a single parameter FK_AS_STRING built-in function. This avoids the problem of providing the wrong arguments to the 3-parameter version. In some cases, it will still be necessary to use the 3-parameter version. See *EBX® SQL functions* for more information.
REST exception handling	The *REST Toolkit exception JSON format* has been updated to match the exception JSON format of the *Built-in RESTful services* (same as in version 5).
Search on associations	Quick search now includes association fields. Additionally, the 'text search' operator is available for associations when performing an advanced search. The search is performed on each field used in the label of the associated records. To improve performance, exclude fields and associations from the quick search tool using the new property `osd:defaultView/hiddenInQuickSearch="true|false"`. See *Default view* for more information.
Complex search filters	Multiple search criteria can now be grouped by logical operator to create complex filters. The groups display in a tree view that utilizes a variety of features to streamline the construction of even the most complex filters. See *Create complex filters* for more information.
Staging	The following new *types of staging elements* were added: • Global permissions • Scheduled tasks • Workflow models The *automatic import of staging archives on startup* feature was also added. See *Staging* for more information.
Permission: Access rights configuration	The dataset permission configuration screen has been replaced by *a new grid configuration service* that allows users to configure and check all dataset permissions in a single screen.
Permission: Access to history and scripted permission rule	It is now possible to configure a list of authorized profiles to access a table's history when a scripted permission rule

	is set. See *Scripted permission rules on records and table history* for more information.
Backward compatibility – retrieving a value in an invalid context	The **ReadContext.get(SchemaNode)** `ReadContext.get`^{API} method behaved incorrectly in previous versions if the specified node didn't belong to the same table as the current record. Now, the consistency of the specified node is checked and an `IllegalArgumentException` is thrown if it does not belong to the same table as the current record.
Business objects	The business objects extension is now available in the DMA even if the TIBCO EBX® Match and Merge Add-on is not registered. See *Business objects*, `BusinessObjectModel`^{API} and `MainEntity`^{API} for more information.
Closed issues	See [6.1.1 Closed issues](#) section.

Java API

The Java API was improved on the following topics:

- `DataspaceValidationReport`

  A new interface has been added to represent the validation report of a dataspace. It gathers the validation reports of all datasets included in the dataspace according to the specified policy. It provides also several methods to exploit the validation result. See `DataspaceValidationReport`^{API} for more information.

- `AdaptationHome`

  Two new methods have been added to validate a dataspace.

  See `AdaptationHome.getValidationReport`^{API} and `AdaptationHome.getValidationReport`^{API} for more information.

  > **Note**
  >
  > All datasets in this dataspace will be validated according to the specified policy. The validation of the dataspace can therefore take a long time.

  A new method has been added to identify that a dataspace is used by the validation framework.

  See `AdaptationHome.isUsedByValidation`^{API}

- `DependenciesDefinitionContext`

  Five new methods have been added to specify a dependency for validation.

  See `DependenciesDefinitionContext.addDependencyToModify`^{API} , `DependenciesDefinitionContext.addDependencyToInsertAndDelete`^{API} , `DependenciesDefinitionContext.addDependencyToInsertDeleteAndModify`^{API} and `DependenciesDefinitionContext.addDependencyToInsertDeleteAndModifyInOtherInstance`^{API} for more information.

*Note: **6.1.0** has been built on March 22, 2023.*

Audit trail

The "Audit Trail" feature has been extended. Now it handles user access to comparison and validation services. The attribute "service-mode" is now logged in the specific case of the "User service" event. See *Audit trail* for more information

Tile views

You can now create a custom view that displays data using tiles. The tiles are arranged in a grid and can include the following information: title (required), subtitle, image, and description. For the title and description you can: select fields to automatically populate the values, manually specify the text that displays, or use a combination of both methods. Additionally, you can define sort and filter criteria that apply to the view. Toolbars can also be added. See *Tile views* for more information.

Team Up

Team Up features introduce new ways to collaborate and engage with your data. Business users can leave comments on records, rate records, and assign tags to records. Access to, and visibility of Team Up features is highly customizable. See *Collaborative features (Team Up)* and *Introduction to collaborative features (Team Up)* for more information.

Hierarchies

This release contains the following new hierarchy features and updated functionality:

- In addition to Enumeration, Boolean, and Date, supported enumerable data types now also include String and Integer. See [Hierarchy limitations](#) for information on limitations for these new dependencies.

- A Group By hierarchy view can now be created based on the columns contained in a single table; the columns set the hierarchy dimensions. Fields used for this type of hierarchy must be a foreign key or an enumerable type. See *Group by hierarchies* for more information.

- Level skipping is now available to generate views of ragged hierarchies where a member's parent skips one level. To enable ragged hierarchy display, the new property **Allow level skipping** is available under a hierarchy view configuration's **Advanced properties** group. Note that all foreign keys must be present in the target dimension table. See *Ragged hierarchies* for more information.

- Fields with a Date data type can now be defined as time-based hierarchy dimensions. When reaching the last screen while creating the hierarchy view, select the date field at the top of the screen and use the **Time dimension** menu to select how you want the dimension to display. See *Time-based hierarchy dimensions* for more information.

- The **Remove recursive root leaves** was reactivated in this release. In a recursive case, when a search filter is applied or if **Prune hierarchy** is enabled, this option prevents root leaves from displaying.

Record metadata

Record metadata is now automatically added to a table's structure. The metadata nodes allow you to retrieve the following information about a record: creator, creation time, last modifier, time of last modification, and Unique identifier (UUID). Since this metadata is now part of the data model, you can:

- Use the quick search feature to locate records using the metadata fields as part of the search criteria.
- Execute queries with the API using XPath or SQL.
- Define table views that include the metadata fields.

See *Record metadata*, `SchemaMetadataConstants`^{API} and `SchemaNode.getNodeChildren`^{API} for more information.

Staging

The new staging feature allows you to move elements in your EBX® repository from one environment to another. For example, you can stage configuration settings from a development environment to a testing environment. See *Staging* for more information.

Workflows

Several improvements were made to workflows:

Workflow Launcher	The Workflow Launcher built-in service was improved in the following ways: • When activating a workflow launcher you can now select and activate multiple tables at the same time. • The process to launch or view workflows that require a record selection was simplified. Now users can view and launch workflows from the toolbar that displays on rows in the table view. This prevents them from having to open a record, or use the **Actions** menu to locate a workflow before launching it. See *Workflow launcher in data* for additional information.
Workflow model editor improvements	• A pop-up is now displayed when unvalidated changes of the layout are not saved when creating a new step. • Customize the links arrangement, and more generally the steps disposition using new connectors. • A pop-up is now display when unvalidated changes of the layout are not saved. The following new automatic placement mode is available: vertical layout.
New built-in script tasks	• Update a record String value • Retrieve a record's field value (String) • Update a dataspace label • Update a workflow label
New API for Workflow Publication and Unpublication	• **Workflow Publisher API:** Introduces the `WorkflowPublisher` class for workflow preparation and publication. Retrieve an instance using `WorkflowEngine.getWorkflowPublisher()`. Refer to `WorkflowPublisher`[API] for more information. • **Workflow Unpublish API:** The `WorkflowEngine` now provides a method to unpublish a workflow process and manage its active instances. For detailed usage, see `WorkflowEngine`[API] for more information.

Perspectives

A new perspective mode is now available to set as the default when connecting to EBX®. Choose between the following two modes:

- **Favorite perspective**: apply the favorite perspective at connection. This is the default mode.
- **Last used perspective** (new for this release): apply the last visited perspective at connection.

See also *Perspective modes*.

Data modeling

Data modeling includes the following new features:

- Entity names
- Search strategies

Entity names

By default, an entity name is now automatically created for tables when no name is explicitly defined in the data model. Entity names allow you to directly reference tables in SQL requests and data service operations using unique names instead of their paths. This is accomplished by defining aliases for SQL requests and suffixes for WSDL operations. This new behavior can impact existing data models.

Note that this new behavior may trigger an error on data model compilation, as indicated in the Backward compatibility section.

Search strategies

The following search strategies are now available to define on String fields: Levenshtein, Soundex, Double Metaphone, and NGram strategy. Previously, these strategies were only available when the EBX® Information Search Add-on was deployed; in case a data model was already using them, not further action is required.

See *Advanced strategies for strings* for more information.

Data validation

When creating a constraint on table with a record level check, you can now specify a behavior depending on the record's creation status. It is now possible to use an indicator to know if current record is being created. The method `isRecordCreation()` returns `true` if the current record is being created. See `ValueContextForValidationOnRecord.isRecordCreation`^{API} for more information.

