



RELEASE NOTES

Release 10.3-MP5

October 24, 2022

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10.3 Release Notes

These release notes describe the new, enhanced, and changed features provided with the release. Some changes may require action, so review these notes carefully. These notes complement the Stibo Systems Enterprise Platform (STEP) Online Help, which includes in-depth information on previously existing and new system functionality, including detailed explanations and step-by-step instructions for use, when appropriate.

Some of the changes and highlights of the 10.3 release include updates in the following areas:

Data as a Service (DaaS) — addressing direct high-volume consumption of master data, for example, by web site or point of sale (POS) through an always-on, cloud-native API configured for maximum ease of use (Platform, ramp-up status)

Strengthened SaaS offering — focusing on further automation in every aspect of procurement and operation of infrastructure, thereby reducing time-to-value, reducing cost, increasing uptime, and improving SLA performance

Machine Learning Matching Agent for Clerical Review Task List — improving operational efficiencies and productivity through automating repetitive, time-consuming data stewardship clerical review activities (Customer MDM, ramp-up status / early adopter access)

Dashboard & Bulk Import — addressing retailers need to provide a brand-consistent and easy-to-use product onboarding experience (PDX Retailer Product Onboarding)

Enhancement Requests — continuously listening to customers and partners to make improvements

Generally available early 2022: **Instrument PIM** — full user journey for CPG product manager (Product MDM)

New commercial licensing options introduced in 10.3 are:

- Platform: Data as a Service (DaaS)
 - Product Data Exchange (PDX): PDX Configured Channels
-

Information regarding the enhancements above and a wide variety of other enhancements and changes are included in this release note set.

Important: Some functionality described within these notes is controlled via licenses and/or component installations and may not be available on your system. Questions should be directed to your Stibo Systems account manager or partner manager.

Upgrade Guide and Maintenance Patches

In addition to the individual release notes, upgrading customers should read the 10.3 Upgrade Guide. This guide provides information that existing customers will need to know prior to upgrading. This includes actions required for deprecated components and unsupported functionality.

The Upgrade Guide includes information about actions that need to be taken prior to upgrading.

If / when applicable at the time of your installation, read the maintenance patch notes for 10.3 to understand the full scope of changes for the 10.3 release and subsequent patches.

Enhancement Requests

Customer satisfaction is the top priority for Stibo Systems. Many of the changes available in 10.3 are implemented as solutions to enhancement requests that customers have submitted. The updates that were made as part of the enhancement request process are included in the Enhancement Requests release note later in this release note set.

Academy and Community Resources

Stibo Systems Master Data Management (MDM) Academy offers customer and partner hands-on training options to expand your knowledge on Stibo Systems MDM solutions. Information regarding our certification programs and specific classes can be found on our website: <https://www.stibosystems.com/services-support/mdm-academy>.

All customers and partners are encouraged to join their respective Stibo Systems Communities to collaborate with other users. These release notes and other release materials, including videos, are also available within each Community.

Customers: <https://www.stibosystems.com/online-community>

Partners: <https://www.stibosystems.com/partners/partner-community>

Installation Recipe

The baseline can be installed using this command:

```
spot --upgrade=step:10.3
```

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager. For customers that have custom add-on components and/or if Stibo Systems Support is deploying your system upgrades and patches, submit an upgrade request via the Customer Portal (Jira).

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.

10.3 Upgrade Guide

Summary

With the 10.3 new features and enhancements, the benefits of upgrading include:

- An enhanced user experience and increased efficiency
- Staying up to date on security and supportability
- Utilizing expanded solutions to support new business initiatives
- SaaS option available

Customer action may be required. Before upgrading the platform and its add-on components, there are certain system changes that customers need to be aware of when moving to 10.3 from an earlier version. The list that follows may not be comprehensive; however, along with the full release note set, it provides a starting point for upgrade evaluation.

It is always recommended and in case of --upgrade, required, to use the latest released version of SPOT (regardless of the STEP version you are on).

Details

SPOT upgrade and DSA keys support update

DSA is no longer supported for users taking SPOT version 7.79.0 and higher. STEP systems should discontinue using DSA keys, and can refer to the updated Cluster SSH Configuration that became available in the 10.3-MP2 documentation and for on-premise systems can be found in the System Administration Guide on the Downloadable Documentation.

Recompiling REST API extensions required

Customers need to recompile extensions for REST APIs using these libraries:

```
implementation 'javax.ws.rs:javax.ws.rs-api:2.1.1'
```

And, the import package definition must be changed to:

```
'Import-Package': 'com.stibo.*,javax.ws.rs; version="[2.1.1,2.2.0)",javax.ws.rs.core; version="[2.1.1,2.2.0)",javax.xml.bind.*,com.sun.xml.bind.v2'
```

Faceted search / Elasticsearch re-indexing required

Improvements to faceted search in 10.3 requires the re-indexing of data. This means that customers using Elasticsearch will need to delete indexes and republish all search data to Elasticsearch. Republishing is necessary to take advantage of continuous improvements to the publishing schema.

Additionally, if your system has the `Elasticsearch.FeatureToggle.UserGroupPermissions` property in the `sharedconfig.properties` file, remove the property prior to upgrading. It is no longer needed. Any online help that references this property will be updated with 10.3-MP1. Refer to the 'Support for supplier privileges' section of the Faceted Search Enhancements and Changes release note in the 10.3 set for details.

Lionbridge service update for existing users

Lionbridge is scheduled to discontinue support for APIv1 in Q2 2022, and recommends existing customers contact their Lionbridge representative in order to access an APIv2 staging environment for testing purposes before using the new service on production systems. Refer to the Support for Lionbridge APIv2 section of the General Enhancements and Changes release note in this set.

Support, platform, and system admin information

The following items are desupported or removed with the 10.3 release:

- Microsoft Windows-based servers are no longer an option for new customers and will be desupported for existing customers starting with the next feature release. Contact your account manager to review your options for making the transition to a supported platform prior to upgrading to 10.3 (or later) release.
- MacOS Servers are no longer valid server options for Asset Push File Servers.
- Support for MS Windows Server 2016 has ended.
- macOS-based STEP InDesign servers can no longer be used.
- macOS 10.14 Mojave support has ended.
- Office 2016 support has ended.
- Adobe InDesign CC 2019 (Client and Server) is no longer supported by Adobe. While CC 2019 remains as an option within the STEP InDesign Plugins, it will be removed along with CC 2020 in the next feature release (Spring 2022).
- Apache for the reverse proxy is not supported. Customers with Apache-related support issues, regardless of the STEP version they are on, will be asked to transition to the HAProxy-based solution.

Important: Support for the 9.1 version of STEP ends on January 1, 2022.

Web UI-specific information

The following changes are described further in the Web UI Enhancements and Changes release note found later in this set:

- The Locale Selector child component on the Login Screen is replaced by the Locale Global Representation configuration component. This new component will control which locales are available on the Web UI login page and the 'Select Locale' section of the 'User Settings' menu in the 'Global

Navigation Panel.' For backward compatibility, users who have already configured the old Locale Selector child component on the Login Screen will still be able to use it as designed but are encouraged to use the new Locale Global Representation component. If both the old Locale Selector child component on the Login Screen and the new Locale Global Representation component are configured, the Locale Global Representation component will take precedence.

- As reported in the 10.2 release notes, LibreOffice is no longer installed as part of STEP, and to use the Office Preview functionality, customers will need to do their own install of LibreOffice. Additional installation instructions regarding this change and a required property plus package installs have been documented for 10.3 and can be found in the Considerations and Limitations section of the Asset Previews in Web UI topic.

Online help / documentation changes

In addition to documentation updates as part of 10.3 initiatives, the following changes have occurred:

- New PDX documentation will be available early in 2022. Refer to the Product Data Exchange (PDX) Enhancements release note in the 10.3 release note set for more information.
- Within the Customer & Supplier MDM Solution Enablement documentation, updates have been made to the 'SAP S/4HANA Business Partner Data Structures' and the 'SAP Business Partner Integrations' sections. These updates will be included in the 10.3-MP1 release documentation. To receive this information prior to upgrading to the maintenance patch, contact your Stibo Systems account manager or partner manager.
- For on-premise systems, extensive updates were made to the System Administration section and can be found in the System Administration Guide on the Downloadable Documentation.
- Dun & Bradstreet Integration materials were reorganized for better navigation.
- Match Actions materials for Match and Merge were reorganized within Matching, Linking and Merging for better navigation.
- Updates were made to the Machine Learning-Based Auto Classification documentation.
- Release information is available from within the customer portal (Jira) and will be available via the Partner and Customer Communities in December. Before accessing the documentation in Jira, clear your cache to ensure the system is accessing the latest materials.

Important: Prior to upgrade, customers should be aware of any maintenance patch updates that came out in earlier releases. The projects below were covered in the maintenance patch notes for 10.2, which can be accessed via the 10.2 Release within the 10.2 Maintenance Patch notes section of the documentation.

New features incorporated via 10.2 maintenance patches

- Online help includes Search Filters (10.2-MP3)
- Improvement to Auto Map feature when importing industry standard attributes (10.2-MP2)

- Identify and differentiate duplicate ETIM attributes within different ETIM versions (10.2-MP2)
- New 'Clear Selection' parameter on Web UI Node List Assign Action (10.2-MP2)
- Outbound Integration Endpoint cross context configuration change (10.2-MP1)
- Configuration Management Git Delivery plugin change (10.2-MP1)
- Improvements to the ECLASS ADVANCED screen (10.2-MP1)
- Improved PLM value control for Search and List of Values (10.2-MP1)

New Data as a Service (DaaS)

Summary

Stibo Systems' Data as a Service (DaaS) offering addresses direct high-volume consumption of master data, for example, by web site or point of sale (POS) through an always-on, cloud-native API configured for maximum ease of use.

Customers and application developers are able to access data mastered in STEP at a massive scale without having to replicate the data themselves. The DaaS solution provides scalability, availability, and durability, making the data easily available to other customer systems. DaaS enables the creation of new applications based on data so that customers can make maximum use of their master data while maintaining a separation of concerns between complex MDM activities and high volume consumption of master data.

Note: The Data as a Service commercial license must be enabled to use this functionality. DaaS is still in a ramp-up phase, so not all customers will have access to it. To learn more about the ramp-up phase / status, refer to the License and Component Lifecycle in the System Release and Patch Notes section of online help.

Details

With DaaS, data is published from STEP via an event processor to the DaaS service in the cloud. The DaaS service provides a management API that makes it possible to define multiple API services for data consumption that draw upon the same data but expose it to consumer systems in different ways via different GraphQL APIs, allowing for horizontal or vertical filtering. Data can be published from multiple STEP contexts allowing consumers to query specific context-dependent versions of the data. Communication between STEP and DaaS is handled via the new 'Azure DaaS' gateway integration endpoint (GIEP) plugin and the 'DaaS Event Processor' plugin.



For more information about Data as a Service, refer to the Publishing to Data as a Service documentation.

Product Data Exchange (PDX) Enhancements

Summary

Enhanced features for PDX include additional delivery options and mechanisms, new channels, language mappings, and PDX retailer product onboarding. These enhancements support effective product content creation for syndication and promote easier collaboration between retailers and vendors to produce the best experience for consumers.

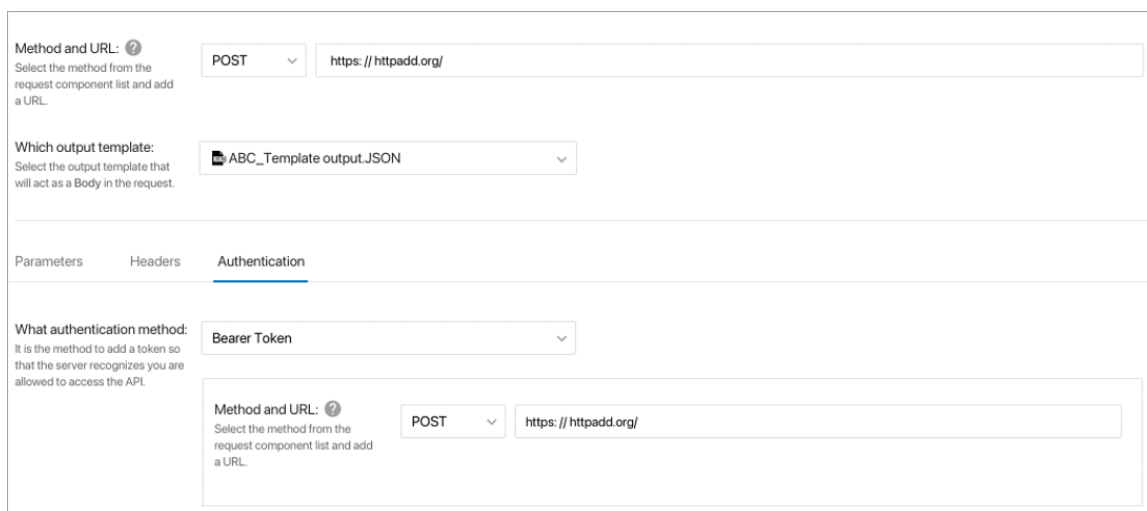
In addition to the above, new PDX Documentation will be available early in 2022.

Details

Additional Delivery Options and Mechanisms

Manufacturers need the ability to create a single 'data set' that can be shared with selling partners. Users now have the capability for output delivery to an HTTP endpoint to support a full end-to-end flow. This endpoint is fully configurable (method, URL, headers, authentication, parameters) by users.

Benefits include broader global market reach for manufacturers, quicker time to market, and greater revenue potential. As part of a complete syndication solution, PDX reduces effort by supporting the 'build once — share to many' approach.



The screenshot displays a configuration interface for PDX delivery options. It features a 'Method and URL' section with a dropdown menu set to 'POST' and a text input field containing 'https://httpadd.org/'. Below this is a 'Which output template' dropdown menu set to 'ABC_Template output.JSON'. A tabbed interface shows 'Authentication' selected, with a 'What authentication method' dropdown menu set to 'Bearer Token'. A nested 'Method and URL' section is also visible within the authentication area, mirroring the top section with 'POST' and 'https://httpadd.org/'.

The new PDX Configured Channels commercial license is required for the functionality described above.

New channels added

Canadian Tire and Marks & Spencer have now been added to PDX Syndication, providing manufacturers and distributors an easy and uniformed way to share data with their retail partners in Canada and UK/Europe.



The PDX Direct Channel commercial license is required to use these channels.

Multi-language support with language mappings

This release addresses the need of manufacturers to use master data from different language layers to complete the requirements of any channel. Manufacturers now have alternatives to 1:1 mappings between master data languages and channel languages. The update also provides the possibility to prioritize how language layers should be populated.

Notable benefits include the ability to reuse the attribute values of other language layers, which equals time saved for manufacturers. Manufacturers will no longer need to duplicate shared attributes across languages, enabling a quicker time to market for products.



Priority	1	2	Channel Record
Language	Danish	English (United States)	Danish
Product description	Enkle og helt trådløse in-ear høretelefoner til iPhone, Apple Watch, iPad og Mac. Unik brugervenlighed og nem Bluetooth-parring.	Simple and completely wireless in-ear headphones for iPhone, Apple Watch, iPad, and Mac. Unique user-friendliness and easy Bluetooth-pairing.	Enkle og helt trådløse in-ear høretelefoner til iPhone, Apple Watch, iPad og Mac. Unik brugervenlighed og nem Bluetooth-parring.
Color		Black	Black

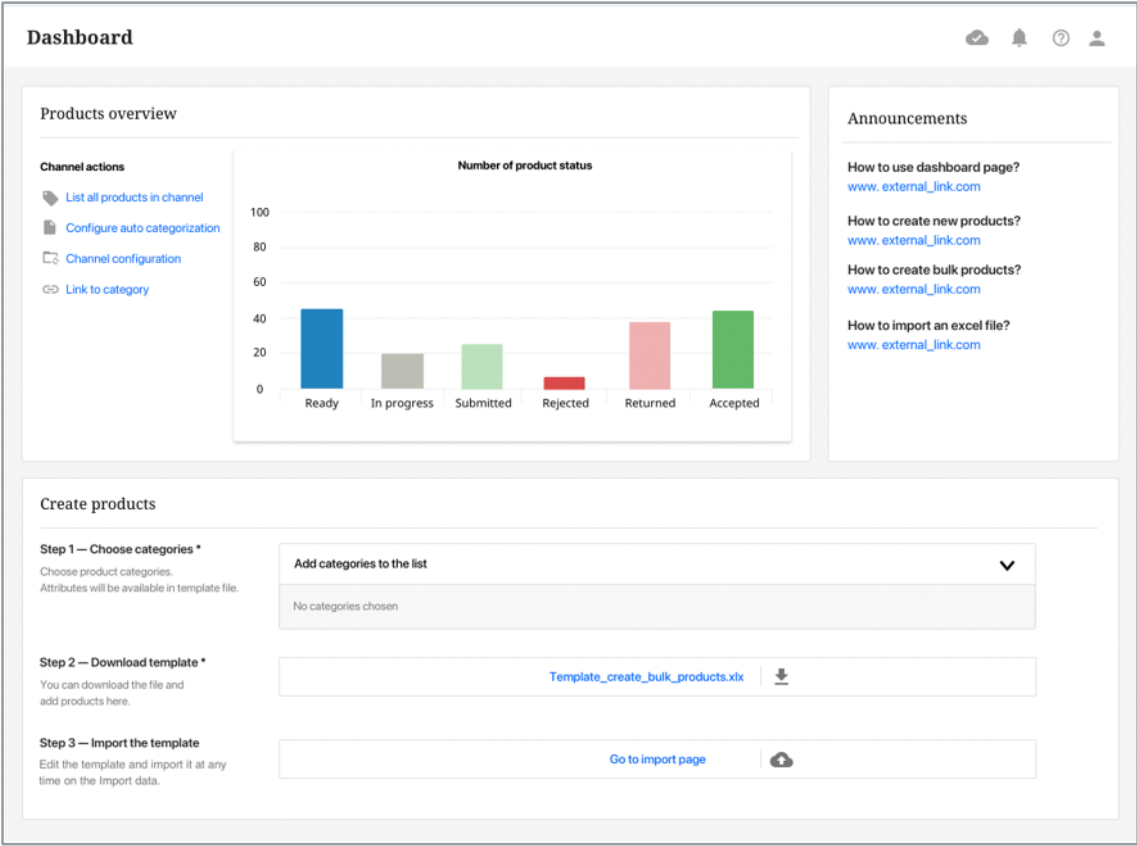
Commercial licenses required for the above functionality are PDX Syndication and PDX Multi-Language Support.

