



UPDATE NOTES

2024.2

June 2024 (updated May 30, 2024)

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2024.2 Update Notes

These update notes outline the new, enhanced, and modified features introduced in this update. Take note that some changes necessitate action, so it is crucial to review these notes thoroughly. They complement the Stibo Systems Enterprise Platform (STEP) Online Help, which offers comprehensive details on both existing and new system functionality, providing detailed explanations and step-by-step instructions for use, as applicable.

Update highlights include the following:

- **Inbound Message Streaming:** The initial release of a new streaming component designed to enhance data ingestion efficiency is in ramp-up status. Leveraging Kafka, this solution harnesses genuine data streaming capabilities by processing individual messages in real time, facilitating faster data onboarding. This functionality is in a ramp-up phase, so not all customers will have access to it. (MDM Platform)
- **Configuration Management:** Building upon the work done in the last few updates, now configuration management includes enhanced support for administrators, aiding in predicting the impact and mitigating risks associated with STEP configuration updates before installing a change package. (MDM Platform)
- **Automated Asset Handling:** Optimized asset importer configurations for seamless management of externally maintained assets. Additionally, 2024.2 offers a robust pre-processor for enhanced data adaptability, offering increased flexibility and near real-time updates that minimize manual effort and accelerate business processes. (Product MDM)
- **Instrument Update:** New to Instrument is an enhanced product packaging experience offering comprehensive management of packaging hierarchies, providing visibility and control over product inclusion, pallet setup, and distribution optimization. Also available in this update are extended capabilities around maximizing the outcome of data enrichment within product data containers including reference handling and table filters—increasing the flexibility around accessing the data needed to review your composite and complex data structures. (Product MDM)
- **Loqate Cloud Address Verification Update:** The connector now uses Loqate’s latest cloud API, removing the risks associated with staying with legacy APIs and also leveraging Loqate’s new AI address parser, which provides an uplift in verification rates and performance. (Customer, Supplier, and Location MDM)
- **Product MDM Channels Support Multiple Markets:** Introducing Product MDM Onboarding Channels improvements to map market dimensions in STEP to markets in PDX so vendors can provide market-specific product data to retailers. (PDX Syndication)
- **XLS Export / Import of Products in Multiple Languages:** This solution addresses the growing demand for multilingual proficiency in managing the import and export of product data on a large scale. (PDX Syndication)

Additional highlights are included in supplemental materials such as update overview slide decks and update-specific videos. These resources are available, along with these update notes, in the Stibo Systems Service Portal and within the Customer and Partner Communities.

Stibo Systems consistently creates updates to align with the changing demands of the market and the preferences of our valued customers. Each update brings a multitude of benefits, incorporating enhancements inspired by user requests. This note-set summarizes a diverse array of new features, enhancements, and other changes -- those mentioned above and much more.

Update notes are accessible by clicking on the links below:

- [2024.2 Update Guide](#)
- [General Enhancements and Changes](#)
- [Instrument Developments](#)
- [Data Exchange Enhancements and Changes](#)
- [Platform and Software Support Changes](#)
- [Miscellaneous Bugfixes](#)

Note: Product Data Exchange (PDX) updates typically follow a different cadence than STEP updates. PDX-specific update notes and online help are available within the PDX solution. Once logged into the tool, click Help Center > Documentation using the left navigation panel. Documentation opens in a new tab.

Quarterly Updates

Updates are identified by the year and quarter in which they are introduced to customers. The first four digits (2024) indicate the year of the update. The last digit (2) indicates the calendar quarter. To learn more about update frequency, including target update times, and end-of-life baseline support dates, refer to the new STEP Update and End-of-Life Information topic in the System Update and Patch Notes documentation.

There are no regularly scheduled maintenance patches. However, there are times an ad-hoc maintenance patch must be made available to allow for system hotfixing. It is important that users read the documentation available for those updates. Action may be needed by on-premises customers to install the maintenance patches so that they can apply hotfixes, if / when applicable.

Update Guide

In addition to the individual update notes, upgrading customers should read the 2024.2 Update Guide. This guide provides information that existing customers need to know prior to upgrading. This includes actions required for deprecated components and unsupported functionality.

The Update Guide includes information about actions that existing customers need to take prior to updating to the latest version.

Important: Some functionality described within these notes is controlled via licenses and/or component installations and may not be available on your system.

Academy and Community Resources

Stibo Systems Communities

We strongly encourage all **customers** and **partners** to actively participate in their dedicated Stibo Systems' Communities, fostering collaboration with fellow users. These update notes and other update materials, including videos, are also available within each Community. Stay updated on upcoming events and much more by registering today.

Stibo Systems Academy

Maximize your investment in Stibo Systems Master Data Management (MDM) by taking Academy courses and completing our certification programs. The MDM Academy provides hands-on training opportunities for both customers and partners, aiming to enhance your understanding of Stibo Systems' MDM solutions. Comprehensive details regarding classes and programs can be found on our website: <https://www.stibosystems.com/services-support/mdm-academy>.

Installing STEP 2024.2

For SaaS environments, updates can be done in the SaaS Self-Service UI or (if not available) by raising a request with Stibo Systems Support. More information on the update process in the SaaS Self-Service UI can be found in the Upgrade Environment section in the in-built User Guide.

For on-premises customers, the baseline (and additional components) can be installed using these commands:

```
./spot --upgrade=step:2024.2
```

For on-prem systems, the SPOT `--upgrade` command should be used to find compatible components that can be added at the same time as the baseline patch (i.e., `--upgrade=a11`). Refer to the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services.

For customers that have custom add-on components and/or if Stibo Systems Support is deploying your system updates, submit an update request via the Stibo Systems Service Portal.

This document is intended for use by active Stibo Systems Enterprise Platform (STEP) users and partners and describes the above and other new functionality and improvements in greater detail. It does not serve as a replacement for the online help, which includes additional information on previously existing and new system functionality, as well as more detailed explanations and step-by-step instructions for use, when appropriate.

2024.2 Update Guide

Summary

Keeping your current system updated offers numerous benefits. And, remember: SaaS makes updates easy!

- Get the newest and most advanced STEP software to stay ahead of your competition.
- Harness new capabilities and enhancements to elevate the user experience, boost productivity, enhance efficiency, and address emerging security threats.
- Stay up-to-date with updates for enhanced security, supportability, compatibility with third-party applications, adherence to the latest industry standards, and more.
- Support new business initiatives, opening doors for expanding solution usage and maximizing business value.
- Benefit from improved system performance.

Customer action may be required. Before updating to 2024.2 from an older version, customers should be aware of certain system changes. The list that follows may not be comprehensive; however, along with the full update note-set, it provides a starting point for update evaluation.

For on-prem deployed systems, it is always recommended to use the latest version of SPOT (regardless of the current STEP version in use). If updating via the --upgrade command, using the latest SPOT version is required.

Details

Kafka Delivery improvement

The Kafka Delivery Method now supports multiple partitions. Messages delivered to Kafka are now distributed on partitions by the Kafka broker, when they previously were posted to the same partition, even when the message key was defined.

Change Package improvements

Change Package functionality now includes updates that make it easier to transfer configuration objects between systems in DTAP (Development, Testing, Acceptance and Production) environments. Now, the Impact Analysis information is displayed prominently, users can split elements out of a Web UI configuration for installation on a specific environment, and users can address issues more efficiently when sealing a change package. For details, refer to the Data Exchange Enhancements and Changes update note.

New Loqate Cloud endpoint

A new Cloud endpoint from the third-party address standardization service, Loqate, replaces the existing endpoint used by STEP's Loqate Cloud integration.

Important: On-premises customers must ensure that any network access rules are configured to allow access to the new Loqate Cloud endpoint.

Previously, network access to the Loqate Cloud endpoint was located at the domain: saas.loqate.com

Access to the new Cloud endpoint is acquired here:
api.addressy.com/Cleansing/International/Batch/v1.00/json4.ws

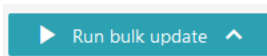
For more information, refer to the Customer MDM and Supplier MDM Enhancements update note and the Loqate Integration in STEP On-Premises Deployments topic in the Data Integration documentation.

Label changes in Machine Learning Matcher and Matching component model

There are label changes to the Machine Learning Matcher configuration dialog and the Matching component model. No customer action is required. For details, refer to the Customer MDM and Supplier MDM Enhancements update note and to the Matcher: Machine Learning Matcher and Configuring Matching Component Model topics, both in the Matching, Linking, and Merging documentation.

Updates to the appearance of buttons in Web UI

Modest changes to the appearance of buttons in the Web UI have been made as part of this update. To better align with the standards set forth in Requirements for Web Content Accessibility Guidelines 2.1, the level of contrast between the buttons and the label text on the buttons has been increased to aid readability. Buttons will now look like this:



The specific changes for this update include changing the button color to hex value #2ba1b1 and increasing the line weight on the button label text. These changes do not apply to the accent-muted color palette, which is already compliant with accessibility contrast requirements.

MIME type handling change when importing assets

A fix has been made where native file extensions for imported assets are now correctly converted and, where appropriate, retained as metadata. Previously, the default MIME type associated with the asset file extension could assign a file extension different than the one expected by the customer and / or convert the asset file incorrectly. For instance, a .csv file would be converted to a .txt file. Now, the asset files are converted correctly, and file extensions associated with imported assets are stored as metadata and can be searched.

Some users have configured a workaround to address this gap by adding the `DocumentContent.ExtensionToMimeType.STP=[MIME type]` property to the `sharedconfig.properties` file for each file type that is mis-converted on import. With this fix, the workarounds are no longer needed. The properties will still work as intended, but they can also be removed as the core issue has been corrected.

For more information on MIME types, refer to the MIME Types topic in the System Setup documentation.

New Page Size design mode parameter

This solution is described in the Miscellaneous Bugfixes update note; refer to ISSUE-700822.

Support, platform, and system admin information

Below is a table outlining the end-of-life schedule for the STEP updates shown:

Update	Update Available to Customers	EOL for systems not enrolled in continuous updates	EOL for systems enrolled in continuous updates
10.2	June 8, 2021	May 1, 2024	N/A
10.3	December 8, 2021	November 1, 2024	N/A
11.0	June 8, 2022	June 8, 2025	N/A
11.1	November 30, 2022	November 30, 2025	N/A
11.2	June 7, 2023	March 7, 2026	N/A
2023.3	September 27, 2023	September 30, 2024	N/A
2023.4	December 13, 2023	June 13, 2026	N/A
2024.1	March 27, 2024	March 31, 2025	September 30, 2024
2024.2	June 12, 2024	September 30, 2026	December 31, 2024

Refer to the updated STEP Update and End-of-Life Information topic in the System Update and Patch Notes section for more information about quarterly update target dates and support end dates for future updates. Additional Platform and Software Support information can be found in the Platform and Software Support Changes topic in the 2024.2 updates notes.