Request and query optimizations

Several features offer better performance. In particular:

- A request cache has been introduced that caches the transformation from requests to queries, when executing a `Request`. See *Request cache activation* for more information.
- `RequestResult` size related methods have a better performance if executed multiple times.
- Requests that are based on primary key values will be executed using a more optimized implementation of `RequestResult`.

Java API

The Java API was improved on the following topics:

Iterable `RequestResult`	`RequestResult` now extends `Iterable<Adaptation>` so it can be traversed using a simplified syntax. See `RequestResult`[API] for more information.
`Repository`	The new method `Repository.getDefaultWhenFullyInitialized()` blocks the calling thread until the repository is fully initialized and become able to handle: SOAP, REST Built-in, REST Toolkit requests and UI. See `Repository.getDefaultWhenFullyInitialized`[API] for more information.
`SchemaLocation`	Some methods have been added to `SchemaLocation` to retrieve the properties of packaged and embedded data models. See `SchemaLocation.isPublication`[API], `SchemaLocation.getPublicationName`[API], and `SchemaLocation.getPathInModule`[API] for more information.
`UICustomViewContext`	The new Java interface `UICustomViewContext` allows to get: • the recommended view for a given user; • the favorite view for a given user; • the currently applied view. See `UICustomViewContext`[API] for more information.
`ValidationReportItemSubject`	Two new methods have been added to `ValidationReportItemSubject` to check the subject type of a validation item. • See `ValidationReportItemSubject.isDatasetOrRecordSubject`[API] for more information. • See `ValidationReportItemSubject.isTableSubject`[API] for more information.

Data services

The following sections describe new features and improvements to data services:

• REST Toolkit APIs
• Built-in RESTful services

- [Built-in SOAP operations](#)

REST Toolkit APIs

The OpenAPI operations now extend the 'api' category to generation documents for REST Toolkit resources. See *OpenAPI* for more information.

Built-in RESTful services

The built-in RESTful services were improved in the following areas:

URL encoding	URL encoding has been improved for REST services. It now complies with the following URI specifications: *RFC-3986 with percent encoding (section 2.1)* . See <u>backward compatibility</u> for more information.
Record metadata	The select operation has been improved to return record metadata using the new `includeMetadata` parameter. The system metadata can now be used by the `filter` and `sort` parameters with the following metadata fields: creator, creation time, updater and update time. As a consequence the: • `includeMeta` is deprecated and replaced by the `includeMetamodel` parameter. • `includeTechnicals` parameter is deprecated and replaced by the `includeMetadata` parameter with the 'system' value. • `checkNotChangedSinceLastUpdateDate` parameter is deprecated and replaced by the `checkNotChangedSinceLastUpdateTime` parameter for the delete operation. Update and delete operations now support the *Optimistic locking* in JSON compact format with the same mechanism as the extended format. See data modeling <u>Record metadata</u>, *includeMetadata parameter*, *includeMetamodel parameter* and *checkNotChangedSinceLastUpdateTime parameter* for more information.
New mass update and delete operations	These operations can combine a *XPath predicate* expression and/or a published table view that can also contain an XPath expression. The update operation applies one or more changes to each record that matches. See *Insert operation* and *Delete operation* for more information.
Health REST built-in	New health category operation helps monitor the EBX® server. See *Health operations* for more information.
Lightweight JSON extended format	The selector URL of the multi-occurs enumeration field is moved under the field instead of each occurrence. This change lightens the JSON content for select operations.

Built-in SOAP operations

The built-in SOAP operations were improved in the following areas:

Record metadata	The select operation was improved to return record metadata using the new `includesMetadata` parameter. The system metadata can now be used by the predicate parameter with those fields: creator, creation time, updater and update time. As a consequence, the `includesTechnicalData` is deprecated and replaced by the `includesMetadata` parameter with the 'system' value.
	The update operation was improved to take all data content returned by the select operation even if fields are ignored. For example, it can take association values and record metadata, except `ebx-metadata/system/update_time` to ensure success of the *optimistic locking* feature.
	See *includesMetadata parameter*, *Update operation* and <u>Record metadata</u> for more information.

EBX® main configuration file

The main configuration file has been improved on the following topics:

Configuring SMTP without JNDI	Timeouts for sending an email are now configurable from main configuration file, when ignoring the Java Naming and Directory Interface (JNDI).
	See *Activating and configuring SMTP and emails* for more information.

EBX® Container Edition

The Container Edition was improved on the following topics:

Java SE Development Kit	The JDK has been upgraded to LTS version 17.
	See *Overview* for more information.
Configuring SMTP timeouts	Timeouts for sending an email are now configurable.
	See *Email connectivity* for more information.

Limitations for this release

Hierarchy limitations

On allowed dimension for new dependencies:

- Recursive list field is not allowed.
- List field is not allowed inside a Group List.
- List field is not allowed inside a Nested Column Dependency.
- Recursive behavior is not allowed inside a Nested Column Dependency.
- Date List field is not allowed as a Time Dimension field.

Query limitations

The performance of these features is not yet optimized:

- Navigation on paginated views (next/previous page) with sort on foreign key fields having a custom display pattern, if this pattern contains fields outside the primary key of the referenced table.
- Advanced search filtering on foreign key fields using string-based operations (e.g. starts-with, contains, matches, etc.).
- Navigation on paginated views (next/previous page) with sort on linked fields.

The following cases do not rely on Lucene indices. This has two consequences: first, performance is not optimized; second, Quick search behaves like a 'contains', rather than a full-text search:

- computed fields with non-local dependency;
- inherited fields;
- all fields in an inherited dataset;
- all fields in table history views.

More specific cases not benefiting from index optimization are described in the *following section*.

Value-labeling limitations

Search and sort using the value-labeling feature have a few limitations described in section *Value-labeling*.

Data validation limitations

- It is not possible to validate a dataset or a table within a Procedure.

Linked fields limitations

- Targeting a node which is an enumeration is not fully supported yet. Currently, only the raw value will be available for display and search, instead of the enumeration label. Until this limitation is removed, the workaround is to declare the same enumeration in the target node and in the linked field itself.

Version upgrade

In addition to the information provided in this release note, the chapter 6.1 Java API changes provides an exhaustive list of the new Java APIs published since the release of the 6.0 version.

Compilation and build environments

Your compilation and build environments must now use the following new development JAR libraries, instead of `ebx.jar`:

- `ebx-api.jar`, for the Java API of EBX®;

- `ebx-resources-api.jar`, for the Java API of third parties.

> **Note**
>
> Java types in `ebx.jar` are no longer obfuscated.

> **Note**
>
> At runtime, development JAR libraries should not be deployed, continue to only use the `ebx.jar` library.

Changes on supported environments

The chapter *Supported environments* has been updated to reflect the necessary upgrades detailed below.

Browser support	Please note that Microsoft Internet Explorer and the non-Chromium version of Microsoft Edge are not supported anymore.
JVM support	Required Java Runtime Environment: either JRE 17 or 21 LTS. Java 8 and 11 are no longer supported.
IBM support	WebSphere Application Server 9 is no longer supported. WebSphere Application Server Liberty, for Java EE 8 only, is supported.
Oracle support	Oracle 12c is no longer supported. Minimum supported version of Oracle is now 19c.
PostgreSQL support	PostgreSQL 10 and 11 are no longer supported. Minimum supported version of PostgreSQL is now 12.
Microsoft support	SQL Server 2012 SP4 is no longer supported. Minimum supported version of SQL Server is now 2014.

Migrating an existing EBX® 5 environment

To get a running EBX® 6 from an existing EBX® 5 environment, follow the *dedicated migration guide*.

Upgrading from an existing EBX® 6 environment

The Lucene library was upgraded from version 8.11.0 to 9.4.0. This upgrade includes modifications to the index format. As a result, the directory containing the indexes is automatically deleted during EBX® upgrade. This can cause a delay at the first access of each table for index rebuild. Some minor changes in search behavior might also occur.

> **Attention**
>
> The upgrade process is not reversible; once a repository is used with a newer version it cannot be downgraded.

The following are high-level steps to upgrade your repository. Please refer to the *Installation Guide* for more environment-specific deployment details. To upgrade your version of EBX®:

1. Shutdown and back up your repository, including the RDBMS and the `ebx.repository.directory` directory. This step is important as it is not possible to rollback a repository.