Retail product onboarding: dashboard and bulk import

The 10.3 enhancements implement the following retailer-specific UI configurations: a retail-configurable dashboard for suppliers, a retailer-specific spreadsheet template to create products in bulk, and the option to create products in multiple categories at the same time.

Retailers reap the benefits of a customizable dashboard that shows only relevant widgets and information to their suppliers, the ability to make announcements and share information with all suppliers, and brand consistency without the cost of a vendor portal.

Suppliers will benefit from greater ease of use and increased efficiency when using the retail-specific spreadsheet templates to create products in bulk.



The functionality described above is activated by the PDX Data Onboarding commercial license.

New PDX Documentation available

New, expanded PDX Documentation will be available early in 2022 — accessible via a link inside the PDX interface. This documentation will complement the Help & FAQs, which will continue to be available.

New Machine Learning Matching Agent for Clerical Review Task List

Summary

Within the Match and Merge solution, the matching algorithm scores potential duplicate records based on static match criteria. Using this score, the solution auto-merges duplicate records above an upper threshold, rejects duplicates falling below a lower threshold, and places all records falling between those thresholds into clerical review. The amount of clerical review tasks can often be substantial.

Now, the machine learning-based matching agent works alongside the daily activities of the data steward by observing their duplicate review decisions during clerical review sessions and continuously refines its learning. As the Matching Agent reaches sufficient certainty, it will begin to provide its own match recommendations, which the data steward can use to make decisions more quickly. These recommendations result in a rapid depletion of the clerical review backlog, saving the data steward significant time.

Note: The functionality for this release is in the ramp-up phase and is only accessible through an early adopter program. To learn more about the ramp-up phase / status, refer to the License and Component Lifecycle topic in the System Release and Patch Notes section of online help. To participate in the early adopters program, send an email request to SYSCLericalReviewMatchingAgent@StiboSystems.com.

US-eng • Main

Golden Record Clerical Review Task List

Advanced Merge
 Merge
 Reassign
 Reject

Recommendation	ID	First Name	Last Name	Main Address	Phone	Source Information
<input type="checkbox"/>	199159003... 826253096...	Abbey Abbey	Abavt Abat	Starritt Place 4 Echuca, vic. 31... Starritt Place 5 Echuca, vic. 31...	03 03600845 08 11132777	SAP London SAP London
<input type="checkbox"/> Reject	642260361... 832289341...	Isabella Isabella	Mutharnna Muthanna	Zadow Pkace 9 Wooroonden, ... Zadow Place 8 Wooroonden, ...	613 02641196 613 02641196	SAP London SAP London
<input type="checkbox"/> Reject	371538519... 503771849...	Patrick Mary	Walent Walent	Leycester Olace 47 Werri Beac... Leycester Place 47 Werri Beac...	03 86725379 2 94174491	SAP London SAP London
<input type="checkbox"/> Merge	738667964... 175112150... 873036426... 908575949... 155824948...	Jacob Jacpb Jacb Jacob Jacob	Shaykat Shaukt Shaukat Shaukat Shajkat	Wandoo Street 1 Deepwter, ql... Wandoo Dstreet 19 Deepwater... Wandoo Street 19 Deepeater... Wandoo Street 10 Deepwater... Wandop Street 10 Deepwiater...	03 06877449 03 06877449 03 06877449 03 06877449 03 06877449	SAP London SAP London SAP London SAP London SAP London
<input type="checkbox"/> Merge	779477997... 1087917836 972055407... 782261978... 606085474... 850894274...	Emmersob Stidolph Emmeruon Emmerson Emmerson Emmrson	Stidoph Emmerson	Marungak Avenue 5 Victoria ... Marungal Avenue 5 Victoria P... Marungal Avenue 5 Victoriap... Marungal Avenue 2 Victoria P... Marungal Avenue 5 Victoria P... Marungalyavenue 5 Victoria P...	618 39160934 618 39160934 618 39160934 618 39170934 618 39160934 618 39160934	SAP London SAP London SAP London SAP London SAP London SAP London
<input type="checkbox"/> Reject	894081356... 329215034... 810406738...	Leon Leon Newman	Newma Newman Leon	Saggersedose 8 Tierk, qld, 39... Saggers Close 8 Tieri, qld, 3959 Grammar School 8 Tieri, qld, 3...	613 69500393 613 69500393	SAP London SAP London SAP London
<input type="checkbox"/> Merge	332853292... 861633328...	Abbeu Abbey	Tsitsani Tsitsani	Torres Street 367 Croydon So... Torres Street 360 Croydon So...	03 89269095 03 89369095	SAP London SAP London

Total Number of Tasks: 51; Selected items: 0

Details

The machine learning matching agent is non-invasive, meaning that it works in tandem with the daily activities of the data steward by continuously observing and learning from the skilled match decisions they make when

working with clerical review task lists. It then provides its own merge or reject recommendations once it has the confidence to do so. Over time, more items in the duplicate review backlog are covered by its recommendations with a higher degree of accuracy.

The machine learning matching agent helps the data steward to maintain complete control. It provides a recommendation to the data steward who can then act on each recommendation individually.

For more information about this functionality, refer to the Machine Learning Matching Agent topic in the Matching, Linking, and Merging documentation.

Customer MDM and Supplier MDM Enhancements and Changes

Summary

The following enhancements have been made to the Customer and Supplier Master Data Management solution:

- **List Processing** for data preparation now allows imports from multiple lists, enabling users to create a consolidated list of records.
- Golden Record Clerical Review Task List for Match and Merge has been improved with **search and filter** options.
- The Delete Handler parameter has been removed from the **Merge Golden Record** operation dialog, allowing users to focus on the most beneficial parameters.
- Within **Solution Enablement** documentation, updates have been made for 10.3 and will also be available for 10.3-MP1.

For additional Match and Merge improvements, refer to the New Machine Learning Matching Agent for Clerical Review Task List release note in this 10.3 release note set.

Details

List processing allows import of multiple lists into a target list

Now that the list processing functionality allows imports of multiple source lists into a single target list, a consolidated list of records can be created. Additionally, the process card labels are updated to reflect that records can be added as well as removed during processing. This functionality gives users greater flexibility in preparing lists for business consumption and enables managing large volumes of customer / prospect data.

The new 'Import from Other Lists' (IFOL) operation is available on a list processing configuration object in workbench. The IFOL operation also allows applying an optional business action to each imported record, for example, to set or modify attribute values. In Web UI, on a target list, choosing to run a list processing configuration that includes an IFOL operation prompts the user to select the source lists to import. The target list is expanded with the imported source list records.

As shown in the 'Consolidate Lists' initiated in the configuration below, a new wizard guides the user to select the source lists to be added to the target list.

Initiate Consolidate Lists

Process confirmation

Import from Other Lists

Import from Other Lists

Lists to be imported

Select an existing list from the tree below and move it to the Included Lists box using the arrows.

Existing Lists

- Entity hierarchy root
 - All Rental Lists
 - Stoneberry
 - 2020
 - 2021
 - Spring
 - Marketing drop 1
 - CL-124825 (CL-124825)
 - CL-124827 (CL-124827)

Included Lists

- CL-124825 (CL-124825)
- CL-124827 (CL-124827)

Cancel
Back
Next

List processing functionality is optional and available on systems with the activated List Processing commercial license (in addition to the standard Customer MDM domain license). Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

For more information, refer to the List Processing Operations topic in the Data Preparation documentation.

Golden Record Clerical Review Task List improvements for Match and Merge

The Golden Record Clerical Review Task List used for a Match and Merge solution holds tasks for merging records that are deemed to be potential duplicates — those records that fall within the clerical review threshold range set in the matching algorithm. For every task in the task list, only a single golden record is in the workflow. The other potential duplicates are included based on their match score. A data steward manually reviews groups of potential duplicate records on the task list and determines if the golden records should be merged or if they are not duplicates and should be kept separate.

Prior to this release, while the list of records in the workflow was combined with the potential duplicates to be displayed on the screen, the complete list was not stored nor accessible. Consequently, search was only possible on the records in the clerical review workflow, excluding the potential duplicates. Since only one record in each group is in the workflow, users could not easily find a particular group of records. This also resulted in not being able to filter or prioritize the task list. Now, on the Matching - Merge Golden Record component model, the new Potential Duplicate Reference Type aspect works with the new Potential Duplicate Match Algorithm aspect to resolve these issues. Configuring the new aspects allows the potential duplicate records to be identified even though they are not in the workflow and provides a variety of searching

options as well as filtering capabilities via the Golden Record Attribute Value Header on the task list. Productivity is improved for data stewards now that they can identify and take action on the most important clerical review tasks in a timely manner.

Golden Record Clerical Review Task List

Advanced Merge
 Merge
 Reassign
 Reject

ID	Source Information	First Name	Last Name	Main Address	Email
<input type="checkbox"/> 597054	CRM Global 162...	Debbie	Lara		
<input type="checkbox"/> 597066	SAP London 167...	Debby	Lara		
<input type="checkbox"/> 597090	SAP US 1617050...	Shelly	Fulghum		
<input type="checkbox"/> 597275	SAP US 1659012...	Shelley	Fulgum		
<input type="checkbox"/> 597362	Dynamics Europ...	Sheley	Fullgum		
<input type="checkbox"/> 597281	CRM Global 161...	Candace	Fulgum		
<input type="checkbox"/> 597363	Dynamics Europ...	Candy	Fulgum		
642339	CRM Global 100...	Andrew	Knoche		

Search parameters

Equals

Fullgum

Clear search Apply search

ID	Source Information	First Name	Last Name
<input type="checkbox"/> 597287	Dynamics Europe 1693...	Jonathan	Fullgum
<input type="checkbox"/> 597369	SAP London 16860430-...	John	Fullgum
<input type="checkbox"/> 597090	SAP US 16170509-2102	Shelly	Fulghum
<input type="checkbox"/> 597275	SAP US 16590120-0104	Shelley	Fulgum
<input type="checkbox"/> 597362	Dynamics Europe 1676...	Sheley	Fullgum

The new Potential Duplicate Match Algorithm ID and Potential Duplicate Reference Type aspects in the Matching - Merge Golden Record component model (shown below) must be configured to use the potential duplicate references and allow filtering in the Clerical Review Task List. For configuration information, refer to the Configuring the Matching - Merge Golden Record Component Model topic in the Matching, Linking, and Merging documentation.

System Setup

- Keys
- Event Queues
- Component Models
 - Address Component Model
 - Auto Classification Model
 - Automotive - Application Model
 - Automotive - AutoCare Model
 - Automotive - Country Model
 - Automotive - Import Flow Process
 - Automotive - Mapper Extension
 - Automotive - NAPA Model
 - Automotive - TecDoc Model
 - CASS Address Component Model
 - Country Aliases
 - D&B Integration
 - Email Component Model
 - External Stored Assets Model
 - GDSN Provider model
 - GDSN Receiver model
 - Google Shopping Model
 - List Processing
 - Matching
 - Matching - Link Golden Record
 - Matching - Merge Golden Record
 - Packaging
 - Product Variant Model
 - Publishing - Assetpush Queue
 - Publishing - DPS Properties
 - Publishing - Flatplan Workflow
 - Publishing - Freeze
 - Publishing - Milestone Settings
 - Publishing - Module
 - Publishing - Node with Pickup
 - Publishing - UI Filtering
 - Reference Data Address Street
 - Reference Data Address Without Street
 - Region Aliases

Matching - Merge Golden Record - Component Model Configuration

Name	Value	Description
> Golden Record Object Types	<ul style="list-style-type: none"> Customer Contact Individual Customer Organization Customer Prospect Supplier 	Object types which can be used as merged golden records in Matching Algorithms
> Keep Source Records for Golden Record Object T...	<ul style="list-style-type: none"> Customer Contact Individual Customer Organization Customer 	Golden Record Object Types for which Source Records will be stored when importing with Match and Merge Importer. This is an optional setting.
> Source System Object Type	Source System	Object type which can be used as source system for merged golden records
> Deactivated Attribute	Deactivated Record	Attribute used for marking a golden record as deactivated. Must be single valued, dimension independent and use LOV with true/false values (either as values or if using ID then as IDs).
> Potential Duplicate Match Algorithm ID	PotentialDuplicateMatchAlgorithmID	Multi-valued attribute for storing matching algorithm IDs on potential duplicate relations.
> Source Record ID Attribute	Source Record ID	Multi-valued attribute used for storing source record IDs of source records on SourceRelations
> Source System ID Attribute	Source System ID	Attribute used for storing unique source system ID on Source Systems
> Merged-Into Relation Reference Types	Merged Into	Single valued reference types for linking a deactivated golden record to the surviving golden record when merging golden records
> Potential Duplicate Reference Type	PotentialDuplicate	Optional Reference type for relations between a potential duplicates in a clerical review task
> Source Relation Reference Type	CustomerSourceSystem	Reference type for linking golden records to source system
> Unmerged-From Relation Reference Types	Unmerged From	Single valued reference types for linking an unmerged golden record to the golden record unmerged from
> Edit		

On an existing system, after configuring the Potential Duplicates Reference functionality, update existing data to include the new references. To do so, on the relevant Event Processor, republish events for all nodes included on the Triggering Object Types flipper in the Event Triggering Definitions tab. When the 'Unread events (approximated)' count is zero, the potential duplicates references data is available in Web UI.

For more information, refer to the Golden Record Clerical Review Task List topic in the Matching, Merging, and Linking documentation.

Delete Handler parameter removed from Merge Golden Record configuration

In a Match and Merge algorithm, the Merge Golden Record operation previously allowed the user to select a Create Handler, a Delete Handler, and a Merge Handler business action. While the Delete Handler is useful in a Link Golden Record scenario, it is generally not needed for the Merge Golden Record scenario. Now, by default, the Merge Golden Record operation on the Match Action Configuration dialog no longer includes the Delete Handler parameter. Reducing the number of options on the dialog allows users to focus on the most beneficial parameters.

With this release, for existing Merge Golden Record operations with a Delete Handler business action assigned, no change is made to the configuration. For a use case that requires the parameter, contact your Stibo Systems account manager or partner manager for assistance in restoring it.

The screenshot shows the configuration interface for a matching algorithm. The main window is titled "Individual Matching Algorithm - Matching Algorithm". A sub-window titled "Match Action Configuration" is open, showing settings for the "Merge Golden Record" action. A red arrow points to the "Create Handler" field, which is currently empty. Other fields include "Auto Threshold" (90.0), "Clerical Review Threshold" (80.0), "Clerical Review Workflow" (Clerical Review Workflow Individual), "Clerical Review High Priority Status Flag" (High (High)), "Clerical Review High Priority Business Condition" (Evaluate High Priority), "Golden Record Root" (Individual Customer), "Golden Record Object Type" (Individual Customer), "Default Source System" (SAPName), "Auto Approve" (checkbox), "Merge Handler", "Merge Keep First Handler", and "Enable Matching Agent" (checkbox). The "Save" and "Cancel" buttons are visible at the bottom right of the dialog.