Customers should update as soon as possible to the latest version of the Stibo Systems Enterprise Platform (STEP). Contact Stibo Systems Support if you have questions and/or to receive help and guidance on how to update to a supported version.

Software errors reported for the versions shown above may be rejected after the listed effective dates. Application support issues in progress for the updates being desupported will be closed on the desupport date. It is not possible to extend the support services for desupported versions.

2024.3: New on-premises deployment architecture

One of Stibo Systems' strategic focuses is on delivering a superior SaaS service, which leads to changes in our overall architecture to introduce more and more containerized microservices. These changes cannot be deployed on-premises or in a private cloud without changes to the deployment architecture. As first published in the 2023.3 update notes, to allow on-premises customers to continue to update STEP, starting with the

2024.3 update (and not for STEP 2024.2, as originally communicated), these customers need to change the way that Stibo Systems' software is deployed on-premises so it is aligned with how Stibo Systems' deploys in SaaS. Updates to 2024.3 and subsequent updates will require a new deployment architecture where the current application server architecture is replaced by a containerized architecture—just as in SaaS. This in turn requires extra hardware due to an overhead in running the SaaS architecture on-premises. Application operations like starting and stopping the application will be similar in complexity to today—but different.

While the new architecture will be available with the 2024.3 update, on-premises customers are encouraged to update to 2024.4, when available and if possible, since it is supported for a longer time period (24 months) than the 12 months that 2024.3 is supported. Refer to the STEP Update and End-of-Life Information topic for more information about update target dates and support end dates for various versions of STEP.

The database deployment architecture will be exactly the same, so database administration along with backup / restore will remain the same. Any deployment of InDesign and Elasticsearch will also remain the same. Only the application server architecture is changed. On-premises and private cloud customers will receive more detailed documentation separately.

This notification is also included in its entirety in the Platform and Software Support Changes update note.

Online help / documentation changes

With every update, documentation updates occur. In addition to online help that is updated as part of the projects listed in this update note set, users should be aware of the following documentation updates when updating to 2024.2:

- Workbench images in documentation are being updated to show the restyled UI (from the 2024.1 update). This is an ongoing project that will continue over the next several updates.
- The STEP Update and End-of-Life Information has been updated to include 2024.2 information.
- The Environmental, Social and Governance (ESG) Data Management topics and the ESG Solution Enablement section have been renamed and reworked to use 'Sustainability Data Management' terminology to better reflect industry terms more familiar to customers. Refer to the Sustainability Solution Enablement section of the documentation to read the updated material.
- Documentation was updated to remove information about unsupported versions. For unsupported platform versions, this includes the removal of the update and maintenance patch notes, which are still accessible via the Stibo Systems Service Portal on the Update Information dashboard. Product MDM for Automotive 10.2 update and maintenance patch notes were also removed and can be provided upon request.
- Videos for 2024.2 have been incorporated into the update notes and online help. If these videos, or any other videos in the documentation, do not play as expected, they are also accessible within the Communities. Most videos are also available in the Stibo Systems Service Portal.
- The new Understanding the ECLASS Advanced Filtering XML Schema topic gives detailed explanation of the XML Schema Definition (XSD) file used for defining filters in the ECLASS Advanced filtering mechanism.

General Enhancements and Changes

Summary

The following enhancements and changes have been made as part of the 2024.2 update:

- Performance is improved by optimizing the speed of background process execution report generation. Performance is also improved for Business Rule Based Message Processor IEPs (both inbound and outbound integration endpoints) by transparently using a local, temporary zip file to process individual files.
- The STEP Workbench Launcher now supports using a proxy server that requires basic authentication. For more information, on the Start Page, select the 'Workbench Launchers' resource option, click the 'STEP Documentation' link to open the 'STEP Workbench Launcher Guide' and refer to the 'Proxy basic authentication' section.
- Functionality is aligned when exporting deleted values. Now, for both Cassandra and Oracle databases, OIEPs (outbound integration endpoints) similarly export deleted values for single-valued specification attributes with a validation base type of LOV, where the LOV is dimension dependent. This applies when there is inheritance from an ancestor and also when there is no inheritance.
- The Self-Service UI for Stibo Systems SaaS environments enhancements include:
 - The term 'upgrade' has been changed to 'update' which aligns with other changes made in STEP for the 2024.1 Update. The content / intent of the functionality is the same. This is only a naming change.
 - Accurate available update options are displayed when they are generally available for partners and customers.
 - For customers who use STEP server-side publishing through InDesign, the current InDesign server version is displayed throughout the UI, a message is displayed when a new compatible InDesign server version is available, and a warning is displayed when a STEP update requires a new InDesign server version.
- For Stibo Systems SaaS environments, the deployment of extensions through the STEP Remote System Administration API has been optimized to eliminate dependency conflicts between extensions. This improvement also removes significant overhead in the deployment process, which can result in a large reduction in the startup time of STEP on environments with multiple extensions configured.

These enhancements and changes have also been made as part of the 2024.2 update and are described in the Details section that follows:

- The 'One Queue' background process mechanism is improved to automatically consider both the available workers and available heap memory, which improves system stability.
- Automotive solution improvements include:

- **Value Editor dialog** for 'Application Condition Header - Individual' and 'Application Condition Header - Group' components now displays attributes / references in alphabetical order, improving usability for setting conditions.
- A new **Indirectly Referenced Chain** plugin in Part Number Suggestions component enhances suggestions by considering parts referenced by others sharing common part numbers with the selected part.
- Customers now have the ability to create and use **datasheets** through automation via a new Processing Engine for outbound integration endpoints (OIEPs) called 'Datasheet PDF Creation.'
- Users can now connect an external DAM (**DemoUp Cliplister**) to STEP via a new pre-processor, enabling many automation options when uploading assets into the external DAM.

Details

Improvements for 'One Queue' background process mechanism

'One Queue' is the recommended background process (BGP) mechanism which automatically defines the order that BGPs are handled based on creation time, configured priority, and available resources. Until now, the available number of workers on an environment determined how many BGPs would be allowed to run in parallel. In certain scenarios, this led to the BGPs requiring more heap memory than was available. The 'One Queue' mechanism now significantly improves system stability by evaluating the available heap memory to determine if new BGPs are allowed to start.

For more information, refer to the BG Processes Execution Management topic in the System Setup documentation.

Automotive solution improvements

Alphabetical sorting implemented for Application Condition attributes

An issue in the Value Editor dialog for the 'Application Condition Header - Individual' and 'Application Condition Header - Group' components has been addressed. Previously, the node picker within the Value Editor dialog did not display attributes / references in alphabetical order, causing difficulties in locating desired attributes / references. To enhance usability, alphabetical sorting for the attribute list in the Value Editor dialog has been implemented. This improvement enables users to easily find and select attributes / references when setting conditions.

New suggestions plugin for Part Number Suggestions component

A new part number suggestions plugin called 'Indirectly Referenced Chain' has been introduced for the Part Number Suggestions component, aimed at improving the suggestion capabilities for part numbers. The new plugin suggests part numbers that are referenced by other parts sharing common part numbers with the current selected part. It conducts a comprehensive search of multiple part numbers for suggestions by following the paths of parts and their associated part numbers forming reference links. This thereby offers multiple suggestions involving interconnected parts and part numbers. For more information, refer to the Configuring the Advanced Part Number Suggestions Component topic in the Solution Enablement: Product MDM for Automotive documentation.

New automated datasheet creation capability

Customers now have the ability to create and keep datasheets up to date through automation. Previously, managing datasheets was a manual process that required an individual to generate and maintain (as in creating, exporting, linking etc.) one or multiple datasheets on demand. When information changed, the datasheet became outdated, and an updated datasheet had to be manually generated. Now, there is a new Processing Engine for outbound integration endpoints (OIEPs) called 'Datasheet PDF Creation' that, when configured properly, will automatically create, link, and maintain datasheets for customers. This will save hours of manual tasks, and enable customers to be more efficient and effective in their daily work.

The Datasheet PDF Creation processing engine requires the enablement of the Print Publishing commercial license. Contact Stibo Systems to begin the process of enabling a license or licenses for your system.

For more information on configuring datasheets in an OIEP, refer to the OIEP - Configuration Section for Datasheet PDF Creation topic in the Data Exchange documentation.

For more information on print publishing, refer to the Print Publisher topic in the Publisher (Adobe InDesign Integration) documentation.

External DAM supports automation via asset import configurations

The external DAM integration between STEP and DemoUp Cliplister now provides users with robust options for asset management through automation. A new pre-processor allows administrators to set up an Asset Import configuration that, with the aid of an inbound integration endpoint (IIEP), enables the system to automatically process assets uploaded to DemoUp Cliplister. The automation available via the Asset Import configuration can direct the system to execute tasks like filtering out duplicate assets, uploading assets directly into a classification hierarchy, or linking assets directly to objects.

In the previous release, assets imported to the external DAM had to be linked manually to the desired products, which could be a time-intensive process. Now, by enabling a connection to the external DAM via an Asset Import configuration, users can bring assets into STEP and link them with the relevant products more efficiently.

For more information on configuring an external DAM integration with DemoUp Cliplister, refer to the Integration with DemoUp Cliplister DAM topic in the Data Integration documentation.

Instrument Developments

Summary

Instrument refinement continues with several new features. These additions are a testament to our commitment to improving the robustness of this user interface.

Details

Improved performance







Performance improvements for Instrument's landing page and the configuration tool have been implemented to provide a consistent and smooth experience. This enables users and administrators to seamlessly operate within Instrument without experiencing system interruptions.

Ability to import older configurations

Administrators can now import configurations from older versions of Instrument, which ensures backward compatibility of centralized configurations.

New target language column available for seeing translation statuses in bulk view

Administrators and users can now configure target language columns within the tables in both browse and task perspectives. These 'Languages' columns display a target language as the header and show the translation status by product. This functionality provides users with an overview of the translation status across many / all products, providing a quick way for them to identify any necessary actions to take.