2. Replace all existing WAR and JAR files on your application server with those from the latest EBX® version. This should also be done for any installed EBX® add-ons. Beginning with EBX® version 6.1.3, you must also deploy the `ebx-authentication.war` file.

3. Start your server.

Removal of dataset creation options

In the **Create a dataset** service, the option to create a dataset from an *external data model* was removed. It is still possible to import a file in the data model assistant.

Backward compatibility

URL encoding	URL encoding has been improved for REST services and GUI. It now complies with the following URI specifications: *RFC-3986 with percent encoding (section 2.1)*. The percent encoding is used to encode path and query parameters values and keys of URL when they contain dataspace keys or primary keys which may have characters that would require encoding. For example, '&' in a query parameter value of a URL (like in `A&B` will be encoded as `A%26B`)
	Server configuration should be checked to support slash and backslash characters.
	See *Installation notes* for more information.
Entity names	In this release EBX® now automatically creates an entity name for the tables defined in a data model. The last step of the table's path is used as the default entity name. Since entity names must be unique in a data model, an error is now raised during compilation if the model contains tables with the same name. To prevent an error in this case, you must explicitly set the entity names.
	See *Entity mappings* and `SchemaNode.getTableEntityName`[API] for more information.
JSON extended format change	Selector URL has been moved for multi occurrence enumeration fields using the select operation. See Lightweight JSON extended format for more information.
REST Toolkit exception handling	The *REST Toolkit exception JSON format* has been modified and is no longer compatible with the format used on versions 6.0.x.
	See the overview of 6.1.1 for more information.
Decimal serialization in the REST Toolkit	The JSON serialization library was upgraded and the new version serializes a `java.util.BigDecimal` into a `JSON string` instead of a `JSON number`. A *custom serializer* can be used to override this behaviour.
Maximum number of clauses in a query	Due to the upgrade of the Lucene library, the method to compute the maximum number of clauses authorized in a query has changed. Previously, it was possible to have a very high number of clauses. Those queries now throw an exception. The condition is not easily met. If it happens, this is probably due the Levenshtein search strategy. This can be avoided by customizing the strategy to decrease its

	fuzziness. For instance, by adding an invariant prefix, or reduce the max edit distance.
Rolling log files	From 6.0.6 to 6.0.10 (included), the rolling files names have changed from `xxxx.log.yyyy-MM-dd` (or `xxxx.log.yyyy-MM-dd-i`) to `xxxx.MM-dd-yyyy.log` (or `xxxx.MM-dd-yyyy-i.log`). By default, the former format (`xxxx.log.yyyy-MM-dd` or `xxxx.log.yyyy-MM-dd-i`) is used. The rolling format can be specified in ebx.properties file by setting the property `ebx.log4j.appender.ebxFile.rollingFormat`. If this property is specified, the filenames will have the following format: `xxxxx.rollingFormat.log` and will not be append to the end of the filename with the extension. To configure same filename format than since 6.0.6, the value must be `%d{MM-dd-yyyy}-%i`. The property will accept both a date/time pattern compatible with *Java SimpleDateFormat* and/or a `%i` which represents an integer counter. The integer counter is used in conjunction of the backup threshold, and will increment to create new files when the current file size will reach the threshold.
	Since 6.0.6, the `ebx.log4j.appender.ebxFile.backup.Threshold` property defines the maximum size (in megabytes) of backup files for daily rollover and *not* the maximum number of backup files.

6.1.5 Known issues

Data Services

- **CP-26823** When the SOAP header input parameter value contains multiple CDATA content it can be truncated.

  This issue results from a third-party limitation and cannot be addressed in the current version of EBX®. We recommend upgrading to the latest version of EBX® that resolves the issue—version 6.2.0 or later. As a workaround, wrap any XML content in a <![CDATA[...]]> section.

User Interface

- **CP-24388** Tile views cannot be used as advanced selector of a combo box.

  If a tile view is specified as the advanced selector of a combo box, the 'Select' button is not displayed in the tile view cards.

6.1.5 Closed issues

Container Edition

CP-27241	**The jcommon.jar and jfreechart.jar should be downloaded while building the ECE docker image.**
CP-27829	**When invoking a URL using encoded backslash character, Tomcat server returns an HTTP 400 Bad Request error.**
CP-27833	**When the resources cache size is set to a value that is too small, a warning is logged at startup.**

Core Engine

CP-26676	**A `CompileException` occurs on Calcite dynamic code after executing a quick search on an association field.**
CP-26817	**An exception occurs when accessing the history content of a table that contains a FK with a filter referring to a computed value.**
CP-27176	**The `Trie.visitrange()` method doesn't work with ids that span more than 7 bytes.**
CP-27215	**The method `Adaptation.getOccurrencePrimaryKey()` does not return `null` when called on a dataset.**
CP-27266	**`IndexSearchers` used by active concurrent transactions were not properly retained.**
	This can cause the following kinds of errors: Index already closed, Cannot find index state at transaction, and Cannot fetch record at position.
CP-27313	**Dataspaces reopened after a server restart are not properly initialized.**
	This issue can prevent existing datasets from loading, which leads to them being recreated. This can cause a corrupted repository error on startup because the same dataset reference exists multiple times.
CP-27317	**Desynchronization between index and persistence can lead to a `MissingRecordException`.**
CP-27333	**Validation reports of existing datasets are not copied when creating a child dataspace.**
CP-27361	**Recovery for tables with versioning disabled did not free up previous index slots.**
	This ends up exhausting all slot availability and prevents the index from rebuilding after 8 attempts. The following exception appears in the logs: com.orchestranetworks.cce.lucene.index.LxiSevereException: Index: cannot be displayed in closed state. Caused by: com.onwbp.base.misc.EbxRuntimeException: cannot find any candidate slot for indexable (...) of content type=(...) in dataset (...) in dataspace (...)]@520e0618
CP-27400	**The index opened on an outdated transaction after a rollback or truncate operation.**
CP-27416	**Archive imports do not properly set the last transaction.**
	Any discrepancies can lead to errors when rebuilding indexes, or performing accesses or comparisons by transaction id.
CP-27432	**Purge of shared blocs can saturate the DBMS transaction log.**
	The purge might lead to deleting a large number of blocs from the database, overwhelming the database's transaction log. Intermediate commits must be introduced to make the process lighter for the underlying DBMS.
CP-27485	**Ensure all dataspaces to reopen are loaded in the cache before processing.**
CP-27547	**Performance issues can occur when displaying the list of scheduled tasks if the directory contains many users.**
CP-27563	**An association cannot be created that is based on a linked field that inherits from a foreign key field.**
CP-27566	**A `NullPointerException` can occur when rebuilding the index.**
CP-27580	**Index rebuild during a Procedure must not commit pending changes.**
	When an index rebuild happens during a Procedure, the pending changes of the running transactions are committed in the index with the last committed transaction id of the table. This can lead to discrepancies when:
	* The procedure that triggered the rebuild is eventually canceled; the canceled changes remain persisted in the index.
	* A concurrent access to the table before the Procedure is committed will see the pending changes in the index even though they are not accessible in the cache.

CP-27594	An **IndexSearcher** might be lost when it is refreshed in a Procedure with nested sub-Procedures.
	This can occur after committing a nested sub procedure.
CP-27599	The method **AssociationLink.getResult** throws an exception when called from an inconsistent dataspace.
CP-27628	The underlying IOError is not propagated when rebuilding the index.
CP-27651	A dataset header cannot be accessed if it was imported with the wrong transaction id.
CP-27669	An **EnumerableSortedNestedLoopRight** error occurs without collation.
CP-27881	The background deleter can flood **persistence.log** on the Windows platform.
CP-27682	A performance issue occurs when accessing a custom views dataset in the administration area.
CP-27986	Child dataspace creation retains an index searcher longer than is necessary.
	The index searcher for the last transaction of every loaded table of the parent dataspace is retained. This consumes more memory resources than necessary. With lower amounts of free memory, this can lead to an out of memory issue, or leaked file resources.
CP-27996	Transaction rollback retains an index searcher for the last transaction longer than necessary.
	The index searcher for the last transaction of every index is retained after rollback. This consumes more memory resources than necessary. With lower amounts of free memory, this can lead to an out of memory issue, or leaked file resources.
CP-27999	An **IndexSearcher** can lead to a memory leak.
	In some cases, IndexSearchers are not detached from LxiStateWithWriter.lastRefreshedInProcedure. This prevents them and the underlying index from being closed, leading to memory and mapped file resource leak.