For more information, refer to the Configuring Match and Merge topic in the Matching, Linking, and Merging documentation.

Solution Enablement documentation updates

Within the Customer & Supplier MDM Solution Enablement documentation, updates have been made to the 'SAP S/4HANA Business Partner Data Structures' and the 'SAP Business Partner Integrations' sections. These updates will be included in the 10.3-MP1 release documentation. To receive this information prior to upgrading to the maintenance patch, contact your Stibo Systems account manager or partner manager.

Data Exchange Enhancements and Changes

Summary

The following updates have been made within the Data Exchange functionality:

- Data maintenance is improved for systems with **multiple ETIM versions**.
- Import Manager's Auto Map feature now allows mapping incoming ETIM attributes to attributes on **existing ETIM versions**.
- **ECLASS BASIC** version 12 is now supported and can be published in XML format 3.0.
- **Smartsheets** now have a new 'Classification roots for inherited attributes' parameter for including attributes linked from the classification for onboarding / maintenance.

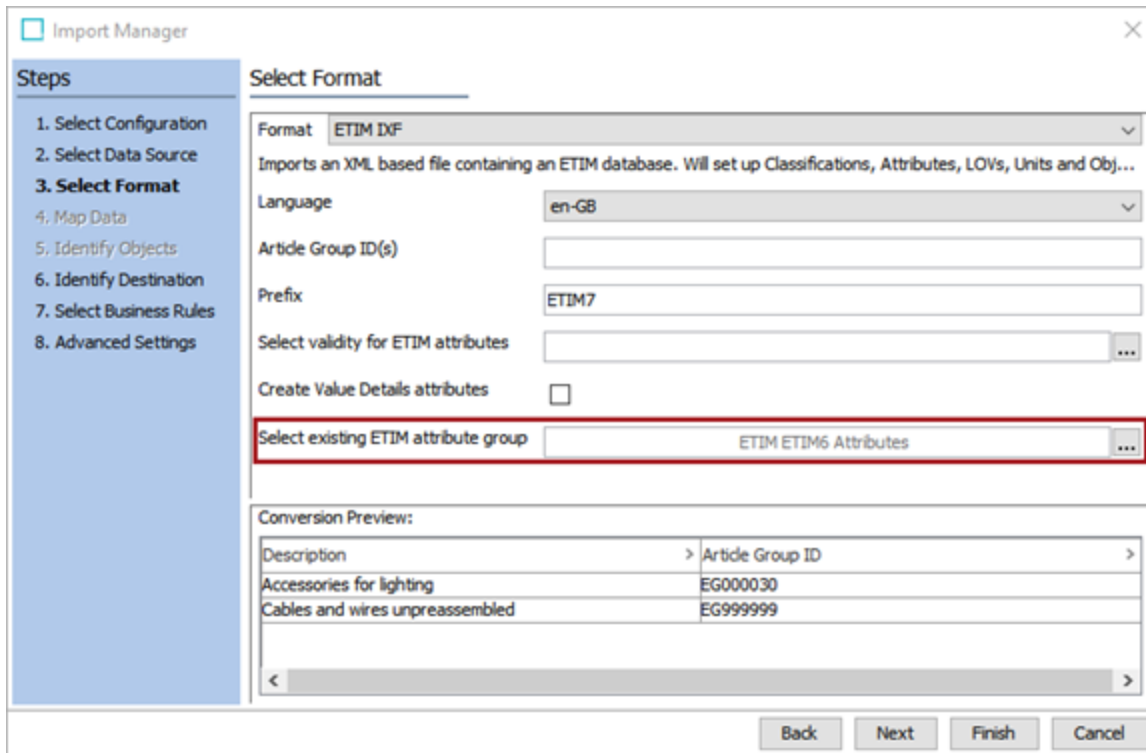
An additional enhancement 'Web UI Excel Exports in Node List Sort Order' is documented in the Web UI Enhancements and Changes release note in this 10.3 Release Note set.

Details

Duplicate ETIM attributes can be identified within different ETIM versions

With the addition of a new 'Select existing ETIM attribute group' parameter in Import Manager, users can now verify if there are any duplicate ETIM attributes between existing ETIM attributes and those that are being imported from a different ETIM version. Customers that use multiple versions of ETIM on their STEP system have previously experienced data maintenance issues, as ETIM attributes can vary among different ETIM versions. Some of these differences between attributes can include a change in the validation base type, unit, and LOV, when applicable. To differentiate between duplicate ETIM attributes with changes, specific IDs will be given to the duplicate attributes to identify which ETIM attribute belongs with which ETIM version.

This functionality was introduced with 10.2-MP2. Refer to the 10.2-MP2 Maintenance Patch Notes in the online help documentation.



Import Manager

Steps

1. Select Configuration
2. Select Data Source
- 3. Select Format**
4. Map Data
5. Identify Objects
6. Identify Destination
7. Select Business Rules
8. Advanced Settings

Select Format

Format: **ETIM IXF**
Imports an XML based file containing an ETIM database. Will set up Classifications, Attributes, LOVs, Units and Obj...

Language: **en-GB**

Article Group ID(s):

Prefix: **ETIM7**

Select validity for ETIM attributes:

Create Value Details attributes:

Select existing ETIM attribute group: **ETIM ETIM6 Attributes**

Conversion Preview:

Description	Article Group ID
Accessories for lighting	EG000030
Cables and wires unpreassembled	EG999999

Back Next Finish Cancel

For more information, refer to the ETIM IXF Format topic in the Data Exchange documentation.

Improvement to Auto Map feature when importing industry standard attributes

To further improve the ETIM data maintenance process, ETIM users now have the option to use the Auto Map feature to map incoming industry standard attributes with attributes that are part of an already-installed ETIM version. This new feature is extremely beneficial, specifically in instances where attributes within currently installed ETIM versions may have different attribute IDs than attributes that are part of a new ETIM version installation. The Auto Map feature is found within the Import Manager.

This functionality was introduced with 10.2-MP2. Refer to the 10.2-MP2 Maintenance Patch Notes in the online help documentation.

For more information, refer to the Inbound Map Data - Auto Map topic and the ETIM Format topic, both in the Data Exchange documentation.

ETIM is activated by the ETIM Industry Standards Package commercial license, which allows for the enablement of the applicable system license and component that is required to access the functionality. If upgrading to 10.3, the most recent version of the add-on component 'etim-importer' must be added to the system. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

Support added for latest version of ECLASS BASIC

To continue our commitment to serve those that use ECLASS as a classification system tool for their products and services, STEP now supports ECLASS BASIC version 12. As with ECLASS BASIC's last release (version 11.1), version 12 will continue to be published in XML format 3.0. Although the ECLASS BASIC version is also published in CSV, STEP only supports the XML version.

For more information on the ECLASS format, refer to the ECLASS Format topic in the Data Exchange documentation.

ECLASS BASIC is activated by the ECLASS Hierarchy Import commercial license, which allows for the enablement of the applicable system license and component that is required to access the functionality. Contact your account manager to begin the process of enabling a license or licenses for your system. If upgrading to 10.3, the most recent version of the add-on component 'eclassimporter' must be added to your

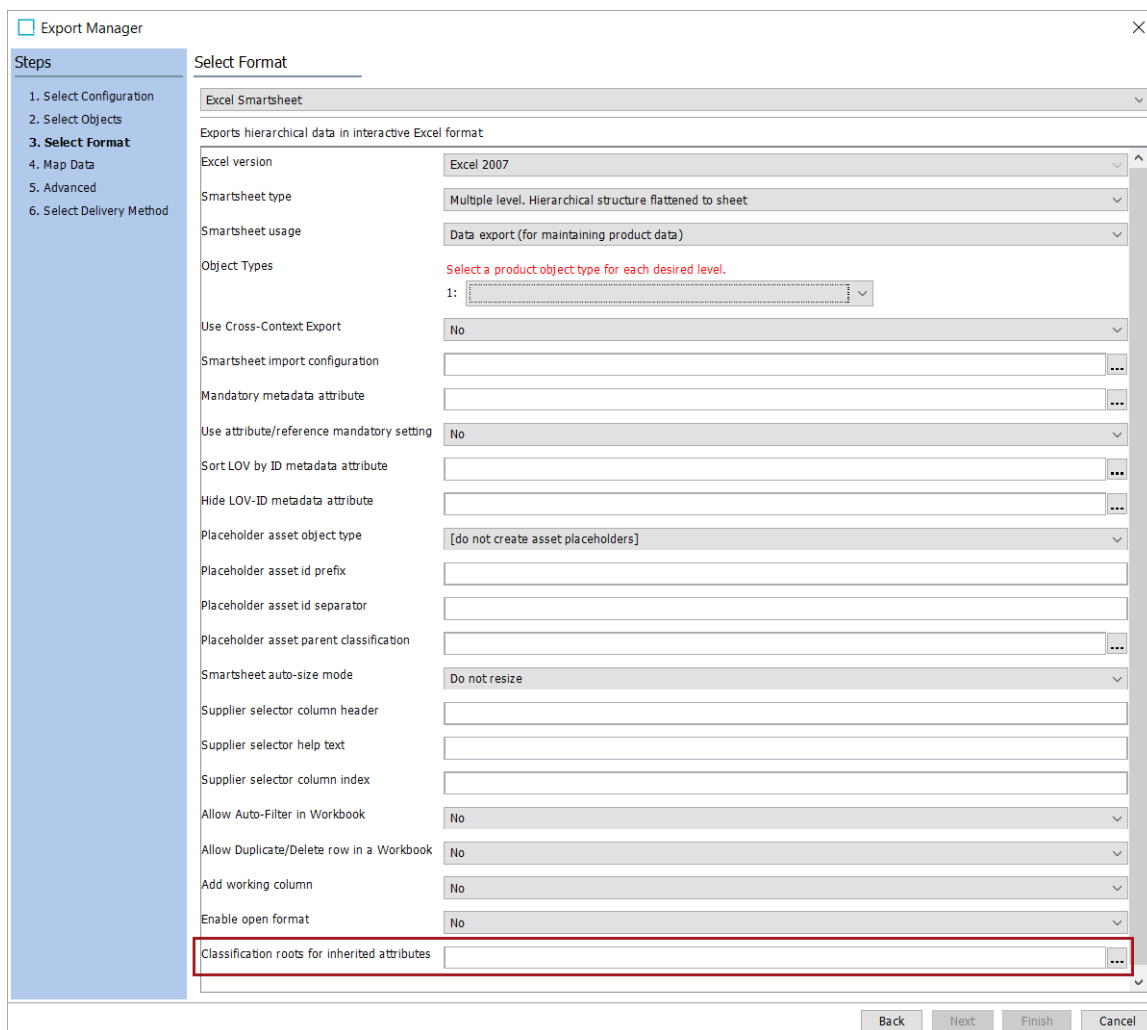
system. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

Classification attributes in Smartsheets

It is now possible to

Smartsheets now have an additional feature to include attributes linked from classifications for onboarding and maintenance of data. A new parameter 'Classification roots for inherited attributes' has been introduced to Excel Smartsheet, allowing system administrators to configure one or more Product Classification Link Types.

The attributes that are linked to the classification should be valid for the object types being exported.



The screenshot shows the 'Export Manager' window with the 'Select Format' tab active. The 'Excel Smartsheet' format is selected. The 'Object Types' section has a red error message: 'Select a product object type for each desired level.' The 'Classification roots for inherited attributes' field at the bottom is highlighted with a red box.

Field	Value
Excel version	Excel 2007
Smartsheet type	Multiple level. Hierarchical structure flattened to sheet
Smartsheet usage	Data export (for maintaining product data)
Object Types	Select a product object type for each desired level.
Use Cross-Context Export	No
Smartsheet import configuration	[...]
Mandatory metadata attribute	[...]
Use attribute/reference mandatory setting	No
Sort LOV by ID metadata attribute	[...]
Hide LOV-ID metadata attribute	[...]
Placeholder asset object type	[do not create asset placeholders]
Placeholder asset id prefix	[...]
Placeholder asset id separator	[...]
Placeholder asset parent classification	[...]
Smartsheet auto-size mode	Do not resize
Supplier selector column header	[...]
Supplier selector help text	[...]
Supplier selector column index	[...]
Allow Auto-Filter in Workbook	No
Allow Duplicate/Delete row in a Workbook	No
Add working column	No
Enable open format	No
Classification roots for inherited attributes	[...]

When 'Classification roots for inherited attributes' is configured, the Export Manager determines the valid attributes for new products in the product category if a Product Classification Link type allows for inheritance of attribute validity from the linked classification. Those attributes will be included in the Smartsheet output.

If nothing has been configured for 'Classification roots for inherited attributes,' there are no changes to the current way of determining what should be exported.

For more information, refer to the Excel Smartsheet topic in the Data Exchange / Data Formats documentation.

Faceted Search Enhancements and Changes

Summary

The following enhancements have been made to the Faceted Search solution, which offers a modern search experience powered by Elasticsearch:

- Added support for searching for **assets** to streamline the search experience across data types.
- Modified the **saved search** behavior to include display settings (e.g., columns in view, available facets, etc.) to enable users to easily switch between product and asset-based search interfaces.
- Added support for **supplier privileges** to ensure that the Search Screen can be used by suppliers without compromising established data privileges and restrictions.
- **Increased limit** on the number of fields publishable to Elasticsearch to support additional data types and allow for more robust searches.
- Provided configuration options to give administrators the ability to **restrict business actions** available to each user group so that they only view what is relevant for them to execute from the Search Screen.
- Updated to the **latest versions** of Elasticsearch and Kibana to remain current and continue to be supported with third-party technologies.

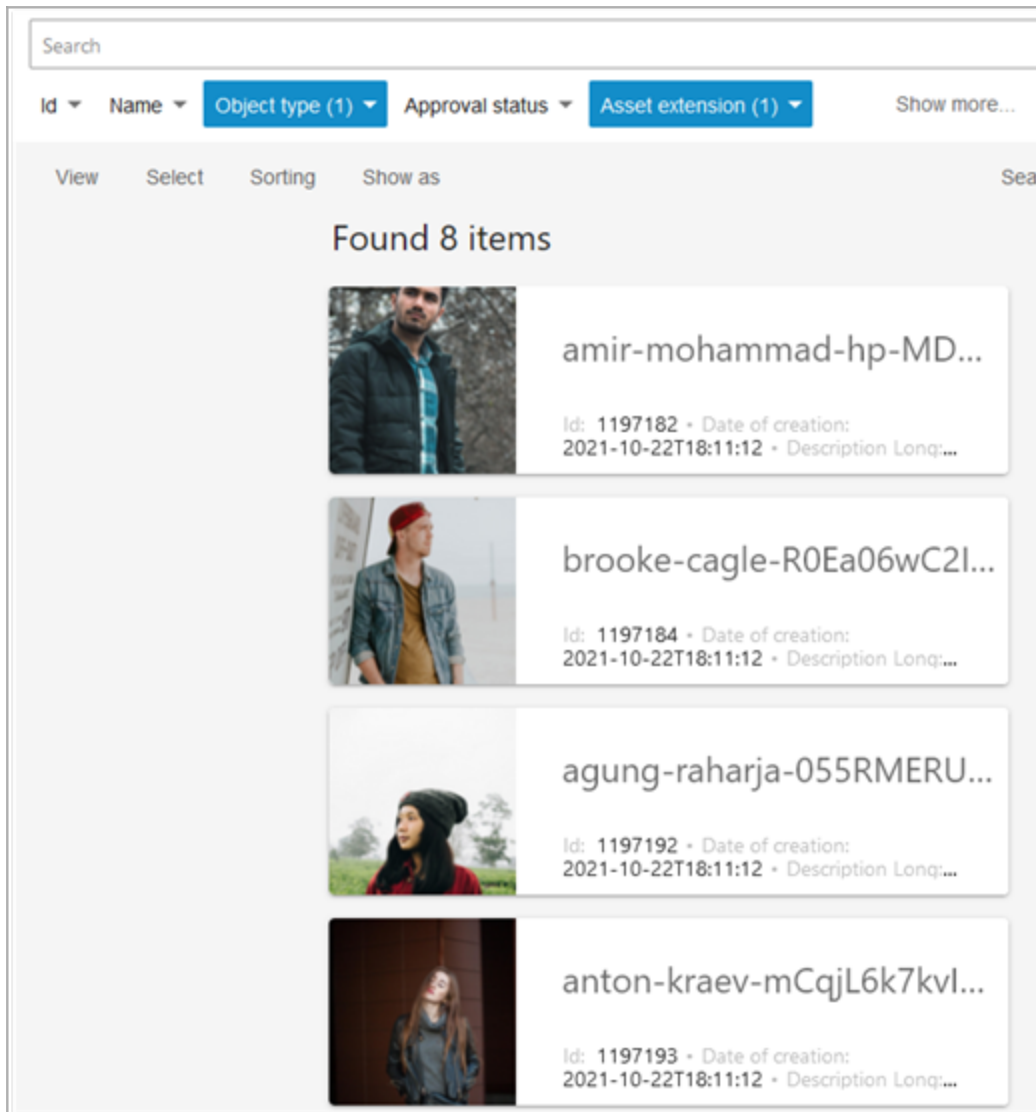
Improvements made to the faceted search solution in 10.3 require re-indexing of the data to continue using the solution. This means that customers with existing faceted search implementations must delete existing indexes and republish all data to Elasticsearch. This is necessary to implement new schema changes that support expanded functionality and use cases. For information on how to delete indexes and republish data, refer to the Elasticsearch Publishing topic in the Web User Interfaces documentation.