<input type="checkbox"/>	Name	Workflow	Approval status	German translation status	Danish translation status
<input type="checkbox"/>	 1960 Fender Telecaster, Exceedingly Rare...	Translation	Partially approved	Not translated	Not translated
<input type="checkbox"/>	 1960 Rickenbacker 365 Capri	Translation	Partially approved	Not translated	Not translated
<input type="checkbox"/>	 1956 Gretsch Western Cowboy Amp	Translation	Partially approved	Up to date	Not translated
<input type="checkbox"/>	 1932 National Triolian	Translation	Approved in current context	In progress	Not translated
<input type="checkbox"/>	 1947 D'Angelico Tenor Archtop Guitar	Translation	Approved in current context	Not translated	Up to date
<input type="checkbox"/>	 11964 Epiphone Crestwood Deluxe	Translation	Partially approved	Re-translation needed	In progress

For more information on how to configure the language column for administrators (preset configurations) and users (customized configurations), refer to the Instrument documentation. The online help for Instrument is available via a separate documentation set that can be accessed from your system's Start Page, or directly using this URL: [your system URL]/help/doc/instrument/Content/Homepage.html

Bulk referencing available in list view

Users can now add reference targets to multiple objects in a single action. By multi-selecting objects in a list view on a Browse, Task, or Collections perspective, users can choose target reference objects via the node picker to assign to all selected objects. Previously, users would have to go through the full process of adding a reference for each product, Now, users can add a reference to up to 50 products in a single action.

Packaging Hierarchy information can now be viewed

A new Packaging Hierarchy tab has been added to the 'Details' view, allowing users to view all packaging objects related to the selected object, as well as everything within the packaging objects.

Expanded support for data containers

Support for data containers has been expanded to include support for references in the details view. Also, users can better manage data containers with filtering.

Customer, Supplier, and Location MDM Enhancements

The following enhancements to Customer, Supplier, and Location MDM functionality have been made as part of the 2024.2 update. These changes are outlined below and described in the Details section that follows:

Summary

- A new **Loqate Cloud endpoint**, which is faster and more efficient, replaces the endpoint that is currently used by STEP's Loqate Cloud integration.
- A few **labels** have been changed in the Machine Learning Matcher configuration dialog and the Matching component model to enhance clarity and make them more consistent.

Also, available with 2024.2 are new videos for AI Machine Learning Matchers and Matching Recommendations Through Machine Learning. These can be viewed via the online documentation.

Details

New Loqate Cloud endpoint

With this update, a new Cloud endpoint from the third-party address standardization service, Loqate, replaces the endpoint that is currently used by STEP's Loqate Cloud integration.

The new Loqate Cloud endpoint is enabled by default for those systems with the Address Validation Service commercial license enabled. All existing Loqate Cloud API license keys provide access to the new API. Any Loqate Cloud API calls will seamlessly be made through the new API upon taking the 2024.2 update.

The endpoint performs faster and more efficiently than the existing Loqate Cloud endpoint that it replaces.

For detailed information, refer to the 2024.2 Update Guide and to the Loqate Integration in STEP On-Premises Deployments topic in the Data Integration documentation.

Label changes in Machine Learning Matcher and Matching component model

Three labels have been changed within the Machine Learning Matcher configuration dialog and the Matching component model to enhance clarity and ensure coherence across configuration dialogs.

Changes in the Machine Learning Matcher configuration dialog:

- 'Model Version' has been renamed to 'Version'.
- 'Nickname CSV Asset' has been renamed to 'Person Name Alias Group CSV Asset'.

Changes in the Matching component model:

- 'Person Name Alias Group Asset Type' has been renamed to 'Person Name Alias Group CSV - Asset Object Type'.

These label changes do not affect the functionality of the system, and no action is required from users.

For detailed information, refer to the [Matcher: Machine Learning Matcher](#) topic and the [Configuring Matching Component Model](#) topic, both in the [Matching, Linking, and Merging](#) documentation.

Data Exchange Enhancements and Changes

Summary

The following enhancements to STEP's data exchange functionality have been made as part of the 2024.2 update. These changes are outlined below and described in the Details section that follows:

- A new **Kafka Streaming Receiver** option on IIEPs (inbound integration endpoints) allows integration with multiple partitions on Apache Kafka without the need for individual background processes. This new receiver provides near-real-time updates to STEP data from external systems, results in processing more data faster, and takes advantage of standard Kafka capabilities.
- **Change Package improvements** include better usability and visibility of the Impact Analysis data, which clarifies the expected result of installing a change package. Also, users can split elements out of a Web UI configuration when using VCSI (Version Control System Integration) and can handle unapproved objects more efficiently when sealing a change package. These updates make it easier to manage and work with change packages.
- Performance **improvements to GDSN Receiver** increase the number of messages that can be processed daily for SaaS systems.

Details

New Kafka Streaming Receiver

The new IIEP (inbound integration endpoint) 'Kafka Streaming Receiver' enables a STEP platform integrated with Apache Kafka to read messages from single or multiple partitioned Kafka topics without using individual background processes. The streaming receiver provides near-real-time updates to STEP data from external systems, results in processing more data faster, and takes advantage of standard Kafka capabilities. This receiver is designed for fast imports of small messages representing a single object and imposes a 1 MB maximum message size on a Kafka topic. Import information specific to the streaming process is included in new dedicated 'message-streaming' log files, and message counts over time are summarized on the Statistics tab. Additionally, the Error Handling Strategy parameter gives users the option to stop the IIEP when any error is encountered, ignore errors and continue processing, or send messages with errors to an Error Topic, along with error details in the message header, and continue processing.

Inbound Integration Endpoint Wizard
✕

1. Identify Endpoint
2. Choose Receiver
3. Configure Endpoint
4. Configure Pre-processor
5. Configure Processing Engine
6. Configure Post-processor
7. Schedule Endpoint
8. Error Handling & Reporting

Choose Receiver

Receiver Kafka Streaming Receiver

Consumer Group ID	doc-dev-KafkaStream
Bootstrap Server(s)	localhost:10092
Topic	my-topic
Error Handling Strategy	ErrorTopic
Error Topic	my-error-topic
<input type="checkbox"/> Use SSL	
Keystore Location	
Keystore Password	
Keystore PrivateKey Password	
Truststore Location	
Truststore Password	

Depending on the configured Kafka authentication requirements, each IIEP using the Kafka Streaming Receiver may require the configuration property `Kafka.StreamingReceiver.Dynamic.ExtraDriverOptions` to be defined ('Dynamic' must be replaced with a valid IIEP ID) before the IIEP can connect to the Bootstrap Server(s).

Back
Next
Finish
Cancel

Note: Kafka Streaming Receiver is in a ramp-up phase. To learn more about the ramp-up phase / status, refer to the License and Component Lifecycle in the License and Component Lifecycle.













For more information, refer to the Kafka Streaming Receiver topic in the Data Exchange documentation.

Change Package improvements

The following updates are included to improve the process of managing configurations across environments when working in DTAP (Development, Testing, Acceptance and Production) environments:

- The improved 'Impact Analysis' (previously called 'Impact Report') functionality clearly displays the expected result of installing items in a change package in a new 'Install Preview' column to minimize risk by providing transparency and predictability. The analysis uses a background process to perform a simulated import and displays results in the 'Primary Items' and 'Secondary Items' sections.

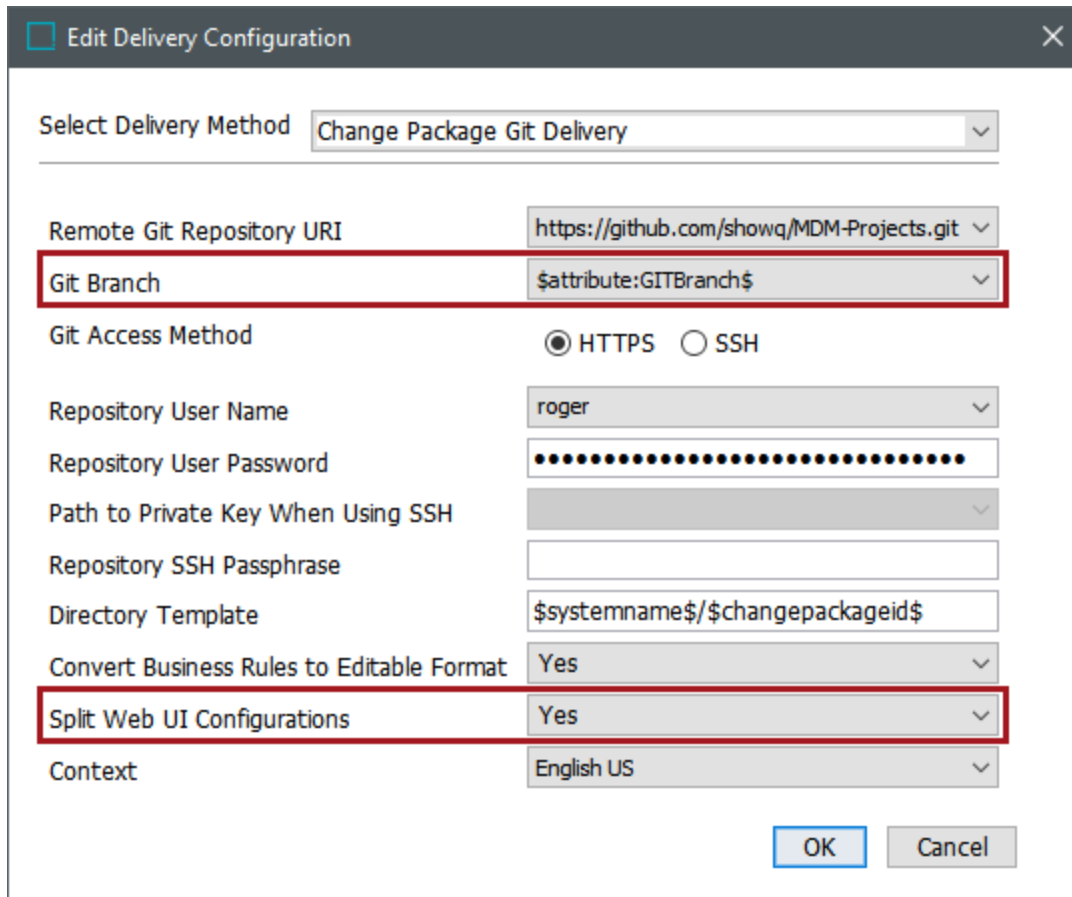
The existing 'Current' column has been renamed 'Before Install' to identify the state of items in the change package compared to the system. The 'Before Install' and 'Install Preview' columns display icons to signify the state of the object, including new, unchanged, changed, or manually updated. Icons also warn when an object cannot be imported.