Data Services

CP-24734	The built-in **prepareForCreation** operation aborts with a 500 error status code under certain conditions.
	This can occur when a primary key field type is xs:date, xs:time, or xs:dateTime.
CP-27372	When using the REST API's built-in OpenAPI to perform a 'select' operation in compact mode, the association fields are not included in the response.
CP-27420	REST Toolkit exception handling can abort and return an HTTP 500 error.
	If the Java REST service uses built-in exception handling and creates a method that does not declare the @Produces Java annotation with an "application/json" media type value, then an error from the service creates an HTTP 500 with the following message: 'No message body writer has been found for class'
CP-27611	There is no JSON body response with the built-in 'select' operation when the query parameter **includeMetadata** includes an incorrect value.
	This occurs even if the Accept HTTP header is defined with: "* {}/ *{}" or "application/json".
CP-27617	REST built-in 'select' operations on inheritance can have smaller responses with **includeOcculting** and **includeMetadata**.
CP-28026	The REST API's built-in delete operation does not check read-only access rule permission.

Data Validation

CP-27887	An **IllegalArgumentException** occurs during a repository purge due to missing validation dataspaces, which are referenced in the validation reports table.

Data Workflows

CP-26999	Random duplicate entry issues occur when publishing a workflow model.
	The index recovery process on a table with record versioning disabled may result in an inconsistent index and discrepancies between the index and the persistence. Recovery that normally happens after a forced shutdown or a procedure rollback must be disabled. As a consequence, the index will be rebuilt. When the rebuilding operation runs concurrently with the execution of a procedure, the running procedure is canceled. These limitations remain acceptable since disabling record versioning is an internal property that is only applied on a few technical tables.
CP-27755	The hierarchy view in workflows no longer displays.

Documentation

CP-27256   **The documentation does not contain the current failover with hot-standby recommendations.**

CP-27325   **The documentation is missing some SOAP operations and REST comparisons.**

The missing information includes select business objects, health operations, and generating custom service contracts.

Hierarchies

CP-20093   **The hierarchy-specific mode 'Display non-matching children' is not implemented.**

CP-26962   **Hierarchy dimension introspection can cause performance issues.**

CP-27261   **A `ClassCastException` occurs when closing a hierarchy record panel.**

When the hierarchy dimension consists of two consecutive recursive levels, an exception can occur when closing a record panel or using the Find action.

CP-27362   **Hierarchy performance issues can occur on child dataspaces.**

If a workflow creates a temporary dataspace when displaying a hierarchy, the Calcite request cache needs to be rebuilt each time. This can cause the performance issues.

CP-27489   **A `PrimaryKeyException` occurs when deleting a hierarchy member.**

In a ragged hierarchy, a `PrimaryKeyException` can occur after deleting a recursive member.

CP-27608   **Children of searched nodes should not be expanded.**

When the corresponding option is set, children of searched nodes should not be expanded.

CP-27966   **Hierarchy errors occur when using an incomplete ternary dependency.**

CP-28220   **A `StackOverflowException` can occur on Hierarchy cycle detection.**

In the case of recursive hierarchies or workflows with deep nesting, cycle detection may trigger the exception.

CP-28221   **The level filter is ignored on a target table that has an incomplete dependency on a ternary link table.**

When a dependency is defined through a ternary link table, and one or more of the foreign keys in the ternary table are missing (i.e., the dependency is incomplete), the *level filter on the target table is not applied* as expected.

Import/Export

CP-27625   **The hierarchy member label is encoded when exported to a CSV file.**

When a CSV is exported from a hierarchy member service, the character '&' is encoded, although it should not be.

Infrastructure

CP-17643   **The custom module log threshold is not used when an `ebxFile` appender is specified.**

The INFO threshold is used instead.

CP-18028   **The module log level is set to DEBUG when using the module log configuration syntax from previous versions.**

Staging

CP-27369   **The staging widget is blocked due to incorrect view label calculation.**

User Interface

CP-23150   **Displaying a table view throws a `PreconditionFailure` exception.**

CP-26839   **When a field has a custom widget, its default value cannot be cleared.**

CP-27232   **In a user service, an error is thrown when deleting a record in an association from another dataset.**

CP-27293   **The permission service can throw a `NullPointerException`.**

CP-27456   **Navigation is not handled correctly when cancelling a dataspace export.**

CP-27482   **Some UI pages might display an incomplete product version.**

CP-27562   **The session is not closed when clicking on the 'X' button.**

CP-27662	**The search criteria tree structure might get ignored.**
CP-27711	**When finishing a user task, the next page might not display.**
CP-27718	**After applying a filter, it is not possible to delete records where an association is used.**
CP-27721	**Access is denied at the end of a workflow execution.**
CP-27818	**The memory consumption of QSAObjects should be reduced.**
CP-27820	**Custom error messages are not displayed on the login page.**
CP-27859	**The HTML input should be changed to a JavaScript bundle extension.**
CP-28080	**The `ebx.servlet.useLocalUrl` property value is ignored on logout.**
CP-28135	**When selecting a `UITableFilter` in the UI, the wrong filter might be checked.**
CP-28170	**Compilation issues can occur when validating the ebx-views technical dataset.**

CP-28170

The ebx-views technical dataset contains the customs views defined in the repository. A constraint checks if the data model related to a view is valid and compiles it if it has not been yet used. However, if the data model defines relationships to other datasets, it may be incorrectly marked as invalid. This occurs since these datasets do not exist in the current compilation context, specifically the ebx-views dataspace.

CP-28236   **The redirect URL should be checked when closing a user service.**

6.1.4 Closed issues

Container Edition

CP-26805	**The docker-buildx version should always be set.**
CP-26984	**Legacy addon installation in batch mode aborts with the message 'does not exist'.**

Core Engine

CP-26542	**It is rare, but possible, that corruption can occur during an index rebuild.**
CP-26652	**Ensure the repository directory global lock can handle a misconfigured hostname.**
CP-26672	**`RtcTableRefUserInputFilter` does not correctly evaluate the `tableRef` programmatic label.**
CP-26699	**The index searcher is not always refreshed to the last committed state.**
	This can cause the loss of the last index searcher without notice, which can result in queries that return invalid results, such as missing records, and exceptions for deleted records in blocs.
CP-26709	**A `PathAccessException` error is thrown when revalidating a dataset which contains a linked field that targets a different dataset.**
CP-26780	**Performance for small, high frequency transactions is degraded.**
CP-26790	**After a server restart, the initial version of a reopened dataspace has no datasets.**
CP-26928	**`SortJoinTransposeRule` is continuously triggered due to incomplete Project collations, which leads to a `StackOverflowError`.**
CP-26931	**A `NullPointerDxception` occurs in `LxiUtils.rebuildLuceneIndex()`.**
CP-26936	**A deadlock is possible on `LvnTracker` when operating on the index tree structure.**
CP-27111	**Teamup's dataset is not deleted after disabling the related extension in the data model.**

Data Modeling

CP-26898	**Performance is slow when accessing the service to import a data model from a module.**
	This can occur if a lot data models are present in the modules registered in the application server.

Data Services

CP-26770	**When the SOAP header value exceeds a common size, the content is truncated.**
CP-27066	**The operation code is not handled correctly in history mode and is not returned in the response.**

Data Workflows

CP-26697	**The wrong arguments are used for a cached helper class with `CompilationCacheMode.OPTIMIZED_IMPROVED`.**
	Access to table "Completed workflows", click to sort field "Parent workflow" then clicking to sort "Publication label" field, an error occurs.

Distributed Data Delivery

CP-26896	**Broadcast aborts when the replica delivery snapshot is already closed.**

Infrastructure

CP-26560	**The scheduler task aborts if the repository has a shutdown using failover architecture.**

Staging

CP-26893	**An error occurs when staging a data model definition from a Windows server to a Linux server.**

Team Up

CP-26954 **A blank page is shown on the table when Teamup is enabled on an existing dataset.**

User Interface

CP-17294 **A display error occurs while accessing a perspective action on a user's favorited perspective when the scope is set to data.**

CP-26125 **The 'Access data' service default behaviour was changed and the option is missing.**

CP-26410 **The wrong perspective is requested in a user service that is nested in a workflow step and perspective.**

CP-26741 **Negative session durations should be handled.**

CP-26612 **The default login page encoding is incorrect when the JVM is not set to UTF-8.**

CP-26666 **User services are not displayed at 100% resolution.**

CP-26691 **Forced SSL mode returns HTTP in login page instead of HTTPS.**

CP-26761 **The application locking page is not displayed.**

CP-26766 **The method `setFirstCallDisplayHierarchyExpanded()` should not be ignored.**

CP-26889 **The 'User logged out' page is shown after a workflow finishes or is cancelled in the user service.**

CP-26911 **Pop-ups displaying records of hierarchical views don't close.**

CP-26950 **The login page should not redirect to HTTPS even if `ebx.servlet.http.useHttpsSettings` is set to true.**

In order to avoid confusion, a new `ebx.servlet.http.authentication.redirectToHttps` property should be added.