Elasticsearch is used by the Search Screen and is activated by the Faceted Search User Experience commercial license. Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

Details

Support for assets and a more comprehensive saved faceted search experience

In the faceted Search Screen, users can search for assets based on keywords, file properties, and other criteria, enabling product and asset managers to quickly find the assets they need to link to products and manage asset collections.



To enable this, administrators must update the Elasticsearch configuration to include asset object types and the relevant data specifications.

Along with this change, the saved faceted search capabilities have been expanded. Now, each user can better tailor their interface to optimally support both product and asset searches and can easily switch between their search experiences, allowing them to use an interface most relevant to the task at hand.

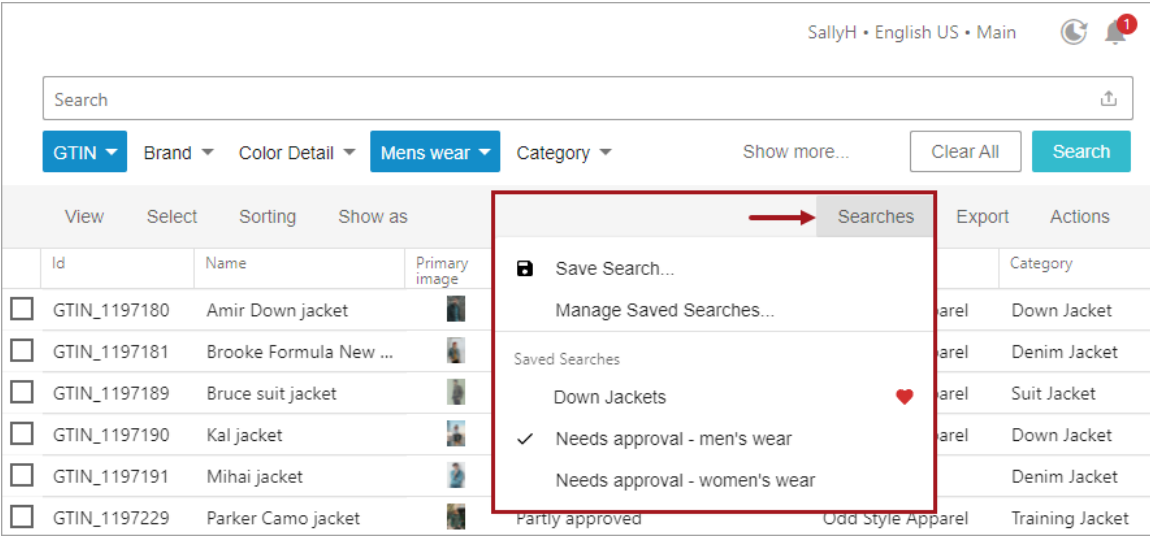
Previously, when saving a search, only the search bar text and the selections made within any facet were saved. Now, saved searches include a number of additional display settings so that a saved search contains the entire view configuration and interface, as well as the actual search criteria. This means that saving a search includes all of the following elements as part of that search:

- Text input in the Search bar
- Selections made within any facet

- Facets shown in the screen and their order (set via the 'Show more...' link)
- Data displayed on the screen and the order of it (set via the 'View' link)
- Display data in a table or in cards (set via the 'Show As' link)
- Applied sort order of the results (set via the 'Sorting' link)
- Size of the columns when a table view is used (set via manual adjustment)

Including display settings in saved searches allows users to easily and consistently access the search interface that is most relevant for their current task.

For example, a user can create a product-based search using a table layout that is filtered to specific brands or categories, with a number of product-relevant facets available to further refine the results and display data points of interest from the products. They can also create an asset-based search using a card layout displaying asset keywords and properties, with facets available to filter by extension, asset type, and resolution. Switching between these two layouts would previously have required adjusting the view, the available facets, the layout type, etc., individually, but can now be done by selecting a saved search.



For more information, refer to the search options in the Search Screen Search Configuration topic in Web User Interfaces documentation, which shows updated functionality introduced with release 10.3-MP4.

Support for supplier privileges

Support for supplier privileges has been added so that faceted search can be made available for supplier users while ensuring that they only have access to their own data.

With 10.3, 'Elasticsearch Permissions and STEP Privileges' is the only way to support privileges. The old 'Legacy Products Linked to Classifications' is no longer available, and the toggle to turn it back (i.e., re-enable the old functionality) has been removed.

If your system has the `Elasticsearch.FeatureToggle.UserGroupPermissions` property in the `sharedconfig.properties` file, remove the property prior to upgrading. Any online help that references this property will be updated with 10.3-MP1.

Increased limit on the number of faceted search fields published to Elasticsearch

To support users in finding results within additional attributes, to allow for more robust searches, and to better support searches across multiple data types, the default limit has been increased on the number of fields that can be published from STEP to Elasticsearch and returned as part of the faceted search results, and a new option allows including an unlimited number of searchable data points. Previously, it was only possible to select approximately 300 data points in STEP for publishing to guarantee that administrators remained below the 1k (per document) threshold set by Elasticsearch. This is because individual data points in STEP count as multiple fields in Elasticsearch due to considerations for units, searchable vs. viewable / facetable, etc. With the changes in this release, administrators can now select approximately 450 data points for publishing by default. Additionally, administrators can increase beyond the new default with assistance from Stibo Systems after evaluation on the performance and memory impact prior to raising this value. Contact your Stibo Systems representative to initiate this discussion if needed.

To provide this increased limit, new schema changes update the model for how documents are stored. As a result, **existing indexes must be deleted, and all data must be republished whether or not you intend to publish additional data points**. For information on how delete indexes and republish data, refer to the Elasticsearch Publishing topic in the Web User Interfaces documentation.

As part of this change, administrators can now distinguish between searchable and fully facetable / viewable data specifications, allowing for an unlimited number of full text search fields to be configured for search without impacting the overall limitations on the number of publishable fields. To clarify, data can now be published as full text search only, which means it cannot be used for sorting / filtering / faceting and cannot be shown within the results (e.g., displayed in the table or card view). However, when a user searches a term or string that matches data in a free text field, any objects with the match are returned as part of the result set. This allows administrators to add as many fields as needed to ensure that users are able to find the objects they are looking for. To enable this for any data specification, check only the 'Full Text' configuration option. Conversely, to ensure that data specifications are available for use as facets and available for inclusion in the results, check the new 'Displayed Data' parameter (which is checked by default for all existing data specifications to ensure backwards compatibility). If 'ID Query' or 'Default Facet' options are selected for any data specification, the 'Displayed Data' parameter is automatically selected since enabling these options requires that the data be published for full use.

Elasticsearch Configuration

Steps

1. Initial configuration
2. Event Processor configuration
3. Object Type
4. Publishing Business Condition
- 5. Data specifications**
6. Visible Business Actions

Data specifications

In this step, you define **data specifications** that represent STEP data in the Elasticsearch database. **Data specification** parameters allow you to configure your search experience using the Search Screen in Web UI.

[Add new](#)

Data Specification ID	Data Specification Type	User Group Permissions	Displayed Data	Full Text	ID Query	Default Facet	
BBtool_Utliggning	Node attribute		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.filename	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.format	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.extension	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.Author	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.gamma	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.colors	Node attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="X"/>
asset.creator	Node attribute		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="X"/>
asset.compression	Node attribute		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="X"/>

The previous 'Static Facet' configuration option has been renamed to 'Default Facet' for clarity, since this option is used to indicate data specifications that appear as facets on the screen by default. Additionally, robust tool tips when hovering are available for each header in the configuration table to provide detailed, in-line descriptions of the configuration options to better support administrators in making configuration decisions.

For more information, refer to the Creating an Elasticsearch Configuration topic in the Web User Interfaces documentation.

Restrict the available business actions in faceted search by user group

To provide a more streamlined and user-friendly experience for end users, administrators have been given the option to restrict the actions available to each user group so that end users only view the actions that are relevant for them to execute from the faceted Search Screen. In the following image, four business actions are configured for use in the Search Screen.

Elasticsearch Configuration

Steps

1. Initial configuration
2. Event Processor configuration
3. Object Type
4. Publishing Business Condition
5. Data specifications
- 6. Visible Business Actions**

Visible Business Actions

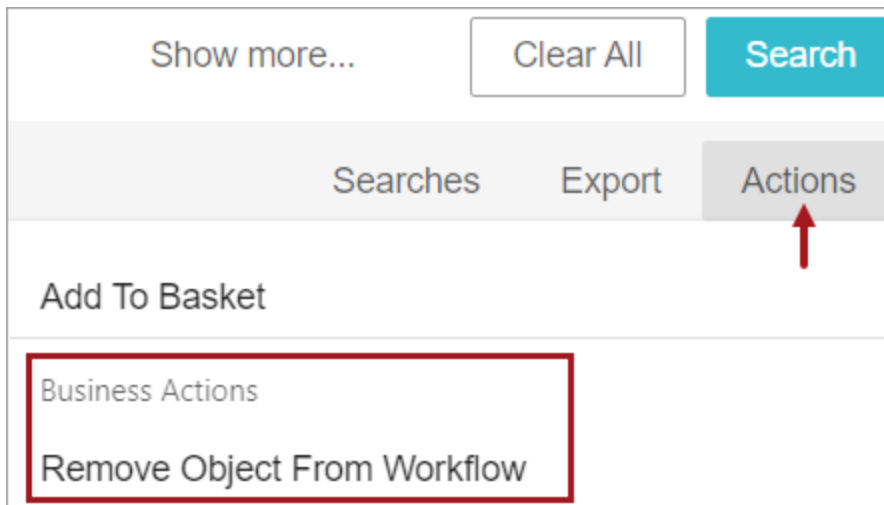
In this step, you define **business actions** that will be visible on the search screen. You are allowed to limit the visibility of each **business action** to chosen **user groups**.

Hide all Business Actions

[Add new](#)

Business Action ID	Business Action Title	User Group Restrictions	
RemoveObjectfromWF	Remove from Workflow		<input type="button" value="X"/>
GDSNMoveStateOnCICRAck	GDSNMoveStateAck	Admin	<input type="button" value="X"/>
GDSNMoveStateOnCICRException	GDSNMoveStateException	Admin	<input type="button" value="X"/>
ETDTActionWLocalPreCon	ETDTActionWLocalPreCon	Admin	<input type="button" value="X"/>

In the Search Screen, using the configuration above, members of the Admin user group view all four business actions, while users without Admin privileges (as shown below) only view the business action without restrictions ('Remove from Workflow'). Business actions are enabled when at least one relevant object is selected from the faceted Search Screen results.



Previously, all actions that a user was privileged to execute were visible in the Actions dialog, and those that were also relevant for one or more selected objects in the result set were enabled. With this change, administrators can now restrict the available business actions by adding specific actions to the configuration. If actions are added without a User Group Restriction, they are available for all users who have appropriate privileges. For actions that should be restricted only to particular groups, select only the groups who require access, thus hiding the actions for any user groups not listed in the configuration. In the images,

The 'Visible Business Actions' parameter can be accessed from the Elasticsearch Configuration wizard during initial configuration and is also available via the 'Visible Business Actions' flipper within the Elasticsearch Configuration Type object.

For more information, refer to the Creating an Elasticsearch Configuration topic in the Web User Interfaces documentation.

Updated to latest versions of Elasticsearch and Kibana

To continue our commitment to serve the needs of users that use Elasticsearch and Kibana for searching for and analyzing faceted search data, this release supports version 7.14.0 of Elasticsearch and Kibana.

For more information on Elasticsearch and Kibana, refer to the Initial Setup for Elasticsearch topic in the Web User Interfaces documentation.

General Enhancements and Changes

Summary

The following enhancements and changes have also been made as part of the 10.3 release. These are outlined below and described in the Details section that follows.

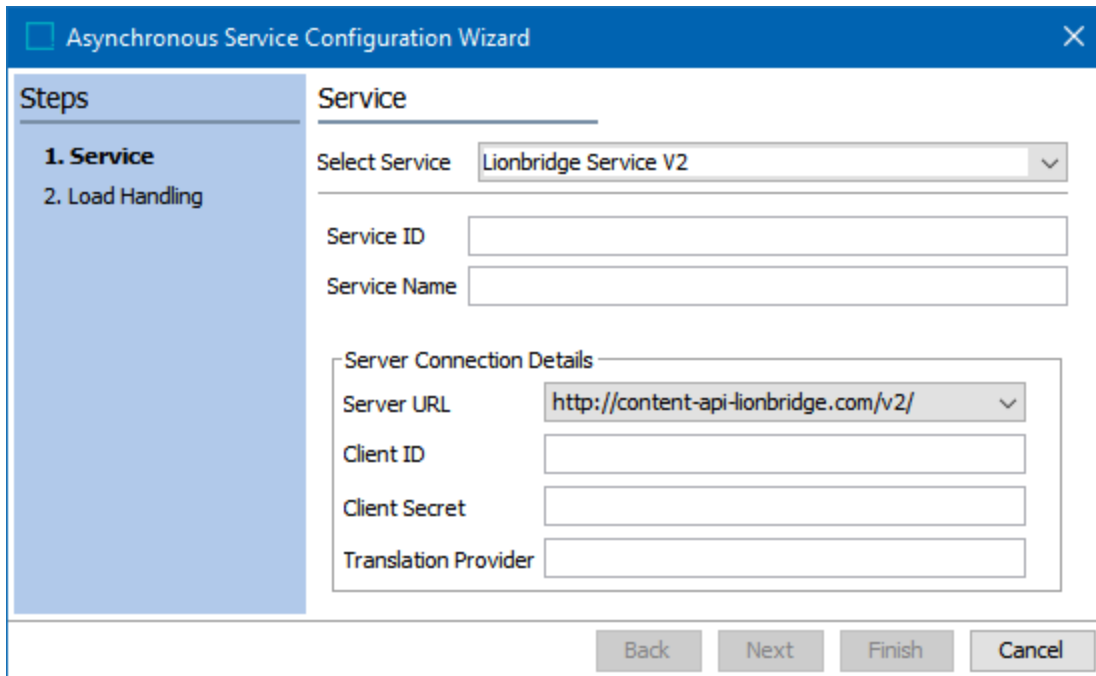
- Translation services now includes support for **Lionbridge APIv2**.
- There is a new way of handling **duplicate unique keys** when importing in STEPXML.
- Images in **SVG format** now display previews in both the workbench and Web UI.
- The new '**Business Function for Syndigo Request**' parameter enables users without country / language dimensions for country-dependent data to display available information from Syndigo.
- **JavaScript performance** and the way business rules cache data have been improved for a more efficient process.
- New asset file type configurations are available.
- Improvements have been made to execution reports when using **Cassandra**.
- **Queued BGP**s are now prioritized for execution for better utilization of server resources.
- A number of **calculated attributes** are implemented to expand the type of data that is returned to populate the values.
- Performance improvements have been made to **image metadata parsing**.
- **CORS** configuration property now available.

Details

Support for Lionbridge APIv2

Starting with the installation of or upgrade to 10.3, customers that utilize Lionbridge as their translation service provider can use APIv2, the latest API provided by Lionbridge and supported in STEP.

Lionbridge is scheduled to discontinue support for their APIv1 in Q2 2022, and Stibo Systems recommends customers contact their Lionbridge representative in order to access an APIv2 staging environment for testing purposes before using the new service on production systems.



For more information, refer to the Configuring an Asynchronous Translation Service topic in the Asynchronous Translations section of the Data Integration documentation.

Lionbridge is activated by the Translation Service Connector commercial license, which allows for the enablement of the applicable system license and component that is required to access the functionality. Contact your Stibo Systems' account manager to begin the process of enabling a license or licenses for your system. If upgrading to 10.3, the most recent version of the 'lionbridge' add-on component must be added to the STEP system. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

New way of handling duplicate unique keys when importing in STEPXML

When creating new objects via a STEPXML import file, if the same unique key value exists more than once, the system will now create the one intended object, ignore the duplicate unique key, and proceed with the import. Additionally, if different unique key values exist for the same object in a STEPXML file, no object is created and an informative error message displays letting the user know how to fix the problem before importing again.