▼ Primary Items (4)							
	Item	Before Install	Install Preview	Current	Included	Instruction	
	 Industry			3 minutes	2024-05-1...		
	 Merchandising			0 minutes	2024-05-1...		
	 Item Collection			3 minutes	2024-05-1...	CSVs for collections create...	
	 <u>DC Key</u>			3 minutes	2024-05-1...	Deactivate before installati...	

[Add Item](#) [Add Hierarchy](#)

- Using the Change Package Git Delivery method when moving Web UI objects between systems via change packages, the new 'Split Web UI Configurations' parameter allows users to work on individual screens for a Web UI and import those into other systems. This allows admins in Git to identify the screens that have changed and to select the screens that should be promoted based on the system purpose. For example, Web UI screens that are being developed can be withheld from test and production systems, while screens ready for test can be promoted individually. Previously, users were required to import a full Web UI and manually separate the needed Web UI elements in the STEPXML files.

Also in the Change Package Git Delivery method, templates can now be used to define the Git Branch. This provides higher flexibility when working with multiple Git branches by defining the target branch dynamically. For example, using a description attribute value on the change package eliminates needing multiple copies of change packages and/or OIEPs per branch.



Edit Delivery Configuration

Select Delivery Method:

Remote Git Repository URI:

Git Branch:

Git Access Method: HTTPS SSH

Repository User Name:

Repository User Password:

Path to Private Key When Using SSH:

Repository SSH Passphrase:

Directory Template:

Convert Business Rules to Editable Format:

Split Web UI Configurations:

Context:

- Sealing a change package now includes a dialog with links for the first 10 unapproved objects from the Tree which makes it easier to address the required approval process, and improves usability and efficiency. The count of other objects that require approval is also displayed on the 'Unapproved Items' dialog.

For more information, refer to the VCSI: Change Package Git Delivery Method in OIEP topic, the VCSI: STEPXML Joiner Pre-processor Options in IIEP topic, the Finalizing a Change Package topic, and the Analyzing and Installing Change Packages topic, all in the Configuration Management documentation.

GDSN Receiver performance improvements

Enhancements have been implemented to augment the performance of the GDSN Receiver, optimizing its processing of incoming files. This allows customers to better meet their daily load targets. Now, SaaS v2 systems can receive 50,000 CIN files daily.

To enable the GDSN Receiver solution, several configuration properties need to be set. There is also a new event processor (GDS_NodeDeleteQueue) that is installed automatically with the easy setup of GDSN Receiver that customers must enable. For details, refer to the GDSN Receiver Solution Enablement topic in the Solution Enablement: GDSN Receiver documentation. This issue is also covered in the Miscellaneous Bugfixes update note; refer to ISSUE-653092.

Platform and Software Support Changes

This section lists current and future planned changes to platform and software support. The complete list of platform and software support is available in the 2024.2 Platform and Software Support section of the System Update and Patch Notes documentation within online help.

The changes in platform and software support from version 2024.1 to 2024.2 are listed below. **Customer action may be required.**

Current Updates

Support has been added for:

- Red Hat Enterprise Linux and Oracle Linux 9.3

Support for the items listed below has ended:

- Adobe InDesign® 2022
- STEP 10.2 support ended May 1, 2024

Future Updates and End-of-Life (EOL) Notifications

The support for the items below will begin / end as indicated.

Server and client support

- Red Hat Enterprise Linux and Oracle Linux 7.9 will be supported for existing customers until officially desupported on June 30, 2024. Due to support ending so close to the availability of the 2024.2 update, 7.9 is not listed as being supported in the 2024.2 Platform and Software Support topic.
- macOS 12 (Monterey) support ends with the STEP 2024.4 update.

2024.3: New on-premises deployment architecture

One of Stibo Systems' strategic focuses is on delivering a superior SaaS service, which leads to changes in our overall architecture to introduce more and more containerized microservices. These changes cannot be deployed on-premises or in a private cloud without changes to the deployment architecture. As first published in the 2023.3 update notes, to allow on-premises customers to continue to update STEP, starting with the 2024.3 update (and not for STEP 2024.2, as originally communicated), these customers need to change the way that Stibo Systems' software is deployed on-premises so it is aligned with how Stibo Systems' deploys in SaaS. Updates to 2024.3 and subsequent updates will require a new deployment architecture where the current application server architecture is replaced by a containerized architecture—just as in SaaS. This in turn requires extra hardware due to an overhead in running the SaaS architecture on-premises. Application operations like starting and stopping the application will be similar in complexity to today—but different.

While the new architecture will be available with the 2024.3 update, on-premises customers are encouraged to update to 2024.4, when available and if possible, since it is supported for a longer time period (24 months) than the 12 months that 2024.3 is supported. Refer to the STEP Update and End-of-Life Information topic for more information about update target dates and support end dates for various versions of STEP.

The database deployment architecture will be exactly the same, so database administration along with backup / restore will remain the same. Any deployment of InDesign and Elasticsearch will also remain the same. Only the application server architecture is changed. On-premises and private cloud customers will receive more detailed documentation separately.

This notification is also included in its entirety in the 2024.2 Update Guide.

Baseline EOL

Below is a table outlining the end-of-life schedule for the STEP updates shown:

Update	Update Available to Customers	EOL for systems not enrolled in continuous updates	EOL for systems enrolled in continuous updates
10.3	December 8, 2021	November 1, 2024	N/A
11.0	June 8, 2022	June 8, 2025	N/A
11.1	November 30, 2022	November 30, 2025	N/A
11.2	June 7, 2023	March 7, 2026	N/A
2023.3	September 27, 2023	September 30, 2024	N/A
2023.4	December 13, 2023	June 13, 2026	N/A
2024.1	March 27, 2024	March 31, 2025	September 30, 2024
2024.2	June 12, 2024	September 30, 2026	December 31, 2024

Refer to the updated STEP Update and End-of-Life Information topic for more information about quarterly updates and support end dates.

Customers should update as soon as possible to the latest version of the Stibo Systems Enterprise Platform (STEP). Contact Stibo Systems Support if you have questions and/or to receive help and guidance on how to update to a supported version.

Software errors reported for the versions shown above may be rejected after the listed effective dates. Application support issues in progress for the updates being desupported will be closed on the desupport date. It is not possible to extend the support services for desupported versions.

Miscellaneous Bugfixes

Bugfixes included in the 2024.2 update are summarized in this update note.



BUGFIXES

■ System Setup is now included as a data source when exporting classifications

Data sources available on the Map Data step in Export Manager and OIEPs (outbound integration endpoints) now include System Setup when working with classifications. This allows exporting aspects of attributes linked to classifications.

■ Keyboard navigation now works when scrolling right on a Multi Edit screen with a Freeze pane active

Using the right arrow key to navigate on a Multi Edit screen when a pane is frozen now properly scrolls the page to the last column in the table.

■ Fix for address normalizer throwing an error in DEV

Fixed a `ClassCastException` occurring when the user is choosing the business function normalizer as an input parameter for address normalizer in a Matching Algorithm decision table. A hotfix is applicable to `partydatamatching-7.0.20` and `partydatamatching-7.0.19`.

■ Fix for CAx empty zip files

Now, ECLASS Advanced BMEcat 2005 exports will always create `GenericXML_0.xml` files instead of changing the name of the file suddenly. A solution is available to disable returning a fallback Generic BMEcat XML conversion if an ECLASS Advanced BMEcat 2005 export fails for any reason. To enable this property, contact Stibo Systems Support. A hotfix is applicable to `eclass-advanced-7.0.13`, `eclass-advanced-7.0.12`, and `eclass-advanced-7.0.11`.

■ Fix for Asynchronous Translation not working

Two asynchronous translation services using the same translation service (e.g., the File Exchange service) could conflict when cleaning up old, finished asynchronous translation jobs. A hotfix is applicable to `async-translation-7.0.29`, `async-translation-7.0.28`, and `async-translation-7.0.27`. A hotfix is also applicable to `external-async-kernel-7.0.23`, `external-async-kernel-7.0.22`, and `external-async-kernel-7.0.21`.

■ Fix for cannot approve products in production

Fixed a problem that could cause too many tombstones to be created in a Cassandra-based STEP installation for the transition log table. A hotfix is applicable to `inmemory-7.0.72`, `inmemory-7.0.71`, and `inmemory-7.0.70`.

■ **Fix for Elasticsearch not working in Web UI**

When starting a STEP server, GraphQL schema could be broken in cases where the 'external-dam-adapter-v2' component could not find the 'ExternalDamAdapter' plugin. It has been fixed now and the GraphQL schema will be generated correctly in cases where there is no 'ExternalDamAdapter' plugin available.

■ **Fix for ECLASS Advanced export having VALUE_IDREF instead of FVALUE tag**

Fixed putting an LOV name into VALUE_IDREF tag instead of FVALUE in case it has no ID. Fixed missing FNAME tags bug which occurred when a name was defined in a different language than selected in the export manager. A hotfix is applicable to eclass-advanced-7.0.13 and eclass-advanced-7.0.12.

■ **Fix for cannot export reference to Mongo**

Fixed both Legacy and 4.2+ MongoDB adapters, so that they can export Product to Classification Link References to MongoDB when the targeted Classification has the field 'Owns Product Links' set to 'Yes.'

The issue was that the code was made to exclude Product to Classification Link references that point to Classifications that Own Product Links. That caused discrepancy between XML export and MongoDB export. The problem affected both Legacy and 4.2+ adapters. A hotfix is applicable to mongodbadapter-7.0.67 and mongodbadapter-7.0.64.

■ **Fix for Asynchronous Translation export exporting XML with no content to translate**

STEP could generate XML files with no content to translate using Asynchronous Translation process. That has been fixed. The XML files with no content to translate using Asynchronous Translation process will not be generated. A hotfix is applicable to async-translation-7.0.29 and async-translation-7.0.26.

■ **Fix for handling of deleted all references in MongoDB Connector**

The code that checks which references should be removed from MongoDB fails to transform a Mongo Document object to a compatible Java object when a single value reference is deleted from an Entity. The code change now can handle the deletion of both single-value and multi-value references. There is also a hotfix available that is applicable to mongodbadapter-7.0-65 and mongodbadapter-7.0-67.

■ **Fix for inability to delete objects from Elasticsearch unless you do a rebuild of indexes**

After the fix, when Elasticsearch returns a document that no longer exists in STEP, an error in Web UI will not appear.