Users & Permissions

CP-26851 **The computation of table level service permission should be optimized.**

6.1.3 Closed issues

Container Edition

CP-26402	**An `IllegalArgumentException` occurs when mail is configured and timeout environment variables are not defined.**
	If mail is configured, the environment variables are required, but the documentation states they are optional: `-e "EBX_SMTP_CONNECTION_TIMEOUT=600000" -e "EBX_SMTP_TIMEOUT=600000" -e "EBX_SMTP_WRITE_TIMEOUT=600000"` is required.

Core Engine

CP-21651	**Tokens should be preserved before stemming while indexing stemmed languages.**
	For most languages, the value is stemmed before being indexed. The stemming modifies the value, and may truncate the last letters to index the 'root' of a word. This can lead to unexpected results when using the wildcard operator.
CP-25883	**Compilation errors can occur in data models after migrating an EBX 5 repository with replication unit declaration.**
CP-25997	**The EBX® scheduler contains validation errors in `validation.log`.**
	The following validation error messages display: `StgDeleteTemporaryFoldersTaskOnServer not found` and `Field 'User' is mandatory`.
CP-26040	**An exception is thrown when searching on the same table with two distinct search templates.**
CP-26057	**A `ClassCastException` occurs on a Request with an is-empty/is-not-empty predicate.**
CP-26064	**A `CtePlanCleaner` exception occurs during a TIBCO EBX Match and Merge Add-on SQL query.**
CP-26078	**The last index searcher is not alway refreshed if records are created and removed in the same transaction.**
CP-26112	**The `ValueFunction` resolution is not thread safe.**
CP-26315	**A `ClassCastException` occurs while using `Adaptation.lookupAdaptationByName()` with a history record.**
	When calling `Adaptation.lookupAdaptationByName()` on an history record, a `java.lang.ClassCastException: class com.orchestranetworks.cce.rm.XtbTableImpl` cannot be cast to class `com.orchestranetworks.cce.cache.table.CfTableCache` error occurs.
CP-26427	**An EBX instance can initialize indexes even if the folder containing the indexes is locked by another instance.**
CP-26452	**Messages sent during EBX shutdown are not present in the log files.**
	The log4j servlet is stopped very early in the EBX shutdown thread which results in a loss of all log messages sent during the shutdown.
CP-26482	**It is possible that blocks of records are committed with a transaction id higher than the table's last transaction.**

Data Modeling

CP-26373	**The last update time displayed in a dataset's persistence information is not correct.**

Data Services

CP-26001	**The OpenAPI UI is not found on the server.**
	When HTTPS protocol and/or reverse proxy mode are used, the UI for OpenAPI is not found.
CP-26010	**The REST API's built-in `select` operation can return the label or description in a different locale when the `ACCEPT-LANGUAGE` request header is undefined.**
CP-26042	**The OpenAPI UI is not found on the server.**
	When HTTPS protocol and/or reverse proxy mode are used, the UI for OpenAPI is not found.
CP-26169	**A path added through `UriBuilder` is not automatically encoded.**
CP-26170	**The `includeLabel` parameter's default value in `RequestDataBeanParams` is not set properly.**
	The bean is set with a boolean value instead of one of its allowed values: NO, YES, ALL.

CP-26171	Parameters for `ResponseContext` in `ContentHolderForJsonOutputImpl` were inverted.
CP-26181	**SOAP invocations in Postman are aborted.**
	When importing an EBX WSDL in Postman, a collection is created and any CRUD operations return a SOAP Fault with the following message: `java.lang.IllegalArgumentException`: Message does not contain data.

Data Validation

CP-26344	When submitting a form with errors, validation messages are not displayed in the same order as the fields in the data model.
	The order of the validation messages in the header is random after submitting the form with errors. The order must follow the one of the fields defined in the data model.

Data Workflows

CP-2385 [32175]	Searching for records with no error in the 'Active workflows' table does not return the correct result.
CP-26117	**The Workflow launchers view gets stuck in an infinite load loop.**

Hierarchies

CP-26096	The 'Open link record' service is missing on the record view when applying a hierarchy view that has an incomplete ternary join link dimension.
	When users apply a hierarchy view that has an incomplete ternary join link dimension, and open a record, the 'Open link record' service is missing.
CP-26109	**A fatal error occurs after modifying a record to be a recursive node on the hierarchy view.**
	When users apply a hierarchy view without enabling Detect cycle mode and modify a record to be a recursive node, a fatal error occurs.
CP-26110	**A fatal error occurs when modifying a hierarchy view with a space character in the label.**
CP-26140	**A hierarchy view with a multi-value date dimension cannot be created.**
	The multi-valued date is not displayed under the dimension on the hierarchy view creation page.

Infrastructure

CP-26389	A `BootException` occurs when SMTP is configured in SSL using Java 17.
	The full exception is as follows: `com.onwbp.boot.BootException: Unable to find provider class: com.sun.net.ssl.internal.ssl.Provider`.
CP-26495	**The Log4j2 SMTP appender is not being sent.**
	This results in emails configured to be sent when there is an error in the Kernel, or Workflow log files to not be sent.

Staging

CP-26557	The advanced option does not work properly when importing staging archives on startup.

User Interface

CP-21142	Display is inconsistent between the advanced search and creation filter view for some operators.
CP-23767	**The criterion with the 'present in' operator is displayed incorrectly when opening the saved filter in the advanced search.**
	When users open a saved filter under the 'Load' pane which contains the 'present in' operator, this criterion is displayed incorrectly.
CP-25659	**Dataset contents are not accessible when a dataset has a fatal error.**
	When this occurs, the contents are not accessible in a perspective and the perspective loads continuously. In this situation, the user assigned to the perspective receives no information about the problem.
CP-26089	**The `WizardType` enumeration cannot be accessed by EBX Add-ons..**
CP-26114	**A page opens and displays "Access denied" when closing a workflow launched using a workflow launcher.**

CP-26209	**When a saved filter is applied to a field using the 'is null' and 'equals' operators, it doesn't load correctly.**
CP-26291	**The password field is not cleared in the default login page after an authentication error.**
CP-26423	**In custom forms, the validation report is not updated when submitting the form.**
	When saving and re-displaying a record using a custom form, the messages on the fields might not be up-to-date.

Users & Permissions

CP-25331	**An error occurs when creating a record from an association element that has the related element set to hidden through permissions.**
CP-26075	**The 'Export CSV' option for active workflows is not visible for users without administrative privileges.**
CP-26141	**The log is not displayed in the `audit.log` file when accessing a dataset's 'Permission' table.**

6.1.2 Closed issues

Core Engine

CP-19208	**The `ebx.log4j.appender.ebxFile.backup.Threshold` property documentation should be updated.**
	The documentation specifies that `ebx.log4j.appender.ebxFile.backup.Threshold` defines the number of backup files kept. However, the property actually sets the size limit for log files.
CP-21633	**The behavior for a linked field targeting an enumeration node should be updated.**
	When a linked field targets an enumeration node, the expected behavior is that it is both displayed and searchable just like in the targeted table. Currently, the raw value is used instead of the enumeration label.
CP-22439	**`SQLChecker` should provide more context about errors.**
	To facilitate debugging in support cases, the stack trace should be added to the compilation report.
CP-23515	**`UIHttpManagerComponent` returns an incorrect result if there is a line break in the predicate.**
CP-25570	**Child table exclusions are ignored for cluster centers.**
CP-25588	**An error occurs when accessing the history of a table that defines a foreign key to a deleted dataset.**
CP-25697	**Search with the Name strategy and the Japanese language should be improved.**
	In some cases appropriate results are not returned for Kanji and Hiragana.
CP-25805	**The REST built-in select returns a 200 status code when using an incorrect filter function name.**
CP-25874	**There is a performance issue when searching on filtered recursive hierarchy.**
CP-25910	**A query with two nested subqueries where the innermost references the outermost table returns the wrong result or fails.**
CP-25935	**Query needs to apply the Session's programmatic access rules.**
CP-25943	**Under certain conditions, the committed state of an index can be lost.**
CP-25945	**On rollback, local transaction context is not rolled back if nothing has been modified in the repository.**
CP-25981	**A rollback can close the index reader for the previously committed transaction.**
CP-26036	**Indexation fails when the Name search strategy is used on long string values.**
CP-26061	**The shared state of the table revision and index are inconsistent.**
CP-26076	**The last index searcher is not alway refreshed if records are created and removed in the same transaction.**

Data Services

CP-25741	**The REST built-in select returns an HTTP status code of 400 with the message 'The predicate has no paths'.**
CP-25968	**A 500 HTTP status code is returned when the format is incorrect.**
	When users input the incorrect format for a field in the JSON body, the HTTP code 500 is returned.