Execution Report

- 1 Retrieval started (Tue Aug 31 13:30:30 EDT 2021)
- 2 Retrieved 360 bytes (Tue Aug 31 13:30:30 EDT 2021)
- 3 Conversion started (Tue Aug 31 13:30:30 EDT 2021)
- 4 Converted 1 objects (Tue Aug 31 13:30:30 EDT 2021)
- 5 Logged on
- 6 Mapping started (Tue Aug 31 13:30:30 EDT 2021)
- 7 Mapping completed (Tue Aug 31 13:30:30 EDT 2021)
- 8 Import Started
- 9 Logged On
- 10 Using import mode "domain"
- 11 Starting first import pass (creating system setup objects)
- 12 Starting second import pass (importing data)
- ! 13 org.xml.sax.SAXException: An error occurred because the attribute ID= "Supplier_Part_No" is listed more than once on the imported STEPXML with different values. Delete the instance(s) with the incorrect value(s) and import again.**

⏪ ⏴ 1-13 of 13 ⏵ ⏩ Save... Truncate

For more information, refer to the Creating Objects with Active Keys topic in the Web User Interfaces documentation.

Enhanced support for SVG image formats

Images in Scalable Vector Graphics (SVG) format now display in both the workbench and Web UI. Previously, images in SVG format were supported in STEP by adding the 'DocumentContent.ExtensionToMimeType.svg= image/svg+xml' property to the sharedconfig.properties file though previews were not available in the workbench or in Web UI. This is no longer the case. New packages have been created for GraphicsMagick and Ghostscript to support the SVG format. Adding the property to the sharedconfig.properties file is no longer required to support SVG images, and the image/svg+xml MIME type has been added to the 'Mime types LOV editor'.


Users can now view SVG image previews in the workbench as thumbnails and in the pop-up image viewer. In Web UI, users can now view SVG image previews on the Asset Preview Screen, Asset Representation component, Referenced Asset Representation component, and on Thumbnail headers, of which there is no size restriction, for all Node List display modes. Previewing SVG images aids users in determining if the image is suitable for publication. Pictured below is an SVG image as a thumbnail in the workbench and on the Asset Preview Screen in Web UI.

← paisley rev.6.0 - Images & Documents →

Images & Documents | References | Referenced By | Status | State Log | Tasks

Description

Name	Value
ID	1324611
Name	paisley
Object Type	Product Image
Revision	6.0 Last edited by USERL on Wed Sep 01 14:46:06
Approved	✘ Never Been Approved
Translation	Not Translated
Path	Classification 1 root/Assets/Product Images/P/paisle




System Properties:

Name	Value
Extension	abc svg
Filename	abc paisley.svg
Format	abc SVG (Scalable Vector Graphics)
MIME Type	abc image/svg+xml
Size	abc 17,409
Upload Time	abc 2021-09-01 14:46:06

Asset Preview Screen

Clear all ...

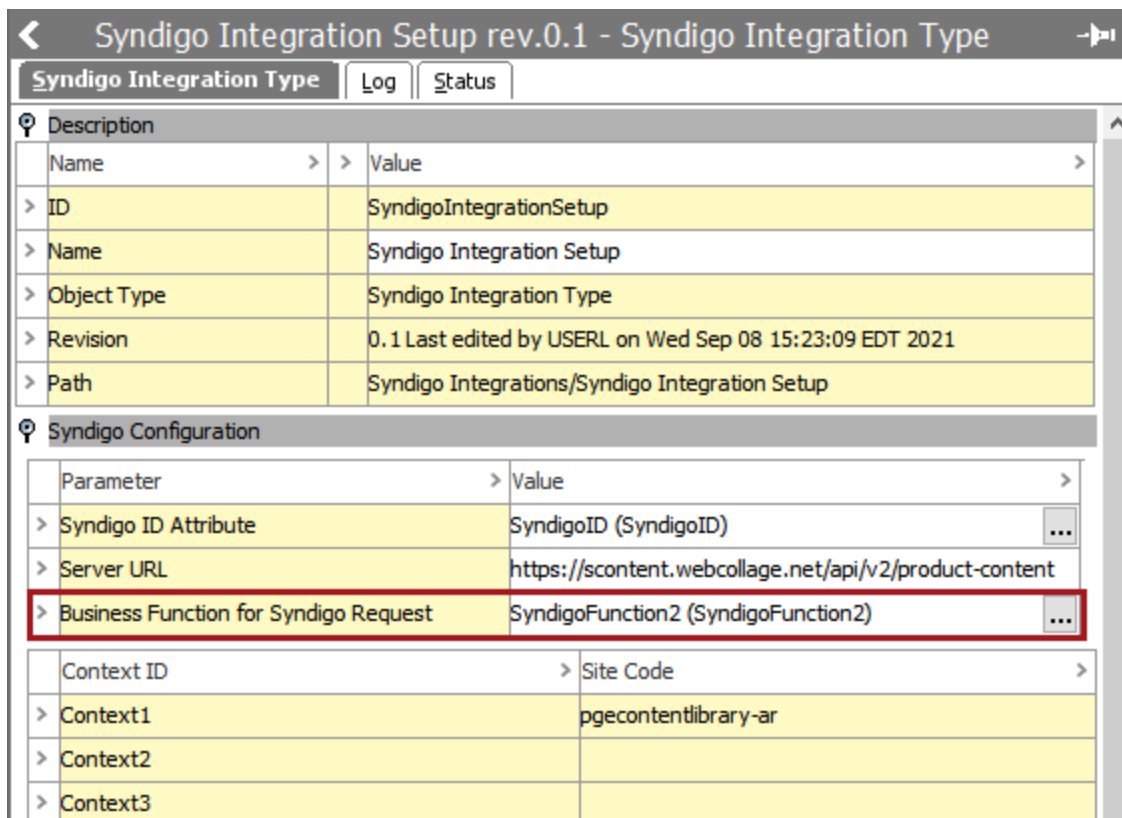


Selected items: 1 Medium icons ▾

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

New business function option for Syndigo

The new optional business function, 'Business Function for Syndigo Request,' is available for Syndigo Integration. Previously, integration with Syndigo allowed for one site code per context, with the assumption that country and language dimensions were used for country / language –dependent data. However, dimensions are not required for country / language -dependent data in STEP. The new 'Business Function for Syndigo Request' parameter is located under the 'Syndigo Configuration' flipper on the Syndigo Integration Type tab. Configuring a business function enables users without country / language dimensions for country–dependent data to display the available information from Syndigo. When both a context and the business function are configured, the business function takes precedence. The flexibility to use context or a business function to integrate with Syndigo provides more retailers access to the enhanced marketing content from Syndigo, regardless of their data model.



Syndigo Integration Setup rev.0.1 - Syndigo Integration Type	
Log Status	
Description	
Name	Value
ID	SyndigoIntegrationSetup
Name	Syndigo Integration Setup
Object Type	Syndigo Integration Type
Revision	0.1 Last edited by USERL on Wed Sep 08 15:23:09 EDT 2021
Path	Syndigo Integrations/Syndigo Integration Setup
Syndigo Configuration	
Parameter	Value
Syndigo ID Attribute	SyndigoID (SyndigoID) ...
Server URL	https://scontent.webcollage.net/api/v2/product-content
Business Function for Syndigo Request	SyndigoFunction2 (SyndigoFunction2) ...
Context ID	Site Code
Context1	pgecontentlibrary-ar
Context2	
Context3	

The Syndigo functionality is activated via the Syndigo / Webcollage commercial license, which allows for the enablement of the applicable components required. Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

For more information, refer to the Adding Rich Marketing Content from Syndigo topic in the Product Editor Screen section of the Web User Interfaces documentation.

JavaScript performance improvements

Customers rely on JavaScript to execute complex validations, automation, matching, and a variety of other functions. Performance improvements have been made so that STEP validates these actions even faster.

Now, when a business rule is run, the cache is checked to ensure that the most up-to-date business rule is being used. When a change is made to the business rule, the cache is updated after the change, thereby ensuring that when the business rule is executed, it is using the most recent information.

Additionally, Rhino has been updated to the latest version, 1.7.13.

For more information, refer to the JavaScript Function Operation topic in the Business Functions section of the Business Rules documentation.

Enhanced asset file configurations

It is now possible to specify valid asset file names via a new configuration property, 'Asset.FileName.LegalCharacters='. Only files with file names that contain the characters defined in the configuration property will be uploaded, irrespective of the upload method.

Additionally, it is possible to define a whitelist of allowed asset content MIME types with the configuration property 'Asset.FileName.LegalExtensions='. For example, to allow only JPG and PNG types for asset content, set the configuration property to 'Asset.FileName.LegalExtensions=jpg,png.' If no MIME types are specified, then all asset content MIME types are allowed.

Cassandra execution report improvements

Several improvements have been made to the execution reports when using Cassandra.

There is a new configuration property for migrating file-based execution reports to Cassandra. The 'DataMigration.ExecutionReport.Cassandra.MigrateFromFileBased=' configuration property is set to 'false' by default. By setting the value to 'true,' the execution reports are migrated and stored in the Cassandra database.

When the property for storing the reports in the Cassandra DB is enabled, the 'Truncate' button on execution reports is hidden.

New background process execution management framework

To limit the need for complex manual configuration and allow for better utilization of server resources, STEP 10.3 introduces a new mechanism for managing the execution of background processes (BGPs). This new functionality is in ramp-up status and will be rolled out gradually. It will initially be enabled for selected new SaaS deployments. To learn more about the ramp-up phase / status, refer to the License and Component Lifecycle in the System Release and Patch Notes section of online help.

Previously, the mechanism for managing the execution of BGPs used queues that BGPs were assigned to based on the background process type and owner (i.e., event processor, OIEP, IIEP) and for which the degree of parallelism can be configured. The new mechanism abandons the queue concept and instead selects BGPs to start across all BGPs waiting to be executed.

Waiting BGPs can be prioritized for execution based on two criteria: creation time and a priority that can be set for event processors, OIEPs, and IIEPs (for the latter two, the configurable priority is for the 'worker' BGPs started by the endpoints). The application server capacity will determine how many BGPs can run in parallel.

Users privileged with the 'View Background Processes of Other Users' setup action can monitor the process execution via a new editor available from the STEP Workbench BG Processes navigator tab.

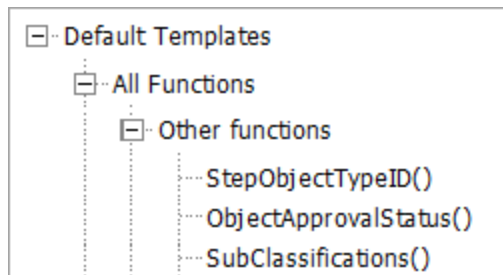
With the new mechanism, there is also a change to how threads are assigned for processes that make use of the parallel framework in STEP. While previously the number of threads was assigned statically per background process queue, the number of threads per BGP will be dynamically assigned when a BGP starts, dependent on the relevant application server's available resources.

For more information on the new mechanism for BGP execution, refer to the BG Processes Execution Management topic in the Background Processes and Queues section of System Setup documentation.

New Calculated Attributes

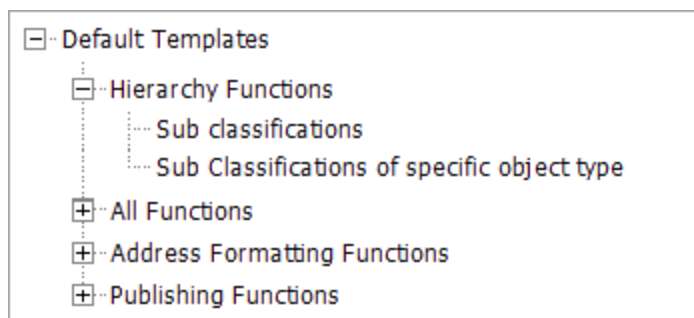
A number of functions have been implemented that allow users to work more effectively with calculated attributes and better meet customer expectations around what information can be provided via calculated attribute. These functions are inserted in the Value Template field of a calculated attribute. They can be selected in the Function Editor in STEP Workbench under Other Functions, which is beneath All Functions, and evaluated within the editor.

- Function 'StepObjectTypeID()' returns the object type ID of the current object.
- Function 'ObjectApprovalStatus()' returns the approval status of the current object.
- Function 'SubClassifications()' returns sub classifications of a classification.



Further, some functions are created under Hierarchy Functions beneath Default Templates.

- Function 'Sub Classifications' returns a comma-separated list with IDs of Sub Classifications for the current classification. It returns the manual sort sequence if it has been sorted manually. The function template is 'list(iterate(subclassifications(),'stepid()'),'')'.
- Function 'Sub Classifications of specific object type' returns comma-separated list with IDs of Sub Classifications for the current classification with a specified object type. It returns the manual sort sequence if it has been sorted manually. The function template is 'list(iterate(filter(subclassifications(),"exact(stepobjecttype(),[ObjectType]")), 'stepid()'),'')'.



For more information, refer to the Calculated Attributes in the Attributes section of the System Setup documentation.

Improved performance for image metadata parsing of JNG, PNG, and TIFF formats

Java code is now used by default to parse metadata for image formats JPG, PNG, and TIFF. This is an alternative to the previous method of using output from GraphicsMagick. This change greatly improves the upload speed for importing assets which is especially important to customers importing large numbers of assets and/or large assets.

The `Image.Content.JAVAParser` property for the `sharedconfig.properties` was previously introduced for customer-specific solutions. Now, the property is not needed since the functionality is part of baseline code.

New Cross-Origin Resource Sharing configuration property

A new configuration property allows preset external origins to have permission to access the STEP GraphQL endpoints and the OpenID Connect configuration endpoints exposed when OAuthSSO is enabled. Cross-Origin Resource Sharing (CORS) is set via the property 'Http.Security.AllowOrigin=' in `sharedconfig.properties`. The property accepts a comma-separated list of origins or an asterisk as a wildcard. A single origin is comprised of scheme, host, and port (optional). If the origin in the request matches one of the listed origins, or a wildcard is specified, then the server will respond with 'Access-Control-Allow-Origin' header set to the value of what was sent in the origin header. By default, no external origins are allowed.

Web UI Enhancements and Changes

Summary

The following enhancements have been made to the Web User Interface:

- Business functions for custom reference target search can now be configured without JavaScript by using the new user-friendly **Query Template Builder** interface.
- A few **styling improvements** were made for an easier user experience.
- A number of **visual improvements** have been implemented that result in a more efficient user experience.
- The email field on the **Forgot Password** screen is no longer case-sensitive.
- Users can now view language-dependent attributes translated for different contexts when using the Search from List option in the **Advanced Search** screen.
- The **Approved workspace** now has a clear indicator to better notify users what workspace they are in.
- There is a new **Locale Global Representation** component that controls which locales are available to end users.
- Updates were made to allow users to **save searches** more efficiently in Advanced Search, enabling them to quickly navigate to previous searches and share important searches with colleagues.
- Users are now able to configure **List Of Values (LOV) filters** on the Attribute Management screen.
- Visual improvements have been implemented on **Asset icons**.
- **Select Node(s)** dialog now displays both the name and ID of the objects in Add Reference Action.
- Visual improvements have been implemented on **help messages and notifications**.
- Excel exports now supports **Node List** sort order.

Details

Custom Reference Target Search now enhanced with Query Template Builder

The configuration of a custom reference target search (introduced with 10.2) is now simplified with the new Query Template Builder interface, which allows creating and visualizing search queries from a business function. This allows a high degree of control over which options are presented to the user when selecting the target of a reference. Removing the need for JavaScript makes it easier to optimize the user experience of reference selections across all of Web UI by generating a custom search that includes only the required reference types for a Web UI reference selector. The Query Template Builder includes input parameters (such as the current node and search string) and query variables (for example, a business function to get a node's parent or object type), and it allows searching via a number of criteria. The full list of search criteria options, which can be grouped as needed, includes attribute, hierarchy, ID, name, and object type. Additionally, further restrictions are set on search results using the Node Picker or Variable options. The query can be validated against live data using the Test Query button.

The screenshot shows the 'Query Template Builder' window with the 'Search' section highlighted. It contains the following components:

- Input Parameters:** A table with columns 'Parameter name', 'Type', and 'Description'.

Parameter name	Type	Description
currentNode	Node	
string	String	
- Query Variables:** A table with columns 'Query Variable Name', 'Query Variable Type', and 'Return Type'.

Query Variable Name	Query Variable Type	Return Type
currentNodeWallMountType	Business Function: getWallMountType	String
- Search Criteria:**
 - Attribute Criteria:** Attribute: 'WallMountType (WallMountType)', Comparison: 'Equals (=)', Variable: 'currentNodeWallMountType'. Note: 'Will be compared as: LOV Value'.
 - Hierarchy Criteria:** Below: 'TV Stands, Mounts & Storage (I-WebLevel2-25)'.
 - Criteria Group:**
 - Where:** Name Criteria: 'Like', Variable: 'string'.
 - Or:** ID Criteria: 'Like', Variable: 'currentNode'.