■ **Fix for Matching Agent Training - implement max daily scheduled run**

For Matching Agent Training, there is a solution for setting the logic around the maximum daily scheduled training on the matching agent. Contact Stibo Systems Support to implement this solution.

■ **Fix for fatal error that occurred while importing VCdb files with double hyphens in existing data**

The issue causing a fatal error when loading the VCdb table and importing the 05_VehicleConfigurations.xml file has been addressed. The error was a result of building the Engine Configurations' name, which starts with the value of whether the engine is an 'inline' engine (L) or a 'V' engine (V), followed by the number of cylinders. When the information was not present (like in electric vehicles), STEP used a hyphen to substitute the value. In electric vehicles, both pieces of data were empty, and a value of '--' was inserted.

This fix ensures that the system can now handle cases where there are double hyphens in the existing data, preventing the creation of an invalid XML file during delta calculation. This is now fixed. The suggestion to use an EN Dash (–) Unicode U+2013 instead of a hyphen has been implemented to prevent this issue from occurring in the future.

There is also a hotfix available for this solution applicable for automotive-7.0.45. The hotfix can be applied to a system with this recipe:

```
to:hotfix/711/issue-711281-HOTFIX-7473.spr
```

■ **Fix for case-sensitivity issue in AutoCare PIES import process**

The issue where the AutoCare PIES import process was rejecting values for attribute AC_PIES_EXPIPRC due to case mismatches, has been addressed.

There is also a hotfix available for this solution applicable for automotive-7.0.52. The hotfix can be applied to a system with this recipe:

```
to:hotfix/711/issue-711547-HOTFIX-7486.spr
```

■ **ISSUE-698598 - New aspect transformations for BMEcat exports**

Two new aspect transformations, known as 'BMEcat Language Dimension' and 'BMEcat Country Dimension' has been introduced in the Export Manager mappings. When this option is selected, the 'lang' attributes in the BMEcat output file will be populated with the value of the 'stibo_ISO-639-2' attribute for each dimension point, instead of the ID of the dimension point. However, if this attribute is either not set or does not exist, then the ID of the dimension point will be used, as was the case in 'Language Dimension' and 'Country Dimension' aspects.

There is a hotfix for this solution that is applicable to step-2023.4 and step-2024.1.

■ **ISSUE-587275 - Fix for error in 'Values for Attribute' - QA**

When running Cassandra, opening the 'Values for Attribute' flipper could cause an exception to be thrown. This has been fixed.

■ **ISSUE-596610 - Fix for Rich Text Editor testing miscounts the number of characters**

Fixed a problem occurring when line breaks were not counted in the Rich Text Editor popup on a Web UI Node Editor, which resulted in validation errors when trying to save the value with line breaks later on.

■ **ISSUE-606769 - Fix for REST API Version 1 does not work**

Fixed a problem when the GET requests from REST API V1 requests from SwaggerUI were throwing the unexpected error, triggered by the invalid value of the 'Accept' request header.

■ **ISSUE-628895 - Fix for Event Processor Name used in Matching Algorithm disappeared in the duplicate candidates listed entries**

Fixed a problem occurring when valid matching algorithms were not shown on the workbench Matching tab for a selected item in Confirmed Duplicates / Confirmed Non Duplicates flipper tables. Also, fixed a problem occurring where it was not possible to remove the confirmed duplicate / non duplicate relation from Matching tab for Linked Match Code matching algorithm, because no matching algorithms were shown in the corresponding cell.

■ **ISSUE-636839 - Fix for exception that cannot be caught using downloadAssetContent**

Now, it is possible to catch an exception thrown by downloadAssetContent Asset Download API in a JavaScript business rule, if the exception is wrapped in any other exception.

■ **ISSUE-645783 - Fix for errors in completing task (InDesign) after upgrade**

The STEP server is now able to retry writing a DTP document if an Optimistic Lock error occurs. The Optimistic Lock error may occur if several InDesign renderers are configured and more of the renderers are trying to write the DTP document to the same section at the same time. There is also a hotfix or hotfixes available that is applicable to step-11.1-mp2 through mp6 and step-2024.1.

■ **ISSUE-649057 - Fix for tooltip and wrap text should work on Name (SAP) / Name column attributes**

Fixed a problem with tooltip icons that did not display in Web UI Node Lists for the ID, Object Type, and Assignee table headers.

■ **ISSUE-649374 - Fix for NullPointerException: error tab reference**

The 'Orphan publication data' health check could not fix problems with actual pages. This has been fixed. Deletions from the workbench that include publication groups, publications, or publication sections will run in a background process. This avoids data inconsistencies caused by closing the deletion dialog while the deletion is running.

■ **ISSUE-650734 - Fix for Autopage - HTTP transport error: java.net.ConnectException/Failed DTP document upload to STEP Publication**

Print Publisher Server: Intermittent network issues could cause instability in the connection between STEP and the InDesign Sidecar. Improved the reliability of the connection by introducing an automatic retry in the connection mechanism.

■ **ISSUE-653410 - Fix for wrap text for EAN/UPC, Name (SAP) / Name, Bulk L5 code, and Object Type column attributes**

Fixed a wrapping text issue that presented when on a Node List in List View mode.

■ **ISSUE-654594 - Fix for finding names both with and without dimension dependencies**

The new health check plugin 'Invalid name' has been added. It can find and fix nodes with names that do not have the correct dimension dependencies according to the definition of the object type.

■ **ISSUE-661763 - Fix for 'Read Only' is not working in Web UI when Override Control Type is set to 'Typeahead' for LOV attributes**

Now, an Attribute Value component with a Typeahead Override Control Type on a Web UI Node Editor will be correctly made read only by business conditions.

■ **ISSUE-667346 - Fix for detailed error not showing in Translation Inbound failed BGPs**

Fixed a NullPointerException that was triggered by customer code.

■ **ISSUE-673054 - Fix for Advanced Search freeze window feature**

Clicking Freeze Panes causes the table cells to be re-rendered. When they get re-rendered, the code replaces the existing cell element with a new cell element. The problem is that when a column is resized it gets its new width as an inline-style, and when everything gets re-rendered, this width is not added to the new cell element. The fix will make sure that the cell will fill the column correctly after re-rendering (by getting the column width from the SheetDimensions).

■ **ISSUE-673294 - Fix for when there are high response times in the Web UI**

Now, all global representations from the Web UI Main screen are cached for 30 seconds (by default) to increase the performance of the Web UI Node List / Node editor component when retrieving the same information about global representations multiple times (depending on configured sub-components).

■ **ISSUE-675030 - Fix for Lock-free Schema Change**

In some cases, Lock-free Schema Change operations would get blocked, requiring a server restart for the operation to complete. This has been fixed. There is also a hotfix available that is applicable to step-2023.3 / mp1, step-2023.4 / mp1, and step-2024.1.

■ **ISSUE-675716 - Fix for when the Web UI product summary card thumbnail does not enlarge**

Fixed the displaying of TIFF thumbnail images in the Product Summary Card.

■ **ISSUE-678842 - Fix for datasheet creation fail**

Print Publisher: The InDesign sidecar could fail to restart, leaving the error 'The process cannot access the file because it is being used by another process' in the sidecar payload log. This error occurs when one or more InDesign renderers have failed to shutdown smoothly. Improvements have been made to the sidecar start up process to automatically shutdown any rogue InDesign renderers.

■ **ISSUE-680892 - Fix for imports do DC inserts instead of updates**

On very few systems, it has been observed that an import can occasionally create duplicated Data Container keys. It is unpredictable and has not been reproduced. This patch does not bring any functional changes, it only provides more information about processing of Data Containers during import.

■ **ISSUE-680923 - Fix for QA: Error Fetching Proof. Check the InDesign Server(s) are running**

When doing a proof / get PDF from a Web UI, it is now possible to generate the proof in the background and let the Web UI fetch the proof from the application server when the proof is ready instead of letting the Web UI wait for the proof on an open connection to the application server. This option must be used if the connection times out because it takes a long time to generate the proof. The option is selected in the Web UI designer configuration of the proof.

■ **ISSUE-681754 - Fix for missing classifications in BMEcat export**

Fixed the issue with missing classifications in BMEcat export when classification references are inherited to the exported product. There is a hotfix for this solution that is applicable to step-11.2-mp2, step-11.2-mp3, step-2023.4, and step-2023.4-mp1. There is an additional hotfix that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-682646 - Fix for subscreen does not refresh (correctly) when selecting an item on a main screen**

Fixed a problem occurring when selecting item details on a Node List screen in Web UI, where the packaging hierarchy was configured on a Details screen, did not show the details of such packaging hierarchy on other nodes but on a first one. This occurred if the Show Top Item on Load design mode parameter was configured on a parent node list.

■ **ISSUE-683358 - Fix for an error while to sending diagnostics logs**

Fixed the error which happened when sending the diagnostics when STEP is running on two nodes and when SAML SSO is enabled for the admin portal.

■ **ISSUE-683794 - Fix for purging event processor taking hours**

Some problems related to the Revision Management Processing Plugin has been fixed. These problems were both related poor error messages given to the user when not being able to purge revisions for a node.

If you cannot delete any revisions due to there being events for them, you will get the error message 'Revisions cannot be purged, because they are used in the following Event Queues: <queue ID>.' However, if the event queue is linked to an event processor, the queue itself will be hidden in the UI and have an ID like 'stibo.222' - which is not helpful to the end users.

In some cases you would get the above message event if it was not an event stopping events from being deleted but rather because of 'branch points.' In this case the message has been changed to 'Revisions cannot be purged, because they are used as branch points.'

It would also be possible to get the above error message in some situations when there was nothing to delete. This has also been fixed to not throw an error.

There is also a hotfix available that is applicable to step-10.3-mp4 / mp5 and step-2024.1.

■ **ISSUE-683841 - Fix for Configuration tab in admin portal not having all information**

Improved Admin Portal logging.

Made change so that the Admin Portal uses a configurable property to change a default timeout of the requests between servers in a cluster.

Fixed NullPointerException when running ./spot --prop=* and there are undocumented properties in STEP, and added better logging in that case. There is also a hotfix available for this solution that is applicable to step-2023.4.

■ **ISSUE-684591 - Fix for an error with the configurations import to a lower environment**

Fixed a NullPointerException when importing a configuration for non-existing Outbound Integration Endpoint.

■ **ISSUE-685240 - Fix for efficient query to identify all assets IDs that are stored in the Oracle DB (vs the EFS)**

Performance improvement was made related to the method of counting nodes recursively in a hierarchy. This is, for example, used in asset migration.