Data Workflows

CP-25782	**The progress view does not show the correct state.**
	The progress view graph does not show the correct state of a workflow which has a sub-workflow invocation step.
CP-25996	**A `NullPointerException` occurs when trying to terminate a workflow.**

Documentation

| CP-26063 | **The download link included in the documentation for the `ibmjsse.jar` library is incorrect.** |

Hierarchies

| CP-23280 | **Expanding a recursive hierarchy with over 100 levels fails.** |

| CP-24211 | An error message displays when expanding a foreign key unset node on a ragged hierarchy. |
| CP-24958 | No hierarchy level filter is displayed if the level's table is in another dataset. |

Team Up

| CP-25808 | Team Up combo boxes for profiles are missing the built-in Administrator role. |

User Interface

CP-25593	Hidden tables do not display when trying to view them from an associated dataset.
CP-25795	A blank page displays when redirecting to another user service and an exit policy is defined.
CP-25832	In hierarchies, the 'Find' action does not scroll to the highlighted item.
CP-25834	Users can add a profile multiple times to the 'Profiles authorized to access history' field when a record permission rule is defined for the table.
CP-25836	Elements are not aligned correctly on a dataset's 'Team Up features configuration' page.
CP-25841	Text in the avatar is not centered correctly.
CP-25885	Permission is denied when quickly switching between tables.
	This issue occurs when a role is used and not when the user is a built-in administrator.
CP-25953	Infinite redirection occurs when defining a custom login URL.
CP-26041	The 'Share with' field is displayed incorrrectly on the view creation page when users go back to edit documentation.

Users & Permissions

| CP-24692 | An error occurs after a user with read-only access saves a value on the 'Table default confidentiality' group of the 'Extensions' tab. |
| CP-26077 | A memory issue occurs when data model import has record permissions configured. |

6.1.1 Closed issues

Cloud

CP-23527   **The node label does not display correctly in the hierarchy view of the tables under Data workflows.**

Container Edition

CP-25175   **The TIBCO EBX® Container Edition installer does not always build an AMD64 platform image.**

When running the installer on the ARM64 platform, the image produced is ARM64. The ZIP packaging must not include the AMD64 suffix.

Core Engine

CP-16736   **Fix search strategies to disable sort on irrelevant columns.**

It is not useful to provide sorting on columns, such as "Progress view", "Actions", or description values.

CP-16856   **Inter-database migration might fail when copying binary data.**

CP-18406   **Search results are not highlighted correctly when searching on multi-value fields under a group.**

CP-18408   **Keywords are not highlighted correctly on targeted searches.**

CP-18435   **A `StackOverflowError` is thrown while publishing a schema with mutual recursive primary keys.**

CP-18487   **The `Result.getHighlights()` API returns an empty `RecordHighlights` if the field is under a complex group.**

CP-18524   **Search results are not highlighted correctly when they meet the conditions specified in the Key field.**

CP-19033   **It should not be possible to delete records in the "Deleted dataspaces/snapshots" administration table.**

If this is done, it is no longer possible to delete the history of a deleted dataspace from the GUI.

CP-22630   **Highlighting a value that contains a tag throws an exception.**

CP-23388   **The case-insensitive 'contains-whole-word' filter is not working properly.**

An incorrect result is returned when applying a filtered view with the "contains whole word" filter when the word contains special characters.

CP-23400   **The results are not highlighted when searching a keyword ending with the "%" character on an enumeration field.**

CP-23928   **The error message that displays when importing an archive is unclear.**

CP-25314   **`LinkedField` properties do not display for non-administrative users.**

CP-25315   **An error occurs when converting a field type from Date to DateTime.**

CP-25336   **An error occurs when evaluating a computation rule containing a recursive formula.**

CP-25383   **The last record of a `CnyCanopyProducerCallable` is not processed.**

CP-25420   **A `NullPointerException` occurs when creating a child dataspace.**

CP-25460   **A deadlock occurs at startup due to the `ServiceKey` class initialization.**

CP-25505   **The `ProcedureContext.setTriggerActivation(false)` does not work as expected.**

When the procedure context is used to create another record in the same table (Child for a parent), the `setTriggerActivation(false)` method does not disable the trigger and the `handleBeforeCreate` method gets called for the child record.

CP-25640   **The buffer size management is not robust enough.**

It should have improved resizing methods, prevent negative size allocation, and add clear exceptions on borderline cases.

CP-25641   **`com.onwbp.adaptation.ReadContext.get(SchemaNode)` must check its input.**

The validity of the node should be checked upstream and an exception should be raised if required.

CP-25696   **Searching on Hiragana and Kanji character sets with the NGram search strategy doesn't return the expected records.**

CP-25762   **A `ClassCastException` is thrown on an XPath filter with parameters.**

Data Modeling

CP-21989 **A blank workspace is displayed when users access a validation rule that has a text search operator.**

When users access a validation rule that has a text search operator or run the 'Modify criteria' service on this rule, a blank workspace is shown.

Data Services

CP-22805 **A `StackOverflow` is thrown on large predicate expressions used for record selection.**

CP-25418 **When using the REST API, the built-in insert operation does not complete successfully if a value function field is present.**

CP-25797 **The REST API's built-in insert operation returns a 400 Bad request code if the body contains over 1000 records.**

Data Services -REST Toolkit

CP-25609 **The `swagger-ui.css` file is not found.**

When accessing the REST documentation, the Swagger UI is unusable.

Data Validation

CP-25650 **A `PathAccessException` is thrown from `TableRefFilter` when `ValueContext.getValue` is called with an absolute path.**

Documentation

CP-25491 **The documentation related to deleting an add-on module is incomplete.**

Steps are missing in the Deleting an add-on module section of the Deploying and registering TIBCO EBX® add-ons chapter.

Hierarchies

CP-17172 **Nodes are missing when applying a hierarchy view that has an incomplete ternary join link dimension.**

CP-21464 **The 'Labels' field is displayed incorrectly on the hierarchy creation screen.**

On the Hierarchy creation screen, only the Target table is displayed in the 'Labels' field.

CP-21607 **The incorrect label displays for nodes in the hierarchy view of the 'Activations' table.**

CP-21751 **[All browsers] The record is still selected after moving a record in a hierarchy view.**

CP-23604 **There is a performance issue on pruned recursive hierarchies when a level predicate is set.**

CP-24795 **A request performance issue occurs when a hierarchy is in pruned mode.**

CP-24964 **The Java enumeration label is not displayed when using it as a dimension in the hierarchy view.**

CP-25417 **There is a performance issue on recursive hierarchies for the Find action.**

CP-25456 **A performance issue occurs due to dimension introspection while displaying a hierarchy.**

Staging

CP-25921 **In the staging domain's 'Administration' category, there are two options not displayed in alphabetical order.**

User Interface

CP-1371 [36718] **The 'Find in Hierarchy' service does not work properly if a members cycle exists.**

CP-17443 **An error message is missing under the 'Main' tab after defining a custom layout.**

CP-24144 **The hierarchy view in the child dataset is displayed inconsistently when applying a quick search.**

CP-25262 **A blank page displays when redirecting to another user service.**

CP-25589 **The "User logged out" page is shown after a workflow finishes or is cancelled in the user service.**

This occurs after upgrading from 5.9 to 6.0.13, or to 6.1.0.

CP-25703 **There is an error on the custom form preview when displaying a field with an enumeration.**

This occurs when the following properties are displayed: a static enumeration set or enumeration values with undefined labels.

6.1.0 Closed issues

Container Edition

CP-24408   **A stopped EBX Container Edition container may fail when started again.**

Core engine

CP-18256   **Sorting a table with large volume on a foreign key is very long.**
Sorting a table with a large volume of data takes longer than expected.

CP-18919   **EBX logs are not deleted when the file size is zero.**

CP-20968   **The loading screen displays for a long time when applying the 'Apply last modifications' service.**
This occurs when the service is run on a child dataset that contains 100,000 records.