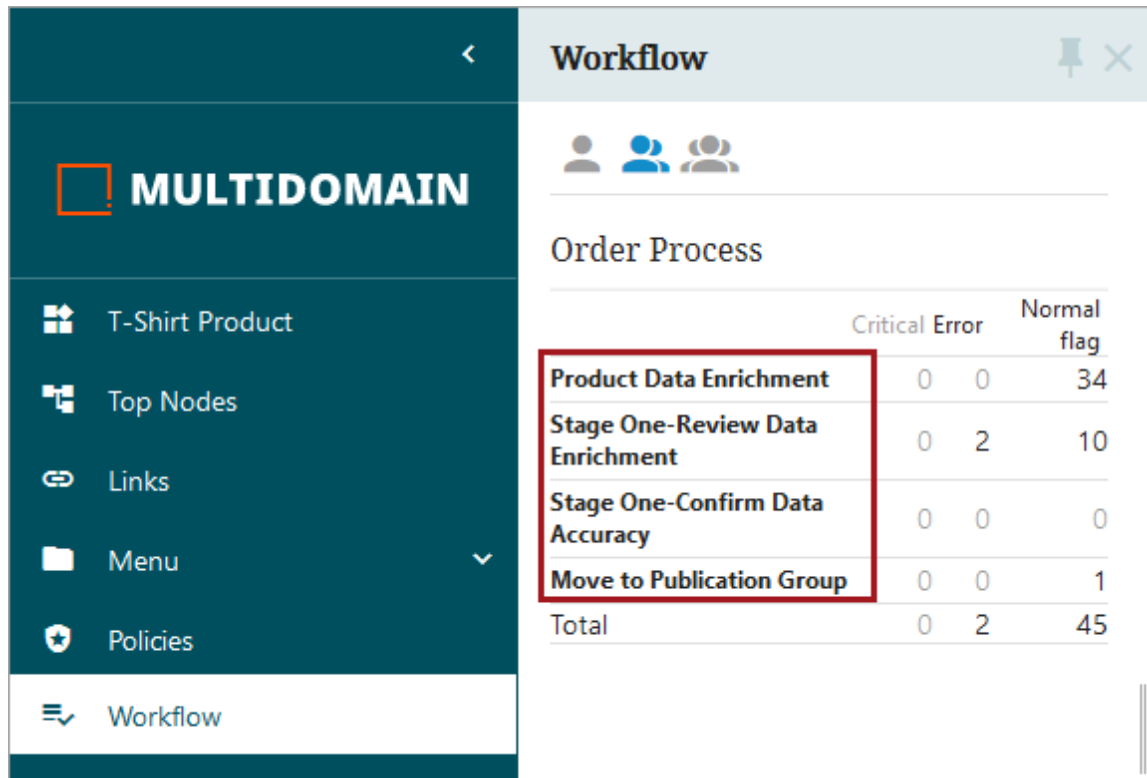
Buttons at the bottom: Save, Test Query, Cancel.

For more information, refer to the Custom Reference Target Search topic in the Web User Interfaces documentation. Also, refer to the Query Template Builder Operation topic in the Business Functions section of the Business Rules documentation.

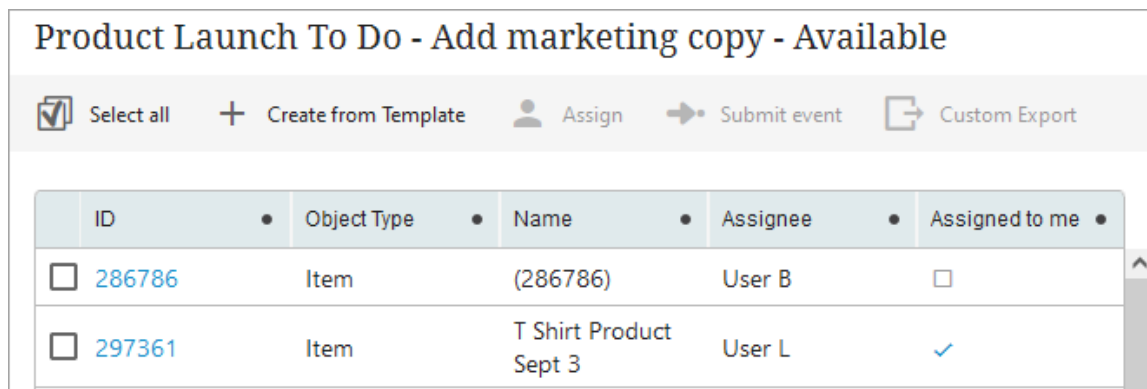
Enhanced Web UI styling improvements

A number of styling improvements in Web UI have been implemented, enabling users to have a better user experience and an increase in productivity. They include the following:

- The full workflow state name is now visible when status flags are enabled using the Status Selector on the Global Navigation panel. This enables the user to quickly view which states have tasks that need attention.



- Table headers have been updated with sans-serif font that is smaller in size, which provides for better readability. The image below displays an example of a Task List screen.



Enhanced visual improvements throughout Web UI

A number of updates have been implemented that result in an improved and more efficient user experience while working in Web UI and when accessing other Stibo Systems Enterprise Platform (STEP) login screens. These updates include:

- The Web UI Title parameter has been removed from the designer on the login screen as it is no longer necessary with the System.Display.Type configuration property introduced in 10.2.

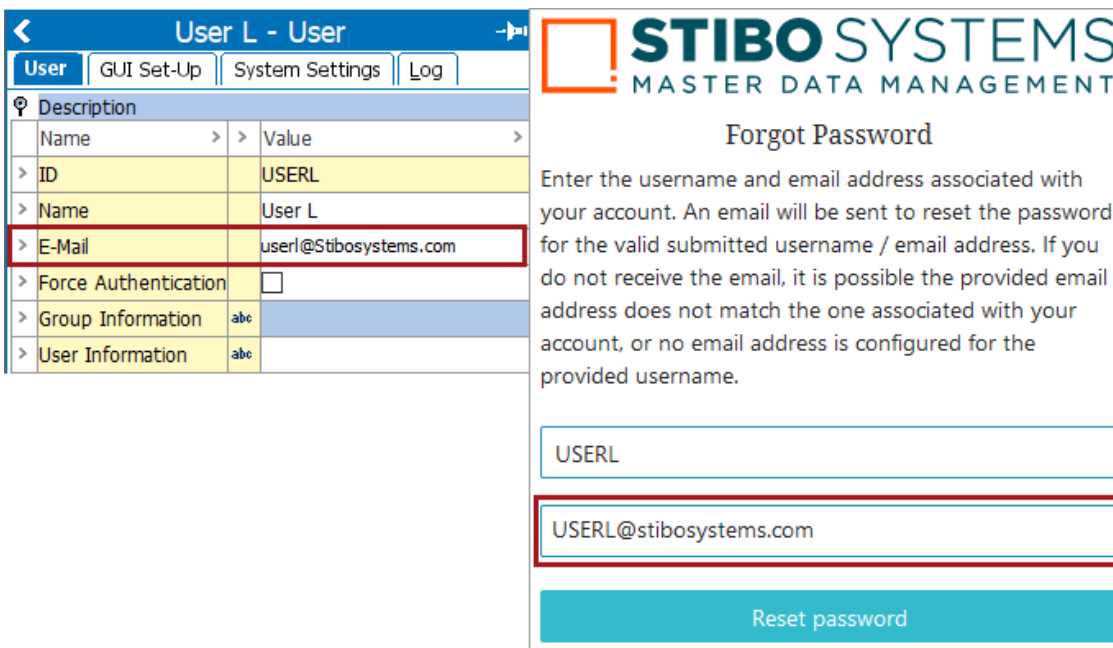
- There is now more space allowance on the login screen to accommodate larger logos.
- There is consistency in the look and feel when adding multiple values to tables and dialogs, such as in the Advanced Search screen, Multi Edit Display Mode, and the Application Manager Screen for Automotive.
- Informational and disabled texts now display consistently according to their types across Web UI.
- The Start Page has been updated to include a specific section titled 'Workbench' to separate workbench link(s) from Resources for better visibility.
- The Node Details page displays read only text more concisely.
- Help text in the Web UI designer on the Web Style tab has been updated.

Additionally, the following items have been updated in accordance with new branding guidelines and to better align with Product Data Exchange (PDX) login screens:


- STEP API Documentation login screen
- STEP Documentation login screen
- STEP System Administration login screen

Forgot Password settings are no longer case sensitive

The email field on the Forgot Password screen is no longer case sensitive. After the user enters their username and email to retrieve their login credentials, the user will now receive the reset email based on email address correctness and not its case sensitivity. This enables users to regain access to their accounts faster and resume productivity.



User L - User	
Description	
Name	Value
ID	USERL
Name	User L
E-Mail	userl@stibosystems.com
Force Authentication	<input type="checkbox"/>
Group Information	abc
User Information	abc



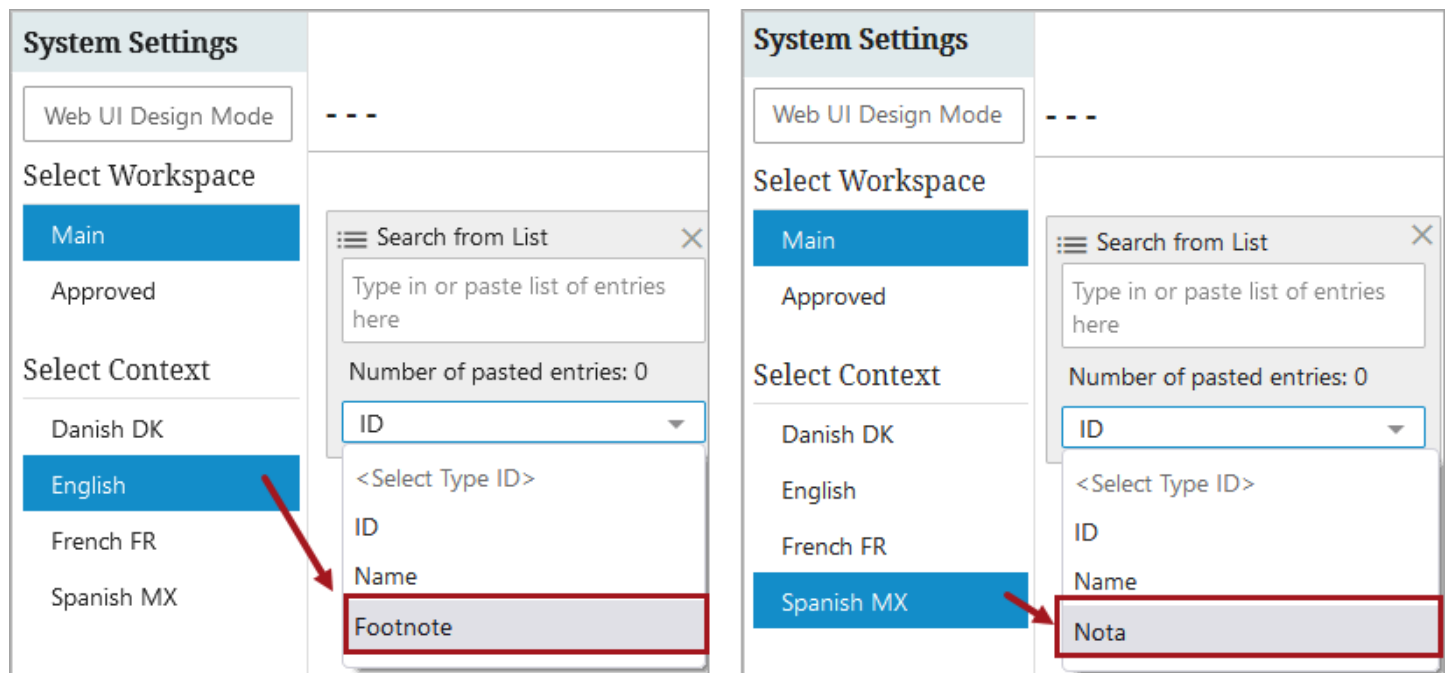
Forgot Password

Enter the username and email address associated with your account. An email will be sent to reset the password for the valid submitted username / email address. If you do not receive the email, it is possible the provided email address does not match the one associated with your account, or no email address is configured for the provided username.

For more information, refer to the Accessing a Web UI topic in the Web User Interfaces documentation.

Improved attribute translation for Search from List in Advanced Search

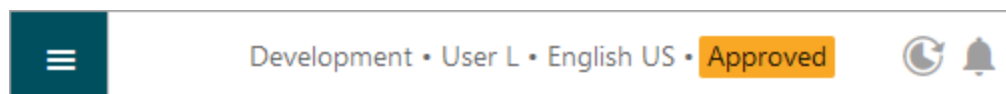
Users can now view language-dependent attributes translated for different contexts when using the Search from List option in the Advanced Search screen. Previously, after saving a search, changing contexts, and starting a new or using a saved search using the Search from List option, the newly selected context was not honored. This update ensures accuracy of shared information and searches within a business but also eliminates the need for inconvenient actions, such as having to log out and log back in, to view the proper context.



For more information on how to use Advanced Search and saving searches, refer to the Using Advanced Search topic in the Using a Web UI section of the Web User Interfaces documentation.

Updated indicator for Approved workspace in Web UI

The Approved workspace indicator in Web UI is now clearly highlighted to notify users that they are working in the Approved workspace. This updated indicator will benefit users who need to easily distinguish between workspaces while working in multiple workspaces simultaneously.



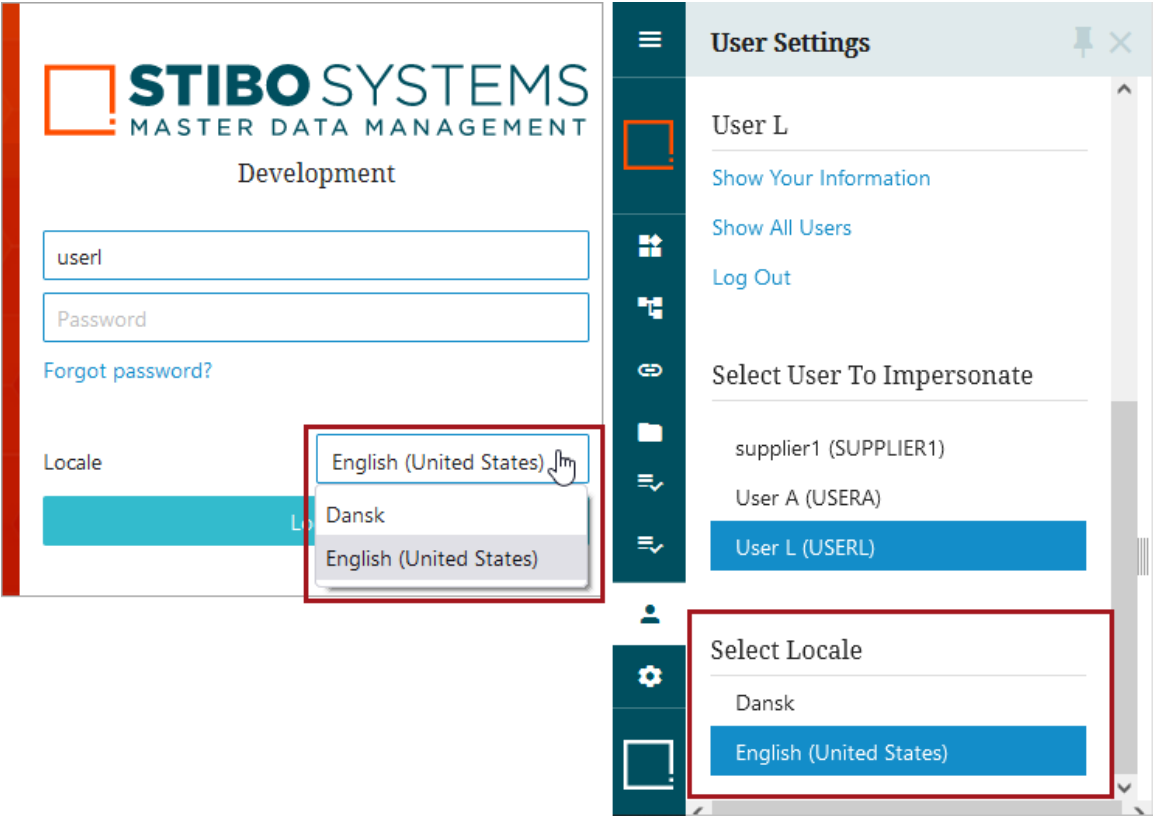
For more information, refer to the Web UI Settings topic in the System Setup documentation.