■ **ISSUE-686018 - Fix for initial Revision Date/Time is replaced with Current Date/Time during item approval**

The ordering of revisions was sometimes incorrect, which could produce problems for certain operations: approve, revive, purge, getTailRevision (API handle), and others. This has been fixed.

■ **ISSUE-686218 - Fix for outbounds failing due to issues at InDesign server**

It is now possible to define a property which specifies an extra port for the InDesign server. The port is used by the sidecar to monitor the InDesign server. There is also a hotfix available that is applicable to step-11.2-mp2 / mp3.

■ **ISSUE-686370 - Fix for Advanced Merge results in empty data container entries**

Fixed issue with storing a data container instance values for data container instances created by survivorship rules when data container type has manual changes from the Advanced Merge Screen before merging.

■ **ISSUE-688655 - Fix for Search Results Screen misc improvements**

Added missing text 'No existing records' for View Modes: Gallery view, Film Strip view, Grid view on a PowerSearch screen in Web UI, when no records were found.

■ **ISSUE-689512 - Fix for the Web UI Global Navigation search configuration / Below search not working for attributes**

Fixed a problem when Web UI Global Navigation Search parameters Below Search with multiple root nodes configured was treating nodes as 'AND' searches, which means that a search was performed for a result which belongs to all below root nodes. Now, it is changed to correct behavior, namely, a search is performed under each of Below search root nodes.

■ **ISSUE-689792 - Fix for failed background process**

Now, the Inbound Integration Endpoints with pre-processor will not preprocess the already processed file a second time if the background process has failed and user resumed it. Instead, an already preprocessed file will be processed by import engine. Also, fixed problem occurring when resuming the failed BGP caused the input file to be deleted, so if a BGP fails again, it cannot be resumed anymore.

■ **ISSUE-689811 - Fix for ETIM sorting in Web UI**

■ **ISSUE-689961 - Fix for ORA-00001 exception in business rule**

Fixed a problem on an Oracle-based STEP installation occurring when clearing and setting the same value on a reference multiple times in the same transaction.

■ **ISSUE-690722 - Fix for Matching tab no longer showing the matching algorithm used for Confirmed Duplicates and Confirmed Non Duplicates.**

Fixed a problem occurring when valid matching algorithms were not shown on the workbench Matching tab for a selected item in Confirmed Duplicates / Confirmed Non Duplicates flipper tables.

■ **ISSUE-691002 - Fix for submit from 'Grid Action' in the Node List does not work as expected when 'Show Submit Dialog' is turned off**

Fixed submitting from Grid Action in Web UI if 'Show Submit Dialog' is disabled.

■ **ISSUE-691238 - Fix for when editing metadata on inherited references, the inherited reference is changed instead of a local reference is created**

Now, it should not be possible to edit an inherited reference metadata on the Web UI Node Editor screen via the 'References' component.

■ **ISSUE-691927 - Fix for TecDoc importer creating excessive linkages**

The issue where the TecDoc importer was generating an excessive number of linkages has been addressed.

There is also a hotfix available for this solution applicable for automotive-7.0.45. The hotfix can be applied to a system with this recipe:

```
to:hotfix/697/issue-697397-HOTFIX-7293.spr
```

■ **ISSUE-692186 - Additional logging for forgot password: password reset poisoning vulnerability**

Added the possibility to disable password recovery functionality. There is also a hotfix available that is applicable to step-11.2-mp2 / mp3, and step-2023.4 / mp1.

■ **ISSUE-692245 - Fix for production web server occasionally down**

Fixed a potential native memory leak.

■ **ISSUE-692476 - Fix for a file upload widget: no notification in BGP panel**

Fixed a minor Web UI setback causing BGPs related to IIEPs to not be shown in the widget showing notifications for BGPs.

■ **ISSUE-692488 - Fix for BMEcat exports unable to export language dependent attributes**

An XML file exported using 'BMEcat 2005' format in STEP could return wrong attribute values. This problem may occur when the exported attribute value was different from a single qualified value. This could happen in case an attribute value was inherited from a parent dimension point. This has been fixed. The exported XML file will contain a single qualified value instead.

■ **ISSUE-692697 - Fix for Empty Recycle bin running long and then fails on entities**

A Cassandra-specific fix was made for a problem where users received a 'SnapshotTooOldException' message when emptying the recycle bin when there were many nodes in the recycle bin.

■ **ISSUE-693430 - Fix for when origin 'null' has been blocked by the CORS policy**

Fixed a problem when REST API V2 requests are blocked by CORS policy when they are sent from JavaScript code.

■ **ISSUE-693590 - Fix for Azure Blob storage publisher failing on business action**

Fixed a problem when having a misconfigured BR Event Processor in STEP caused an asset publisher to fail when validating the usage of configured attributes.

■ **ISSUE-693618 - Fix for when 'Follow Single Reference' component destroys screen**

Fixed adding 'Follow Single Reference' component. Now, child components of this component must be added separately while editing this component.

■ **ISSUE-693637 - Fix for unexpected behavior of Web UI components after upgrade**

Fixed a problem occurring when a cursor stayed on a new empty Multi Value field after clicking on another input in a Web UI Node Editor after filling up the last Multi Value sub-field.

■ **ISSUE-693983 - Fix for reference target of a parent gets deleted while changing the (inherited) reference target of a child object**

Fixed a problem where it was not possible to create a local reference via the Table Header References component on a Web UI Node List.

■ **ISSUE-694088 - Fix for the Bulk Import Widget**

Fixed displaying of attributes mapped in many different columns for the Bulk Import Widget. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-694327 - Fix for multivalue features in ECLASS (BMEcat 2005) are not exported properly**

Fixed the issue with Multivalue Features in ECLASS (BMEcat 2005). The multivalues were not split correctly when the 'Attributes Inherited from Classification' mapping feature was used.

■ **ISSUE-694538 - Fix for when the Web UI rich text editor does not copy tags**

Fixed a problem when an attribute value with <hyperlink target=...> could not be copied and pasted on the Web UI node editor, when there was no tag 'hyperlink target' in STEP and the validator failed with unexpected error.

■ **ISSUE-695337 - Fix for duplicate MIME content in BMEcat 2005**

Fixed duplicated mime type in BMEcat 2005 export when inherited reference is overridden.

■ **ISSUE-695670 - Fix for 'Error Export' CSV Outbound Integration End Point**

Fixed a problem when empty reference metadata was not exported in CSV format, even with Output empty values option enabled.

■ **ISSUE-695762 - Fix for Feature Mapping is not working in BMEcat 2005**

Fixed the BMEcat 2005 format export problem: it is possible to map the attribute metadata but the mapped data was not exported.

■ **ISSUE-696096 - Fix for data validation 'Read Only' bind - unit is editable**

Fixed a problem occurring when Units were editable on a Web UI Node Editor for Attribute value components, even if this component became read only due to the evaluation of a Business Condition.

■ **ISSUE-696139 - Fix for RCA: STEP went inaccessible**

Fixed a problem when the Activity Log repository occupied a large amount of memory if the amount of distinct threads were started within a flush interval. It could have caused an Out Of Memory problem. A property was introduced that will limit thread repository size. To decrease this property, contact Stibo Systems support.

■ **ISSUE-696140 - Fix for some OIEPs running for two days and stuck at 35%**

Introduced a possibility to set a session timeout for SFTP connection in SFTP delivery. To set this timeout, contact Stibo Systems Support.

■ **ISSUE-696155 - Fix for auto deletion for Web UI revision is not working properly**

Fixed auto deletion of revisions of Web UI. Now, web revisions older than 7 days / month are deleted properly.

■ **ISSUE-696605 - Fix for STEP 2023.4 - In-Memory.ReadUp.Parallel**

STEP would not read up In-Memory data in parallel in versions 2023.3 and later, causing an increase in the start-up time for systems with more than one application server. This has been fixed.

■ **ISSUE-696848 - Fix for when after an upgrade user could not add the 'Coefficient' in performance data under 'Coefficient Limit'**

Fixed a setback when it was not possible to save more than one data container reference in the data container 'Add Data Container' action on the Web UI Node Editor.

■ **ISSUE-696929 - Fix for Prod: Button not working properly when applying the filters**

Fixed a problem when Toolbar actions did not work correctly on the Multi Reference screen in the Web UI, when filters were applied on one or more table headers and the 'Select All' action was used to select the items in the list.

■ **ISSUE-697059 - Fix for PROD Systems is blocked: no one could work**

Fix for race condition in STEP which caused the system to lock.

■ **ISSUE-697136 - Fix for error message referring to hidden object**

A better error message will be shown when purging old revisions with events related to event processors.

■ **ISSUE-697207 - Fix for the Web UI: custom exports issue**

Fixed a problem when choosing a reference mapping, then choosing a Classification Product Link for it on Simple / Custom Exporter screen in the Web UI, caused this mapping to not save properly and therefore cannot be reused from the saved template. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-697305 - Fix for unexpected error: Please contact your system administrator. Null**

Added more logging for further investigation.

■ **ISSUE-697485 - Fix for exports failing due to java.lang.UnsupportedOperationException: Cannot get parent of combined element error**

Some exports previously due to a lengthy 'java.lang.UnsupportedOperationException: Cannot get parent of combined element' error. Users should no longer encounter this error. However, if they do, the error messaging has been updated with more detail to better help users identify the problem. There is also a hotfix available that is applicable to step-11.2-mp2 / mp3, step-2023.3 / mp1, step-2023.4 / mp1, and step-2024.1.

■ **ISSUE-697695 - Fix for errors when exporting auto classification rule sets to Excel**

Fixed a NoClassDefFound error thrown when exporting Auto Classification rule set to Excel from the STEP Workbench.

■ **ISSUE-697861 - Fix for 'Fatal: Unexpected error. Please contact your system administrator. Internal Server Error'**

The issue causing the error when trying to edit a product from a Workflow Profile screen in the web UI has been addressed. The error was due to an internal server issue that has now been resolved.

There is a also hotfix available for this solution applicable for automotive-7.0.58 and automotive-7.0.59. The hotfix can be applied to a system with this recipe:

to:hotfix/698/issue-698538-HOTFIX-7318.spr

■ **ISSUE-698036 - Fix for the issue from a previous customer-specific ticket has reoccurred**

Fixed a problem when importing a CSV with a value, escaped by an unnecessary amount of double quotes, was causing an error with the Allow Multiple Line option in STEP Import Manager.