CP-21133   **The Jaro-Winkler strategy should not accept parameters.**

CP-23002   **A `NullPointerException` occurs when applying a Jaro-Winkler search for Assigned search strategies.**
The exception happens when executing a global search and the Assigned search strategies for a field is set to `Default search template` and uses the Jaro-Winkler strategy.

CP-23572   **The "present in" operator is not available on an enumeration field of the HTML data type.**

CP-24178   **`AdaptationHome.getTerminationDate()` does not return null on open dataspaces.**

CP-24189   **Clustering throws errors when relation matching and cluster field in complex data type.**
Clustering throws errors when using relationships in matching and the cluster field is in a complex data type.

CP-24199   **Datasets cannot be accessed during data model compilation.**

CP-24257   **A `NullPointerException` occurs when levels for logging categories are defined by a variable.**

CP-24290   **Error importing a perspective archive when a perspective has been duplicated.**
An error occurs when importing a an archive contain a perspective that was duplicated.

CP-24333   **The add-on license threads can block the server shutdown.**

CP-24345   **NullPointerException when exporting a record, table or dataset created in severe error.**
A `NullPointerException` occurs when exporting a record, table, or dataset that was created in a state of severe error.

CP-24346   **ClassCastException when calling SchemaFacetTableRef.getLinkedRecords() in a Widget**
A `ClassCastException` occurs when calling `SchemaFacetTableRef.getLinkedRecords()` in a widget.

CP-24379   **Repository purge operation fails at validation reports cleaning step.**
A repository purge operation fails at the validation report cleaning step.

CP-24405   **`UIDropDownList` on a foreign key does not display elements.**

CP-24449   **Migration to EBX 6 fails if the metadata references tables that don't actually exists.**
Migration to EBX 6 fails if the metadata references tables that don't actually exist.

CP-24579   **An error occurs when rebuilding indexes in a child dataspace.**

CP-24627   **Default value is set on existing records in history tables when adding a new column**
When adding a new column in a historized table its default value is added to the existing records in the history.

CP-24634   **Errors prevent access of table contents.**
This includes errors with messages like the following: `java.lang.IllegalStateException: CfOccurrence with ref (...,...) could not be fetched from table zza7[<tableName> of content type=VALUES in dataset <datasetName> in dataspace DataspaceName]: record have been deleted a transaction.`

CP-24657   **"java.lang.IllegalStateException: This index is read-only" error while updating a record.**
An `IllegalStateException` error can occur when updating a record.

CP-24706   **Editing Greatest Value set field to a greater value doesn't affect Auto-increment when creating a new record.**

CP-24733   **Sub queries are not correctly identified when preparing query parameters.**

CP-24763   **Missing `com.orchestranetworks.service.directory.EncryptPassword` class.**
The `com.orchestranetworks.service.directory.EncryptPassword` class mentioned in the main configuration file documentation is missing in the product package.

CP-24895   **Values from uncommitted transactions can corrupt table size estimation.**

CP-24917	**An error occurs when applying an advanced search on the following table: \<emphasis>Administration > Database mapping dataset > Tables\</emphasis>.**
CP-24944	**When extending `SchemaDocumentation`, displayed links are not clickable.**
CP-24997	**There is a missing search strategy for the default template.**
	An exception can be thrown when compiling a data model that contains a foreign key node with multiple search strategies defined.
CP-24999	**A `LockObtainFailedException: Lock held by this virtual machine` error occurs.**
	If something goes wrong while rebuilding an index, the `IndexWriter` used to perform the rebuild is not properly closed and the slot remains locked preventing it from being reused afterwards.
CP-25032	**Log failure can occur during index refresh at commit.**
	This can disrupt synchronization between the cached index and the table content after commit.
CP-25233	**A primary key violation occurs when replicating records with lists in a mass update.**
CP-25270	**A `LxiDuplicateKeyException` occurs when creating a record.**
CP-25405	**When the `XPxParametrizedLiteral` value is in an internal format, it can cause a `ClassCastException` to occur inside of `toXPathExpression`.**

Data modeling

CP-21255	**SqlChecker error with data models if they have circular dependencies, including one data model in error**
CP-22225	**Deprecated properties of table reference cannot be used**
	The data model does not compile, when declaring a table reference using the deprecated properties: `displayKey` or `labelPaths`.

Data services

CP-2130 [32243]	**REST built-in select does not return data from table that has multiple-occurrences group.**
	A REST request does not return data from the inner group when a multiple-occurrence group is nested within a multiple-occurrence group.
CP-17619	**Optional parameters in SOAP header do not work using default namespace without prefix.**
	When calling a SOAP operation, adding additional parameters in the header does not work when using the default namespace without prefix.
CP-20709	**ContentHolderForInput automatically removes object attributes named "content".**
	When a `ContentHolder` is used for data input, it automatically removes object attributes named "content" even if these attributes are parts of the data model.
CP-21814	**REST count operation on association field with `:count` syntax returns 404.**
CP-21830	**The documentation does not mention the limitation for procedure context with the REST built-in JSON compact format**
CP-24606	**Lineage WSDL configuration does not considered UI selected context.**
	The lineage WSDL configuration does take the selected UI context into account.
CP-24653	**The REST built-in transient operation should ignore association fields and value function nodes.**
CP-24664	**SOAP body validation error for select operation with some activated parameters.**
	When a select operation enables `exportCredentials` with a value of `true`, the XML body response is invalid.
CP-24673	**NPE when branch does not exists using SOAP operation.**
	When using a SOAP operation, a `NullPointerException` occurs if the defined branch does not exist.
CP-24722	**Association field must be ignored using REST builtin import/update operations.**
	When using the REST built-in import/update operations, ignore association fields.
CP-24962	**A `PathAccessException` occurs when importing XML.**
	The exception causes the import to fail when a record contains an empty group that comes directly after a list of groups.
CP-25013	**A REST built-in selector field must not be present for a read-only field.**

Data validation

CP-7461 [11075]	**Cannot enter a date with format like "dd/MMM/yyyy"**
	It is not possible to enter a date if the formatting policy specifies a 3-character format for the month.

CP-18807	**In a user service, an exception may be thrown on page redisplay.**
	The User Service API can be used to customize the form for creating a record. If a record contains a foreign key, an unexpected exception may be thrown, when the user service is redisplayed.
CP-21584	**In a `UserService`, the record form submission is not blocked when an error message is added in `ConstraintOnTableWithRecordLevelCheck#checkRecord`.**
CP-23502	**The record validation report is computed for each tab to be displayed in a record form**
	The header of a record's form displays the up-to-date validation report of the related record. Each tab of the form has its own header. As a consequence the validation report is computed as many times as the number of tabs to be displayed in the form. This can lead to performance issues if the table contains many constraints.
CP-24171	**`CalciteException` Table not found when validating a table with a table reference filter using a table reference node**
	An exception is thrown when a table reference filter uses a node that is a table reference to a table located in another dataset.
CP-24192	**`NullPointerException` in code generated by calcite for a table reference filter validation**
	A `NullPointerException` occurs in code generated by Calcite for a table reference filter validation.
CP-24336	**xs:pattern facet is not applied on the XML string representation of dates.**
	The xs:pattern facet checks the string representation of the Java Date object instead of the XML string representation.
CP-24483	**`NullPointerException` while updating the persisted validation report**
	A `NullPointerException` occurs while updating the persisted validation report.
CP-24526	**Slow performance when accessing the persisted validation report.**
	Performance is impacted when accessing the persisted validation report.
CP-24777	**An `IllegalStateException` occurs when accessing a validation dataspace after an aborted deletion of a functional dataset.**
CP-24904	**Validation of a table reference fails with a `ClassCastException`.**
	This is caused when `PvrActionForTableRef` generates a query plan with the wrong `FK_AS_STRING` parameters
CP-24923	**A `ClassCastException` occurs during the validation of a contextual table reference filter.**
CP-24933	**A contextual table reference filter with multi-valued fields returns incorrect results.**
CP-25019	**The result of `ValidationReportItemSubjectForTable.getRecords()` contains `null` values.**

Data views - hierarchies

CP-16830	**Hierarchy cycle detection does not work on a recursive ternary dependency.**
CP-17169	**Cannot execute the specific property "prune recursive orphan leaves".**
	The option to prune orphan leaves cannot be executed if there are recursive members without a parent.
CP-17204	**[All browsers] The node level icons and their text are not aligned in the hierarchy view creation screen.**
	The node level icons and text are not aligned in the hierarchy view creation screen.
CP-18439	**Search not found on a multi links hierarchy.**
	Search results are not found on a multi-link hierarchy.
CP-20401	**Some child nodes are duplicated in a hierarchy view.**
	When a hierarchy view is applied, some child node display twice.
CP-20448	**Level filter on enumerable does not work for hierarchy.**
	An incorrect result is shown when users create a hierarchy view and set a filter.
CP-21838	**The hierarchy 'expand all' is not anymore limited to 2000 displayed members.**
	Hierarchy expansion is no longer limited to displaying 2000 members.
CP-21840	**Find on a ternary recursive hierarchy fails.**
	The Find tool on a ternary recursive dimension hierarchy does not work properly.
CP-21882	**The 'Last' button is activated on the last page of a hierarchy view based on the Date/ enumeration field.**
	After navigating to the last page in a hierarchy that is based on a field with a data type of date or enumeration, the "move to last" navigation button is still active.
CP-21892	**member.isLooping() may lead to stackOverflow mostly in workflow.**
	Use of `member.isLooping()` might lead to a `StackOverflowError`, mostly in workflows.
CP-21900	**The child nodes of levels are not displayed fully when creating a hierarchy view.**
	When users create and apply a hierarchy view that has several levels, its child nodes are not displayed fully.