New Locale Global Representation component to replace Locales Selector child component

There is a new Locale Global Representation component that controls which locales are available to end users. Previously, the Locale Selector child component on the Login Screen in Web UI controlled which

locales appeared in the dropdown list on the Web UI login page but did not control the Select Locale section of the User Settings menu on the Global Navigation Panel. This created confusion for end users who saw different options in each area. This problem has been fixed with the new Locale Global Representation component, which replaces the Locale Selector child component. Administrators can configure this component to control the allowable locales for end users in both the dropdown on the login page and in the Select Locale section of the User Settings menu in the Global Navigation Panel, thus alleviating confusion.

In the example below, the locales for English and Danish were configured using the new Locale Global Representation component.



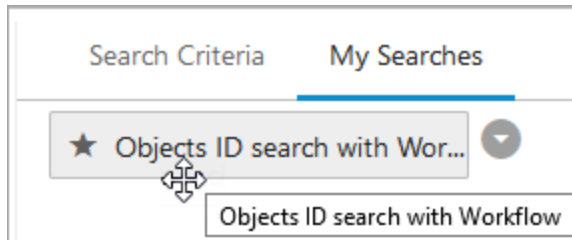
For backwards compatibility, users who have already configured the old Locale Selector child component on the Login Screen will still be able to use it as designed but are encouraged to use the new Locale Global Representation component. If both the old Locale Selector child component on the Login Screen and the new Locale Global Representation component are configured, the Locale Global Representation component will take precedence.

For more information on setup and how to use the Locale Global Representation component, refer to the Localization topic in the Administration Portal documentation.

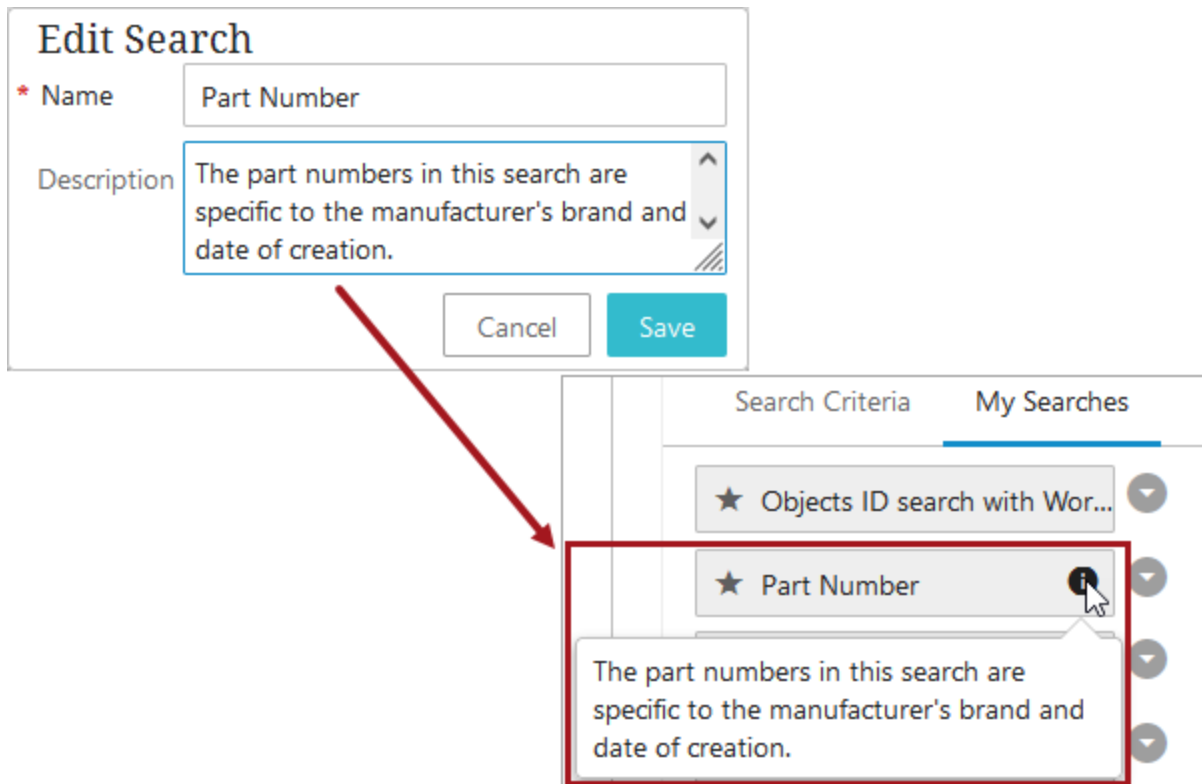
Enhancements to saving searches in Advanced Search

The following enhancements enable users to save searches more efficiently in Advanced Search allowing them to quickly navigate to previous searches and share important searches with colleagues.

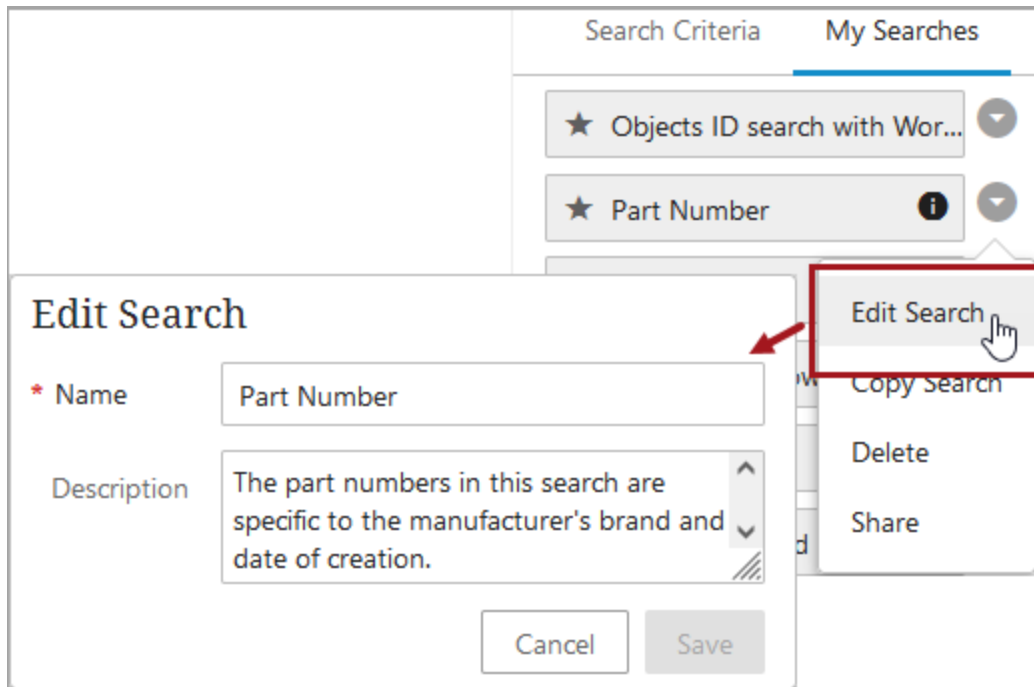
- The full name of a saved search is now visible when hovering over a long name that is truncated with ellipsis.



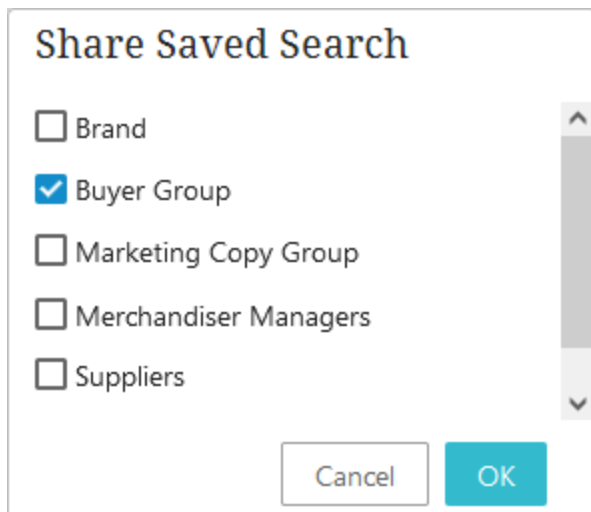
- The Name parameter was always mandatory when saving a search, but there is now an indicator notifying the user that it is a mandatory field. Also, a new description field displays under the name when saving a search. Users can add additional information about the search, which is displayed by clicking on the information icon. The information icon only displays when a description is present.



- The Rename button that allowed a user to update a saved search's name has been renamed to Edit Search. This new name reflects that a user can now edit the Name and Description fields of a previously saved search.



- When selecting to share a saved search with other user groups, the Share Saved Search dialog now displays a scroll bar whenever the size of the list exceeds the user's screen height. Additionally, the OK and Cancel buttons are now always visible and able to be selected.



- A message displays if there are no user groups available to share a saved search.

Share Saved Search

No user groups

Cancel OK

- If a user modifies an existing search, it is now very clear to the user which option they are choosing. They can save the search as a new search, and the buttons will reflect Cancel or Save, or they can Overwrite the existing search, and the buttons will reflect Cancel or Overwrite. Additionally, to prevent from accidentally overwriting an existing search, the default for the Save Search dialog when opened is to Save it as a new search.

Save Search

Save as new search

* Name KeyLetter and Object Types

Description Key Letter attribute search

Overwrite existing search

Cancel Save

Save Search

Save as new search

Name KeyLetter

Description Key Letter attribute search

Overwrite existing search

Cancel Overwrite

- The Clear button on the Advanced Search screen fully clears all current searches without having to refresh the page.

For more information on Advanced Search, refer to the Advanced Search topic in the Using Web UI section of the Web User Interfaces documentation.


New LOV filtering available on the Attribute Management Screen

It is now possible to filter List Of Value (LOV) attributes on the Attribute Management Screen. On the Attribute Details tab on the Attribute Management Screen, there is a new filter that displays next to the List of Values parameter. A user can click on the filter and further define from the main LOVs which values are to be used.

Attribute Management

Attribute Details Validity Link Editor

Validation Base Type: List of Values

* List of Values: Tent Color (Tent Color) 

Multi valued

Control Type

* Hierarchical Filtering

Filter List Of Values Filter LOV

Available List Of Values

- Blue (Blue)
- Green (Green)
- Red (Red)
- White (White)

> <

Filtered List Of Values

- Blue (Blue)
- Green (Green)
- Red (Red)


Values originate from Tent Color (Tent Color)

Additionally, under child component in the designer, the user can now add the 'Hierarchical Filtering' child component. This Hierarchical Filtering child component enables the user to specify if it should be possible to filter the LOV for Product and Classification hierarchies, just Product hierarchies, or no hierarchies.

Attribute Management

Attribute Details Validity Link Editor

Validation Base Type: List of Values

* List of Values: Tent Color (Tent Color) 

* Hierarchical Filtering

Product and Classification Hierarchy

Product Hierarchy Only - Any Classification Hierarchy filters in use will be deleted

None - All filters in use will be deleted

If selected for either the Product or Classification hierarchies, the 'Filter List of Values' button on the Link Editor tab is available in the appropriate Product and/or Classification table. Based on the Hierarchical Filtering selection, a new LOV Filter column will display to notify the user if filters are in use for any linked product(s) or classification(s).

Attribute Management

Attribute Details Validity **Link Editor** Title Title

Valid in Products

	ID	LOV Filter	(AttributeComp...	Condition
<input checked="" type="checkbox"/> Camping	287956	Active		

Having the ability to now efficiently manage each LOV attribute value saves the user productivity time and allows them to stay focused in Web UI.

For more information, on maintaining attributes and LOVs in Web UI, refer to the Attribute and LOV Creation and Maintenance in Web UI topic in the Using a Web UI section of the Web User Interfaces documentation.

New icons for assets

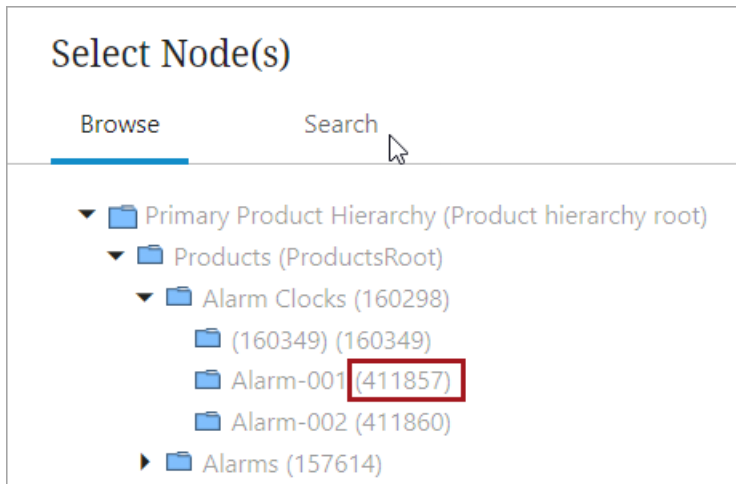
Standard icons for the file formats of Excel, Word, text (such as .CSV or .TXT), PowerPoint, HTML, email (such as .MSG), and media files (such as .MP4) are now displayed for assets in both workbench and Web UI. The file format icons are shown as the asset's thumbnail in workbench and in the Web UI image viewer. These icons make it easier for a user to confirm the type of asset being reviewed and selected. Previously, these file format indicators were not rendered in workbench or Web UI.



For more information, refer to the Assets topic in the Getting Started / Object Maintenance in Tree documentation.

Add Reference Action now includes IDs

In Web UI, the Select Node(s) dialog (shown when clicking on the Add Reference Action button) now displays both the name and ID of the objects in the displayed hierarchy. The ID will be displayed within the parentheses. Including the object ID by default gives users one more way to confirm they are choosing the intended item from a hierarchy. Previously, the Select Node(s) Web UI dialog only displayed the name of the object in the Web UI.






For more information, refer to the Add Reference Action topic in the Web User Interfaces / Using a Web UI documentation.



Enhancements to notification and help messages

The presentation of warnings and errors in the Web UI has been updated to improve how the user is notified of relevant information, allowing data stewards and other key data stakeholders the ability to identify and clear product data issues efficiently. All updates described are applicable to mandatory attribute errors and product-to-classification references. Previously, the error and warning messages only displayed the ID of the missing mandatory attribute or product-to-classification references but now title is shown.

Error and warning messages generated from missing mandatory attributes on Node Details screens now display beneath the relevant field.

* Brand Owner	<input type="text"/>
	 Brand Owner is mandatory
* Minimum Order Qty	<input type="text"/>
	 Minimum Order Qty is mandatory
* Height	<input type="text"/>
	 Height is mandatory

Additionally, error and warning messages generated from missing product-to-classification links are now displayed beneath the relevant field.

* Merchandising Link	
	 Missing mandatory links: Merchandising Link

In the Notification panel, the error and warning messages are now displayed separately with each attribute details.

Dismiss All ✕

Show Less ^

! **Rustic Bed Frame King** 19/10/2021 18:21
 Brand Owner is mandatory

! **Rustic Bed Frame King** 19/10/2021 18:21
 Height is mandatory

! **Rustic Bed Frame King** 19/10/2021 18:21
 Minimum Order Qty is mandatory

! **Rustic Bed Frame King** 19/10/2021 18:21
 Missing mandatory links:
 Merchandising Link

For more information on mandatory attributes in the Web UI, refer to the Mandatory Attributes in Web UI topic in the Web User Interfaces / Using Web UI documentation.

The help text attributes added in workbench now renders with styled content on the screens in the Web UI. The attribute help text displays styled content (i.e., bolded, italicized, shaded, etc.) and render working hyperlinks. Previously, the attribute help text showed without any styling, and the hyperlinks were considered as standard text.

Long Item Description

✎ i

Type: Long Item Description for Mktg

Target: For Products, Packaging and Moulds

Description: Describes the Product with all the details, different color codes can be used.

[For more information visit store.](#)

Workflow variable header can now configure help text, unlike other attribute help text. Previously, the workflow variable header was not rendering any help text.

Users can now override the help text in Context help and add custom messages.

* Attribute	LongItemDescription
Label	
Read Only	<input type="checkbox"/>
▼ Advanced	
Context Help	Plausible Actual Help Text
Display Context Help	<input checked="" type="checkbox"/>
<input type="button" value="Cancel"/> <input type="button" value="Save"/>	

For more information on configuring help text on attributes in the Web UI, refer to the Attribute Help Text in Web UI topic in the Web User Interfaces / Using Web UI documentation.

Web UI Excel Exports in Node List Sort Order

In the Web UI, the functionality of the toolbar menu actions Custom Export, Export Current View, and Export Action has been expanded to make the sorting between the Node List, and the exported spreadsheets consistent. When a sort action is applied to one or multiple columns, that sorting is also applied to the exported spreadsheet using the three export options listed above. Now, data stewards can more effectively share product data between stakeholders, ensuring the sorting applied in the Web UI carries over into the shareable document. Previously, the exported spreadsheet did not fully reflect the applied filtering and sorting applied to the Node List. Listed below are the Node List columns that, when filtered / sorted, will enable sort- and filter-accurate display.