■ **ISSUE-698063 - Fix for SETBACK: Import through import configuration > Attribute is not displayed in mapping dialog**

Fixed displaying of unmapped columns in Web UI import.

■ **ISSUE-698260 - Fix for unmerged reference not getting deleted from UI when merging already unmerged object through Advanced Merge when the survivor is changed**

This fix is to remove the Unmerge From reference after merging when it is a self-reference on a survivor record.

■ **ISSUE-698314 - Fix for MergedInto reference not deleted from record after Unmerge Operation**

Fixed issue where a MergedInto reference is not removed after an UnmergedFrom reference is created. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-698341 - Fix for IIEP processes files without importing content**

Fixed a problem where pre-processors were not processing more than one file in cases where the IIEP was configured with a custom SDK receiver.

■ **ISSUE-698511 - Fix for IIEP - problem with pre-processor**

Fixed a problem occurring when the STEPXML joiner was not able to write replacement rules due to race condition on a cloud system, which caused a whole BGP to fail. Now the replacement rules will not be read and written if they are not configured in the pre-processor, and an IIEP will not fail if replacement rules failed to be read in one BGP.

■ **ISSUE-698574 - Fix for 2023.4 MP1 - Retrieve references in tables on classifications not working**

Fixed retrieving of references in tables on classifications. Now, all references are retrieved without duplicates.

■ **ISSUE-698659 - Fix for the data container add option display is disabled for initial entry**

Fixed a problem occurring when an Add Data Container action was not enabled on a Web UI Node Details screen with Multi Edit Data Container component on an initial load of the component. A problem could occur sporadically without any precondition, because by default an Add Data Container action

availability was set to 'false' - unavailable.

■ **ISSUE-698878 - Fix for 2023.4 - Translation files no longer work correctly**

Old translation exports from older versions of STEP could not be imported into newer versions of STEP.

■ **ISSUE-698948 - Fix for LOV Value ID displaying instead of Value in Title with Unfold View Data Container**

For LOVs in Data Container Representation > Title with Unfold View on Node Details display, the value is now displayed instead of the Value ID when the attribute is read only.

■ **ISSUE-698968 - Fixed issue with LOV values**

Fixed incorrect behavior occurring when it was not possible to save values, chosen from a suggestion on a Data Container Popup in Web UI, if it was an LOV with more than 5,000 values and the user chose one of the values with different IDs but similar values.

■ **ISSUE-698992 - Fix for custom ref target throwing an error**

Fixed a NullPointerException thrown when a user configured a Run Business Action on a Web UI Node List with a business function as a search function.

■ **ISSUE-699261 - Fix for Instrument - Missing value notification stays on screen even though all data has been provided**

Instrument UI could display notifications about mandatory references even if they were filled out in references tab. This has been fixed. The notification will not be displayed in references tab if mandatory references are filled out.

■ **ISSUE-699502 - Fix for saved export configuration does not work on publication level**

Fixed a problem where the Export Wizard would not load an Alpha Index Export configuration correctly.

■ **ISSUE-699517 - Fix for tables: row-definition keep-with-next does not work reliably**

Print Publisher: If a text frame contained a table with all rows set to 'Keep with next,' the first table in the frame could incorrectly split when it should have been moved to the next page. This is now fixed.

■ **ISSUE-699603 - Fix for attribute names cut off in STEP'n'Design**

Fixed problem in InDesign client where attributes names were being cut short when the name contained a dot character.

■ **ISSUE-699781 - Fix for when adding the '< & >' character in a Node Details Screen for the Name Component in the Web UI and saved - it's converted to ' and ;'**

Fixed displaying the '<' or '>' characters on the Sufficiency Card Screen. Now, they are properly escaped when read from the database as <lt/> and <gt/> STEP tags.

■ **ISSUE-699909 - Fix for product sorting in tables of Publication Classifications not working in STEP 2023.4 as before**

Fixed a problem where the product sorting was not working on STEP tables where manual sorting was being used.

■ **ISSUE-699977 - Fix for Browse and Search tabs giving fatal error**

Fixed setback occurring when a typeahead field on an Add Data Container popup for references was not populated after choosing a reference from the node picker. Another issue where searching for a reference target in an Add Data Container popup's node picker search tab could lead to an Oracle exception, because the search was done for all object types instead of only the valid reference target type, was also fixed. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-700124 - Fix for fatal error when trying to access the Application Manager in the Web UI**

Fixed NullPointerException occurring when accessing the Application Manager screen in Web UI, which was caused by a missing Classification to Product link type valid as a target of one of the Part Type object types.

There is also a hotfix available for this solution applicable for automotive-7.0.59. The hotfix can be applied to a system with this recipe:

```
to:hotfix/702/issue-702696-HOTFIX-7380.spr
```

■ **ISSUE-700199 - Fix for Web UI: cannot use some subscreens**

Fixed a problem where collapsed attribute groups could not be expanded on Multi Workspace or Multi Revision screens.

■ **ISSUE-700252 - Fix for STEP being unavailable**

Updated libraries used for Azure blob storage. Newer versions have better memory behavior.

■ **ISSUE-700277 - Fix for Inbound EVP failing for bulk uploaded records**

Added better logging to aid teams in capturing the event processor issue.

■ **ISSUE-700450 - Fix for empty title with dialog by Multi Edit Table view displaying column**

Fixed issue with showing Reference Headers when no data container instances were configured for a Globally Configured Multi Edit Data Container component.

■ **ISSUE-700822 - Fix for unexpected error on revision buttons**

Fixed a problem in STEP 2024.2: The issue occurred when changing the number of shown revisions on a Multi Revision screen in Web UI and toggling the Hide Equal mode. A Page Size design mode parameter is now in STEP 2024.2 that allows users to increase a page size for Multi Revision / Workspace / Language screens in order to prevent lazy loading of the next 25 hardcoded items in the list and toggling the enabled Hide Equal mode. This new parameter has been documented in online help.

■ **ISSUE-700864 - Fix for unmerged object getting matched with same surviving object even with confirmed non-duplicate reference existing**

Entities with confirmed non-duplicates are no longer considered when populating Clerical Review tasks with potential duplicates.

■ **ISSUE-700954 - Fix for inability to download the Java bundles while launching the workbench**

Corrected the bootstrapping code in the workbench. The code caused fragment bundles to be loaded that are not supposed to be loaded in the workbench, which caused the workbench to fail to start.

■ **ISSUE-701005 - Fix for Calculated Attribute Revision ID vs Name**

Returned back a possibility to return revision's Edited By User ID instead of the title for a calculated attribute's formula Revision Edited By. To enable this property, contact Stibo Systems Support.

■ **ISSUE-701049 - Fix for workbench facelift: Outbound Integration Endpoints that use the default parameter plugin cannot be saved**

Editing Outbound Integration Endpoints could fail silently and any changes made to the configuration would not be saved. This is now fixed.

■ **ISSUE-701265 - Fix for NPE that occurred while importing PIES file**

The issue causing the NPE in the Delta Calculation state of the AutoCare PIES Importer while importing a PIES file has been addressed.

There is also a hotfix available for this solution applicable for automotive-7.0.59. The hotfix can be applied to a system with this recipe:

```
to:hotfix/701/issue-701999-HOTFIX-7371.spr
```

■ **ISSUE-701267 - Fix for fatal error that occurred while importing ACES file**

The issue causing the fatal error in the Delta Calculation state of the AutoCare ACES Importer while importing an ACES file has been addressed.

There is also a hotfix available for this solution applicable for automotive-7.0.59. The hotfix can be applied to a system with this recipe:

```
to:hotfix/702/issue-702719-HOTFIX-7382.spr
```

■ **ISSUE-701303 - Fix for CMDM Golden Record Merge Web UI component causing error**

Fixed NullPointerException caused by a sporadic problem related to transaction command interception in Web UI. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-701859 - Fix for metric visualization in Web UI - order of show for missing attributes**

Fixed a problem when completeness score details were not sorted alphabetically after sorting by percentage when a user clicked on the completeness meter scale in a Web UI Node Editor.

■ **ISSUE-702080 - Fix for UI Task Mode component configuration not honored in UI rendering**

Fixed a problem where the Web UI Primary Navigation with Task Group component configured on a first load shown the workflow states related to the 'Group' task mode instead of the configured 'default task mode' in design mode.

■ **ISSUE-702104 - Fix for STEP Prod keeps going unavailable**

A very large number of recent changelog entries could cause STEP to run out of heap memory. This has been fixed. There is also a hotfix available that is applicable to step-2023.4 / mp1 and step-2024.1.

■ **ISSUE-702302 - Fix for error while importing image through Asset Importer**

Fixed an error in the 'Softvalues with Dual Visibility' health check, which caused it to fail whenever it found data inconsistencies.

■ **ISSUE-702480 - Fix for Error saving reference metadata**

Added new data error healthcheck 'Value with no Value Model.' This healthcheck only applies to Cassandra systems.

■ **ISSUE-702556 - Fix for post upgrade issues**

Fixed UnknownFormatConversionException thrown on attempt to login or run a BGP by user, whose password contains % character.

■ **ISSUE-702965 - Fix for Web UI - Advanced Search screen - attribute showing 160**

Fixed a problem that occurred when a truncated attribute name + ID on an Advanced Search screen in Web UI in Attribute search contained an unnecessary 160 character, which was supposed to be a whitespace delimiter.

■ **ISSUE-703366 - Fix for regression in IIEP failing**

Fixed ClassCastException occurring when executing an IIEP with preprocessor.

■ **ISSUE-703429 - Fix for Query Variable section is not opening in workbench after upgrading to 2024.1**

Fixed a problem occurring where the Query Variables section was not properly rendered in a business function Query Template Builder editor in workbench. There is also a hotfix available that is applicable to step-2024.1.

■ **ISSUE-703624 - Fix for redirection to Task List after clicking on Submit button shows all objects and the status flag does not work**

After clicking Submit on the Node Details screen and redirecting to a Task List, information about Status Flag was missed. Now, the information about Status Flag is taken from current task status and passed again to the Task List.

■ **ISSUE-704057 - Fix for Search function inaccessible since upgrade to STEP V24.1**

Fixed a problem occurring when a Query Variables section was not properly rendered in a business function Query Template Builder editor in workbench.

■ **ISSUE-704504 - Fix for STACKTRACE: java.lang.IllegalStateException that generated while importing ACES file**

The issue causing the IllegalStateException error in the Delta Calculation state of the AutoCare ACES Importer while importing an ACES file has been addressed.