CP-22403	[All browsers] Number of selected records is displayed incorrectly on toolbar when users select/ unselect recursive record on hierarchy view multiple times.
	The number of selected records does not display correctly in a hierarch view toolbar when a recursive record is selected and deselected multiple times.
CP-22429	Nodes of a hierarchy view on a ternary with an ordering field model are switched after enabling pruned mode.
	The order of nodes is switched after enabling pruned mode on a ternary table hierarchy view.
CP-22483	In a hierarchical view, some records are displayed although they should be filtered out.
	Some records display in a hierarchical view when they should be filtered out.
CP-22881	Hierarchy branch selection does not work on ragged hierarchy.
	Hierarchy branch selection does not work on a ragged hierarchy.
CP-23010	An unexpected node is displayed on a hierarchy view.
	An unexpected node displays in hierarchy views and an error occurs if it is selected.
CP-24281	Reimplement the 'prune recursive orphan leaves' option.
	The <emphasis role="bold">Remove recursive root leaves</emphasis> option must be reimplemented.
CP-24443	'Enable/Disable pruned mode' is not properly set.
	The pruned mode options are not set properly.
CP-24558	Pagination does not work on an enumerable field.
CP-24646	Hidden records must not be used for hierarchy display.
CP-24675	The cycle member remains, in a ternary dependency hierarchy.
	In a ternary dependency hierarchy containing a cycle member, the cycle member remains alone after a search; it is not in a valid branch.
CP-24746	Hierarchy REST API orphan members are not properly managed.
	In the REST API, a hierarchy's orphan members are not managed properly.

Data workflows

CP-19283	Documentation in activation record is not updated when updating the label of a Launcher.
	A launcher activation label can be inherited from the label of its launcher or customized. If this label is inherited, it is not updated when the label of the launcher is modified and users might not realize this. No information or hint displays to inform users that they must save again to apply new values.
CP-22631	Fix "remove" icon in workflow diagram editor.
	The <emphasis role="bold">Remove</emphasis> icon in the workflow diagram editor does not display correctly.
CP-24148	No way to clear a profile field in a workflow step
	There is no way to clear a profile field in a workflow step.
CP-24578	Workfow complex objects should be expanded by default.
CP-24724	When dragging a link to another step and cancelling the confirmation, the link end spot changes.
CP-24769	The documentation for the Xpath parameter of the update a record field value script task is not correct.
CP-25239	Data context mapping in the model configuration should be open by default.

Dataspaces & History

CP-24934	A `NullPointerException` occurs during the dataspace compare action.

Documentation

CP-18443	Fix java sample in security documentation.
	The Java sample in the documentation on security best practices needs to be updated.
CP-25026	Incorrect Java EE platform for WebSphere AS 8.5 and 9.0 support
	The Java EE platform for WebSphere Application Server 8.5 and 9.0 support is incorrect.
CP-25092	The double quote usage for the Windows path in the Tomcat installation note is incorrect.

Infrastructure

CP-24586	All `handleRepositoryStartup` method should complete before opening access to EBX®.

Queries

CP-24291   **Field trimmer removes all fields from the input to a LogicalAggregate with COUNT().**

A `ClassCastException` occurs during the field trimming step.

CP-24319   **Result of RequestResult.getSize() might be incorrect and vary from call to call.**

The `RequestResult.getSize()` method might return an incorrect result and vary from call to call.

CP-24551   **Performance problem when setting request log level to DEBUG because of a slow RelNode to SQL translation.**

A performance issue occurs when setting the request log level to DEBUG.

CP-24608   **Although set as non confidential, hidden nodes cannot be used in a foreign key filter when under a complex node.**

CP-24631   **Sort by resource field (and pagination) when the Lucene index is not available throws an exception.**

CP-24677   **An SQL query throws a `CannotPlanException` due to `HepRelVertex` in the plan after the Hep phase.**

Team Up

CP-24911   **An error occurs when applying search with Team up fields on hierarchy view.**

User interface

CP-2041 [33485]   **Fields are unexpectly filled automatically while creating a record through an association.**

When creating a record through an association, fields in the creation form should be pre-filled, but not read-only.

CP-17509   **An error occurs when using a web component URL that selects a perspective and a branch.**

CP-19856   **The page for selecting backed-up user does not display in some cases**

A user selection page backup does not display when defining a custom login.

CP-20087   **[IE11] An alignment problem occurs between the text of button and its arrow.**

On the <emphasis role="bold">Import</emphasis> screen and <emphasis role="bold">Task Creation<emphasis> modal, the button text and arrow do not align horizontally.

CP-20157   **[All browsers] The toolbar overlaps the number of filters applied when searching on a table under data workflow.**

When users take a task and apply an advanced search, the toolbar overlaps the number of filters applied.

CP-21620   **[WCAG 2.0 - 4.1.2.][Accessibility] The 'Remove' and 'Checkbox' buttons should provide additional information when using the accessibility checker tools (NVDA).**

Additional information should include its role, state, and value related information such as the element removed and checked, and it's corresponding value.

CP-21684   **The tables under a group still display when the group is set to hidden.**

CP-21753   **[IE11] An alignment problem occurs in the Wait task creation screen of Workflow models.**

In the workflow model's <emphasis role="bold">Wait task</emphasis> creation screen, the "x" icon for the <emphasis role="bold">Hidden in progress view</emphasis> fields are not vertically aligned with the radio buttons <emphasis>Yes</emphasis> and <emphasis>No</emphasis>.

CP-22032   **A corresponding dataset is not selected when selecting the 'Data' column on the 'Export' dataspace screen.**

The dataset selection behavior does not work correctly on the <emphasis role="bold">Export</emphasis> dataspace screen.

CP-22041   **The URL computing documentation must mention the data lineage configuration when using a reverse proxy.**

When using a reverse proxy (particularly in https), it is necessary to configure the data lineage property. This should be mentioned in the URL computing configuration.

CP-22275   **Default values are lost if a custom widget is defined.**

In certain circumstances default values are lost when a custom widget is defined.

CP-22295   **[All browsers] The scrollbar is not displayed on 'Refresh all data models'.**

When invoking 'Refresh all data models', the scrollbar is not displayed in the pop-up.

CP-22703   **Increase advanced search pane height produces a bad display.**

Display issues occur in the hierarchical and tile views when re-sizing the advanced search pane.

CP-22970   **The default label is missing in the Workflow launcher records.**

CP-23788	**[All browsers] When applying an advanced search with the "present in" operator, the value of the drop-down list field is duplicated sometimes.**
	The value of the drop-down list field is duplicated when applying an advanced search with the "present in" operator.
CP-24131	**The highlighted bar is hidden in Data Model and Workflow sections.**
CP-24668	**A confirmation message is not displayed for a user service declared on a dataset in a perspective.**
CP-24771	**The bottom horizontal scroll bar doesn't display when loading tables in the UI.**
CP-25000	**Errors are not clickable.**
CP-25166	**When the label of a record is empty, the breadcrumb and its documentation pane should display a placeholder.**

Users & Permissions

CP-21226	**Exception when filtering on linked field if the FK is hidden.**
	An exception is thrown when filtering on a linked field if the foreign key is hidden.
CP-24489	**The dropdown to set the owner of perspectives is only showing profiles with the built-in administrator role.**