There is also a hotfix available for this solution applicable for automotive-7.0.59. The hotfix can be applied to a system with this recipe:

```
to:hotfix/705/issue-705204-HOTFIX-7409.spr
```

■ **ISSUE-704836 - Fix for events not being deduplicated when generated from multiple referenced objects**

The first batch of events returned from an event queue might contain duplicated events even though the event queue was configured to deduplicate events. This has been fixed.

■ **ISSUE-705098 - Fix for post upgrade to 2023.4 - 'Org.xml.sax.SAXParseException' error**

Fixed a problem with adding mandatory attributes to a workflow in the case that the ID contained an ampersand.

■ **ISSUE-706533 - Fix for JavaScript try catch fails when using assetDownloader**

Fixed a problem when the STEP Graphics Image Processor was throwing an Image Processing Exception which was treated as an unchecked exception by the Asset Download Home public API. This made it impossible to catch such an exception in the JavaScript business rules. Now, a checked Image Parser Exception will be thrown instead.

■ **ISSUE-706593 - Fix for Recycle Bin cannot be opened or purged**

Added config option to skip analysis of the recycle bin when emptying. This is because it can take a very long time. To enable, contact Stibo Systems Support.

■ **ISSUE-706687 - Fix for [Upgrade 2023.4 MP1 Version] STEP PROD - endpoints getting failed intermittently**

Fixed a problem where IEPs sometimes would end up in 'Failed' state for no valid reason.

■ **ISSUE-706843 - Fix for Web UI component**

Fixed a problem occurring when a Web UI Target or Reference Metadata Value Header was not showing a correct value after saving a value and then modifying it again on a Web UI Node List.

■ **ISSUE-706851 - Fix for upgrade to 2023.4 – edit receiver plugin error**

Fixed a problem occurring where it was not possible to edit an integration endpoint in STEP Workbench due to an unexpected exception when navigating to this endpoint from its System Setup root folder.

■ **ISSUE-706880 - Fix for Web UI saved searches error out for 2024.1 upgrade defect**

Fixed problem occurring when a target / source item was deleted from STEP but still existed in a saved Web UI Advanced Search Reference / Referenced By search, which caused an unexpected exception to appear when executing such a search on this screen.

■ **ISSUE-706894 - Fix for address attribute displaying address in wrong format**

Now, line breaks will be replaced with spaces when displaying a Web UI Unfolding Data Container representation's attribute. Previously, line breaks were not displayed at all, which lead to representation text being collapsed if it contained line breaks. There is also a hotfix available that is applicable to step-2024.1.

■ **ISSUE-706897 - Fix for PROD - Web UI issue with context available (randomly) since the upgrade to 2023.4**

Now, Context Global Representation will not be cached to avoid privilege issues related to showing incorrect contexts to users on the Web UI Global Navigation panel.

■ **ISSUE-706903 - Fix for missing UseContextLocale='false' in STEPXML comparison when Change Packages come from Git, resulting in wrong differences**

UseContextLocale should now be included on the STEP Product Information element when importing business rules from Git.

■ **ISSUE-707031 - Fix for fatal: unexpected error/ Custom Export on Web UI**

Fixed unexpected exception that was thrown when performing a Custom Export from Web UI, when a saved Custom Export view contained the Parent mapping.

■ **ISSUE-707205 - Fix for DAM - import gives error 'Cannot parse embedded Reference'**

Exported files from STEP could contain References with no Target ID and Data Containers with no ID. This has been fixed. Exported files from STEP will not contain References with no Target ID and Data Containers with no ID.

■ **ISSUE-707257 - Fix for DAM - Smartsheet contains attributes that are not valid on product**

Fixed problem occurring when attributes linked to a classification, which is a target of a classification link, were included in all the exported Smartsheet categories (product sheets), even if they were valid for a certain category (product). Notice that when checking whether a linked classification attribute should be included, we only check validity for the product or its category (and do not traverse by parent hierarchy to check a validity).

■ **ISSUE-708056 - Fix for IIEP failing in production with 'No front revision for object, unexpected' error**

This is a fix for a rare scenario: An import running multiple business rules, where the first business rule deleted the current object and the next business rule attempts to access the current object.

For example:

BR delete

```
var del = node.delete();  
del.approve();
```

BR revision

```
node.getRevision();
```

This scenario would throw an exception with a lengthy error message. After the fix, users will find a simplified, informative error when this situation occurs.

■ **ISSUE-708157 - Fix for 2023.4 release creating unnecessary events**

Imports would cause events to be generated, even if the import did not cause any change in data. This has been fixed.

■ **ISSUE-708280 - Fix for changing LOV values in Web UI not triggering validation rules**

Fixed a problem occurring when LOV cross validation stopped working on a Web UI Node Editor screen without saving the values of LOV attributes. There is also a hotfix available for this solution that is applicable to step-2024.1.

■ **ISSUE-708731 - Fix for behavior with REST call status code 500**

Introduced config properties to disable retrying when receiving a 500 status code from downstream systems when performing a REST or REST Direct Delivery via OIEP in STEP. To enable these config properties, contact Stibo Systems support.

■ **ISSUE-709908 - Fix for cannot configure new OIEP for type 'Business Rule Based Message Processor'**

Now, Business Rule Message Processor configurations will be correctly saved when a user chooses a business rule for the Node Handler parameter and refreshes the editor in STEP Workbench.

■ **ISSUE-710036 - Fix for ML Matcher - unable to select a model**

Fixed a NullPointerException thrown when a user tried to edit a Machine Learning Matcher in a Matching Algorithm decision table when a Function Data Element with calculated expression was configured. As a Function Data Element with a calculated expression does not have a Return Type, it cannot be used in Machine Learning Matchers, and therefore, should be excluded from the dropdown and not cause the exception.

■ **ISSUE-710194 - Fix for Data Containers cannot be added to record**

Fixed a problem occurring when the Add Data Container action on a Web UI Data Container Multi Editor was throwing an exception if the user did not have privileges to view any of the Entity, Product, or Classification roots.

■ **ISSUE-710380 - Fix for 'Run Business Action' with bind of 'Query Home' on Task List screen is throwing error**

Fixed a problem where the QueryHome bind in a JavaScript business rule caused a NullPointerException when this business rule was called from a Web UI Run Business action on a Node List screen.

■ **ISSUE-710405 - Fix for a fatal error that occurred in the Conversion state when importing TecDoc Reference Data file**

The issue that was causing an error during the TecDoc Reference Data import has been fixed. The 'reflection call' error, which was a result of a data processing issue, has been addressed. Consequently, the import of both TecDoc Reference Data and TecDoc Supplier Data now proceeds without any issues.

There are two hotfixes available for this solution applicable for automotive-7.0.45. The hotfixes can be applied to a system with the recipes:

```
to:hotfix/711/issue-711281-HOTFIX-7473.spr
```

```
to:hotfix/711/issue-711308-HOTFIX-7474.spr
```

■ **ISSUE-710663 - Fix for '<' sign is shown as lt/ for calculated attributes**

Fixed a problem occurring when single less than / greater than characters were shown as <lt/><gt/> tags when saving the overridden calculated attribute value on a Web UI Node Editor screen for the Attribute Value component.

■ **ISSUE-710689 - Fix for 'Unexpected Error' when trying to add component to 'Global Representation List'**

Fixed unexpected error when adding a Match Score Updating Algorithms Representation to Web UI Main Area's global representations.

■ **ISSUE-710693 - Fix for node selector function not working properly**

Node Selector Function was designed to work with multi-selection screens. What this means is that the described issue where a Node Details screen was used for a single product, Node Selection Function cannot work. The functionality for a screen with a single node was added.

■ **ISSUE-711144 - Fix for Attribute Search in Advanced Search combined values if copied from file**

Now, it is possible to paste multiple lines to an Attribute search descriptor search field on an Advanced Search screen.

■ **ISSUE-711484 - Fixed issue with asset thumbnail display in the Web UI Global Navigation Panel Hierarchy**

Fixed an error related to display of asset thumbnail icons in the product hierarchy as displayed in the Global Navigation Panel in the Web UI.

■ **Enhancements and improvements for TecDoc linkage objects in the system**

The following fixes have been implemented to improve the creation and handling of linkage objects (application records) within the system:

- Enhancement for Table 410 linkage objects:** Previously, when linkage objects were created based on Table 400 and corresponding linkage criteria values were not mentioned in Table 410, the import process did not consider those linkage objects. This issue is now rectified, ensuring that the absence of criteria values in Table 410 is now considered, and relevant linkage objects are created as expected.

There is also a hotfix available for this solution applicable for automotive-7.0.45. The hotfix can be applied to a system with this recipe:

```
to:hotfix/709/issue-709120-HOTFIX-7443.spr
```

- Improvement for Table 400 linkage sequence numbers:** In some cases where a linkage sequence number in Table 400 did not start with '000000001', the creation of a linkage object was not considered. This issue is now rectified, ensuring that sequence numbers, regardless of their starting number, are considered for linkage object creation.

There are two hotfixes available for this solution applicable for automotive-7.0.45. The hotfixes can be applied to a system with the recipes:

```
to:hotfix/707/issue-707109-HOTFIX-7418.spr
```

```
to:hotfix/711/issue-711751-HOTFIX-7493.spr
```

- Correction for block separator criteria in Table 410:** Previously, records in table 410 that pointed to the block separator (Criteria 0008) incorrectly generated distinct linkage objects within the system. This issue has been addressed, and now, no separate linkage object is produced when interpreting the 0008 Criteria in Table 410.



PERFORMANCE ENHANCEMENTS

■ ISSUE-653092 - Fix for GDSN import performance problems

A performance improvement specific to the GDSN Receiver and the way it handles incoming messages / files is available. This fix is particularly needed if:

- the system has a slow file system.
- there are a large number of files / messages waiting to be processed.

This solution is outlined in the 'GDSN Receiver performance improvements' section of the Data Exchange Enhancements and Changes update note.

Hotfixes are available for this solution and are applicable to saas-11.2 and gdsn2-receiver-7.0.67.

Note: Customers may want to search Stibo Systems Service Portal for their Issue Numbers (if shown). To do so, while in the Stibo Systems Service Portal, navigate to Issues (in the header bar) and then select 'Search for Issues.' Click on the 'Advanced' option on the filtering bar, and then type in 'issue=' and the issue number. Press Enter or click the magnifying glass icon to run the query. **Users can only view Stibo**

Systems Service Portal issues for issue numbers that they have privileges to access. If the issue is not applicable to the user searching, then a 'No issues were found to match your search' message displays.