- ID Header
- Title Header
- Name Header
- Object Type Header
- Unique Key Header
- Attribute Value Header
- Attribute Group Value Header
- Reference Header
- Workflow Variable Header

- Workflow Deadline Header
- Workflow Status Header

With respect to columns containing cells with multiple values (i.e., attribute values, references), the sort order is determined by the first value encountered. When using the options available in the Custom Export toolbar action, it is applied only to 'Export only selected objects' in the node list. If the user chooses 'Export including below objects' or 'Export only leaf objects,' then these objects are not included in the Node List and sorting cannot be applied.

The Workflow Variable Header, Workflow Deadline Header and Workflow Status Header are supported sort columns in the Node List, but these are not supported in the Excel that is generated using Export Actions. If the user sort on any of these columns in the Node List in the Web UI, that sort order will not be honored in the exported Excel.

For more information, refer to the Custom Export Action topic in the Web User Interfaces documentation.

Also, refer to the Data Exchange Enhancements and Changes release note in this release note set for additional data exchange updates for 10.3.

Product MDM for Automotive 10.3 - 7.0.41 Release Notes

Release Date: November 18, 2021



NEW FEATURES

■ Added support for import and export of TecDoc 2.6 file

The PMDM for Automotive solution now supports importing and exporting supplier data in the TecDoc 2.6 version along with handling logistic package items. The TecDoc Easy Setup, TecDoc Reference Import, TecDoc Supplier Import, and TecDoc Supplier Data Exporter are updated to handle these changes.

The following updates are implemented:

Running step 1 of the Automotive - TecDoc Model Easy Setup will:

- Create a new object type called DS_Supplier Package (ID = TD_DS_SupplierPackage) with TD_DS_SupplierArticle and TD_DS_SupplierPartsList as its parents.
- Create two new attribute groups called Logistic Criteria Attributes (ID = TD_LogisticCriteriaAttributes) and Package Attributes (TD_PackageAttributes) under the attribute group TecDoc Attributes (ID = TD_TecDocAttributes).
- Create a new Product Reference with the following values:
 - Name = Supplier Package Hierarchy
 - ID = TD_DS_SupplierPackageHierarchy
 - Valid Source Type = TD_DS_SupplierPackage
 - Valid Target Type = TD_DS_SupplierArticle, TD_DS_SupplierPackage, TD_DS_SupplierPartsList
 - Allow multiple references = No
- Create a new Description attribute called Quantity of Child package (ID = TD_ATTR_PackageQuantityOfChild) under the Package Attributes attribute group (ID: TD_PackageAttributes) valid for 'TD_DS_SupplierPackageHierarchy' reference type.
- Create the following new Description attributes under the attribute group Package Attributes (ID: TD_PackageAttributes) valid for 'TD_DS_SupplierPackage' object type:
 - Package GTIN (ID = TD_ATTR_PackageGTIN)
 - Package Height (ID = TD_ATTR_PackageHeight)
 - Package Width (ID = TD_ATTR_PackageWidth)
 - Package Depth (ID = TD_ATTR_PackageDepth)
 - Package Weight (ID = TD_ATTR_PackageWeight)

- Package Weight Variance (ID = TD_ATTR_PackageWeightVar)
- Package Stacking Factor (ID = TD_ATTR_PackageStackingFactor)
- Quantity of Child package (ID = TD_ATTR_PackageQuantityOfChild)
- Packaging Type (ID = TD_ATTR_PackagingType)
- Update the existing attribute Country Inclusion (ID = TD_ATTR_LKZ_Include) to be valid for the new 'TD_DS_SupplierPackage' object type.

TecDoc Reference Import has been updated to create logistic criteria attributes from TAF table 53 under the attribute group Logistic Criteria Attributes (ID = TD_LogisticCriteriaAttributes).

TecDoc Supplier Import has been updated to do the following:

- Populate values for the logistic criteria attributes in supplier articles (part) based on the values defined in TAF table 213
- Create supplier package objects and populate the packaging attributes based on the values defined in TAF table 214
- Populate values for the Country Inclusion attribute (ID = TD_ATTR_LKZ_Include) in package objects based on the values defined in TAF table 216

TecDoc Supplier Exporter has been updated to do the following:

- The TecDoc file exported in version 2.6 will generate table 213 based on the values in the logistic criteria attributes.
- The TecDoc file exported in version 2.6 will generate table 214 based on the package objects, and table 216 that contains package item country codes.

■ Added support to store delta key LBezNr (Description Number) from the Data Table 012 of the TecDoc Reference Data file

The Automotive - TecDoc Model Easy Setup is updated to create the following attributes under the attribute group ID = TD_DescriptionAttributes.

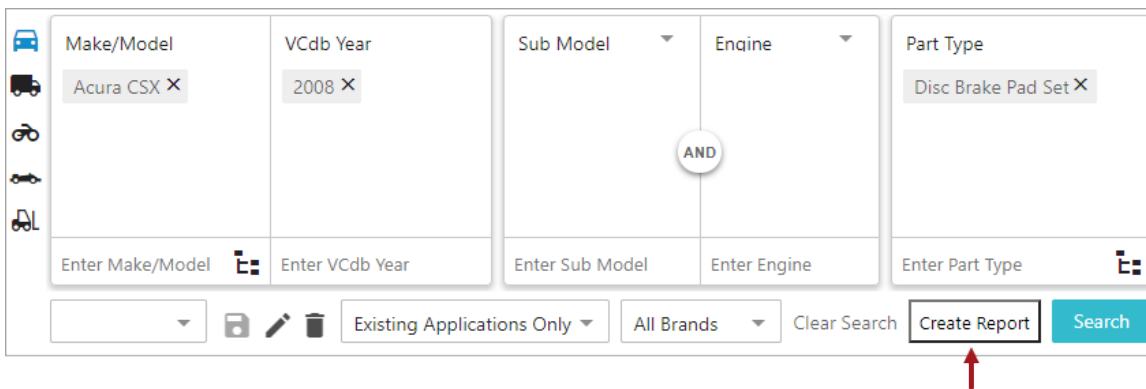
- ATTR_PC_LBez attribute (ID = TD_ATTR_PC_LBez) of 'Text' validation base type, and valid for 'Vehicle Type (PC)' object type
- ATTR_CV_LBez attribute (ID = TD_ATTR_CV_LBez) of 'Text' validation base type, and valid for 'Vehicle Type (CV)' object type

These attributes store the delta key LBezNr (Description Number) from the Data Table 012 of the TecDoc Reference Data file.

■ New Create Report button in the Application Manager Screen

A new button called Create Report is added to the Application Manager Screen's search interface that performs the following functions:

- Generate application coverage report
- Generate a report of invalid application records and initiate the invalid application records into a workflow



The screenshot shows the Application Manager Search Interface. It features several search criteria fields: 'Make/Model' (Acura CSX), 'VCdb Year' (2008), 'Sub Model', 'Engine', and 'Part Type' (Disc Brake Pad Set). Below these fields are input prompts: 'Enter Make/Model', 'Enter VCdb Year', 'Enter Sub Model', 'Enter Engine', and 'Enter Part Type'. At the bottom of the interface, there are several controls: a dropdown menu, a save icon, a trash icon, a filter dropdown set to 'Existing Applications Only', another dropdown set to 'All Brands', a 'Clear Search' button, a 'Create Report' button (highlighted with a red arrow), and a 'Search' button.

When configured, clicking the Create Report button displays a dialog where users can select the type of report to be generated. Whenever the user generates a report, a background process is started. Users can view the report generation status by clicking the BGP link in the 'Recent background processes' side panel and navigating to the Background Process Details screen. Additionally, users can access the Excel report within the Background Process Details screen.

■ Enhanced AutoCare ACES Import to handle the latest updates of ACES 4.2 version

Added support to handle the <RegionFor>, <PartsApprovedFor>, and <SubBrandAAIAID> tags that were introduced with ACES version 4.2.

■ Enhanced AutoCare ACES Export Manager to handle the latest updates of ACES 4.2 version

The following changes are implemented in the AutoCare ACES Export Manager:

- The Approved For parameter available within the Select format tab of the ACES Export Manager will be grayed out when version 4.2 is selected for AutoCare ACES Application Exporter format. For more information, refer to AutoCare ACES Application Exporter topic.

- A new parameter called 'Part Approved For' is added within the Select Format tab of the ACES Export Manager. The options for this parameter are retrieved from an LOV called AC_ACESApprovedFor. The exported ACES file will include the country code between the <PartsApprovedFor> tag in the header section.
- A new parameter called 'Region For' is added within the Select Format tab of the ACES Export Manager. The options for this parameter are retrieved from an LOV called AC_Region. The exported ACES file will include the Region ID between the <RegionFor> tag in the header section.
- A new parameter called 'SubBrand AAIID' is added within the Select Format tab of the ACES Export Manager. This parameter allows a Sub Brand AAIID (Automotive Aftermarket Industry Association ID) object to be selected. The exported ACES file will include the four character Sub Brand AAIID between the <SubBrandAAIID> tag in the header section. For more information, refer to AutoCare ACES Application Exporter topic.

Export Manager

Steps

1. Select Configuration
2. Select Objects
- 3. Select Format**
4. Map Data
5. Advanced
6. Select Delivery Method

Select Format

AutoCare ACES Application Exporter

Exports data in AutoCare ACES format.

Version: 4.2

Company: ACME

Sender Name: Grace

Sender Phone: 770-123-1234

Sender Phone Ext: 6789

Mfr Code: TNT

Brand AAIID: Plasti-Dip (AC_Brand_DHGV)

SubBrand AAIID:

Document Title: Export_V2

Doc Form Number: XX98765

Effective Date:

Approved For: Denmark United States

Parts Approved For: Denmark United States

Region For: Mexico (MEX) United States (USA) Canada (CAN)

Mapper Company: NYKA

Mapper Contact: MAC

Mapper Phone: 7801323312

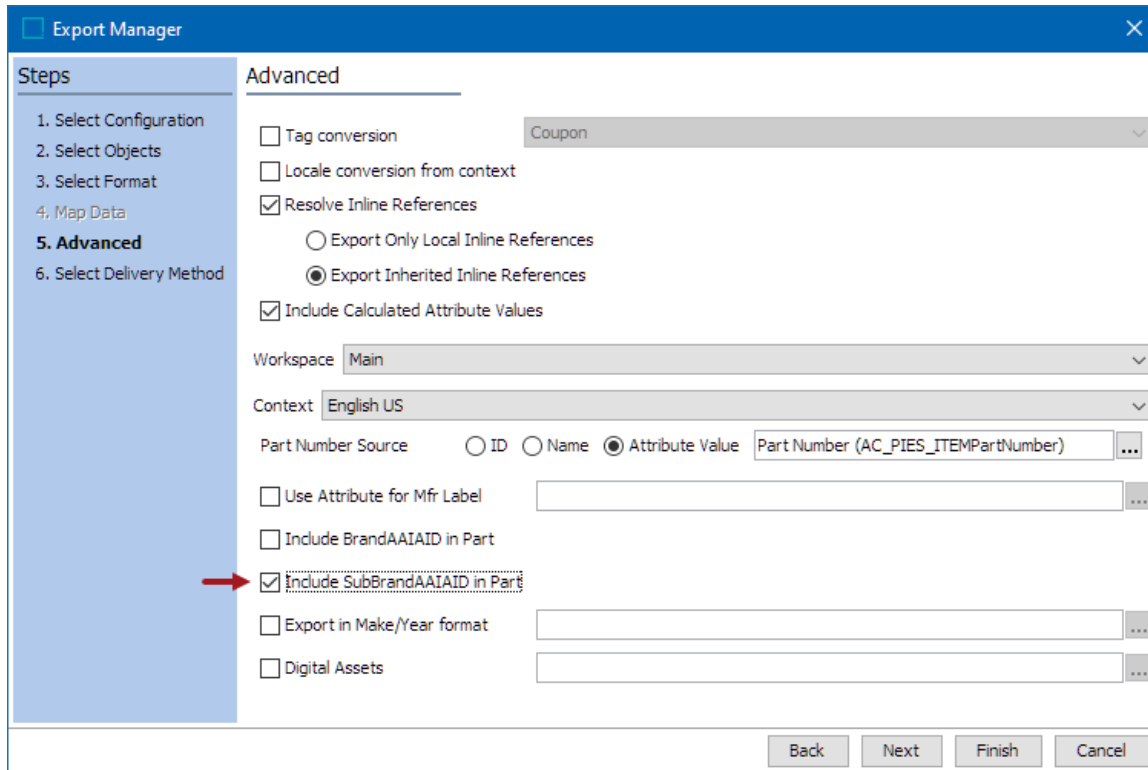
Mapper Phone Ext: 2222

Mapper Email: abcd@acme.com

Deliver a file if there are validation errors?: yes

Back Next Finish Cancel

- A new parameter called 'Include SubBrandAAIAID in Part' is added within the Advanced tab of the ACES Export Manager. The selection of this parameter will insert the SubBrand AAIAID value within the <Part> tag of the exported file.



BUGFIXES

Auto Care

- Fixed the Internal Application Error generated while running the AutoCare Model Easy Setup action

Previously, running the Automotive - AutoCare Model Easy Setup generated an Internal Application Error. This issue is now resolved.

Hotfix recipe compatible with STEP 10.2 MP3+ Automotive-7.0.40: [to:hotfix/534/issue-534973-HOTFIX-5694.spr](https://stibo.com/hotfix/534/issue-534973-HOTFIX-5694.spr).

TecDoc

■ Fixed the Internal Application Error generated while running the TecDoc Model Easy Setup action

Previously, running the Automotive - TecDoc Model Easy Setup generated an Internal Application Error. The cause was from the Set Change Flags business action configuration in the 'Import action - skip first load' parameter that is available within the 'Import' state of the TecDoc Reference Import workflow. This issue is now resolved.

■ Corrected TAF Supplier Data import error in the Conversion state

Corrected an error related to TAF table 143 generated in the Conversion state while importing a TecDoc Supplier Data file.

Previously, when the importer was allocating body type to model series (Vehicle Model Series (CV) object type), an error was written in the execution report that stated 'Error in this import 30_BodyTypesToModelSeries-Table143.xml setting completed with errors - Error: Missing object type for new object: TD_PCMDL_40088 of type: com.stibo.core.domain.Classification.' Now, the Conversion state is updated to no longer write such errors if the system tries to allocate body type to Vehicle Model Series (CV).

Further, there was also an issue with the Model Code attribute (ID = TD_ATTR_DT143_Muster), where the attribute was not populated with multiple values despite it being a multivalued attribute. This issue is now resolved too.

■ Corrected TecDoc Model Easy Setup

Previously, the Article Number attribute (ID = TD_ATTR_ArtNr) created by the Easy Setup action was not linked to any object in the product hierarchy. Now, the TecDoc Model Easy Setup is updated to link this attribute to the TecDoc Supplier Root product folder (ID = TD_DS_Supplier Root).

■ Updated TecDoc Model Easy Setup to no longer add the 'Validate Application on Import' business condition in the 'Import condition' parameter

Previously, the TecDoc Model Easy Setup was set to add the 'Validate Application on Import' business condition in the 'Import condition' parameter that is available within the 'Import' state of the TecDoc Supplier Import workflow. Now, the TecDoc Model Easy Setup is updated to no longer add any business condition in the 'Import condition' parameter.

For Existing Implementations: Running the Easy Setup action does not change the configurations for the existing implementations. If needed, then the 'Validate Application on Import' business condition has to be manually removed.

■ **Updated Automotive - TecDoc Model Easy Setup action to correctly create TD_ATTR_ATypNr attribute with Number Validation Base Type**

Previously, the Easy Setup action wrongly created the TD_ATTR_ATypNr attribute with Text Validation Base Type. Now, step 1 of the Automotive - TecDoc Model Easy Setup is updated to create the attribute with Number Validation Base Type.

For Existing Implementations: Existing implementations will need to manually set the Number as the Validation Base Type.

■ **Fixed an issue related to Search Trees and Reference Data classification folders**

Previously, importing the TecDoc Reference Data file wrote multiple errors to the BGP of the Conversion state. These errors were related to the Search Trees and Reference Data classification folders which mainly consisted of invalid link types. This issue is now fixed.

■ **Fixed an Out Of Memory Error in Conversion state while importing large TecDoc Reference Data file**

Previously, when importing a large TecDoc Reference Data file, sometimes the TAF table 122 present in the loaded reference data file would cause an OutOfMemoryError to occur during conversion. The error stated as: 'java.lang.OutOfMemoryError: GC overhead limit exceeded.' This issue is now fixed.

■ **Added support to store model name in an attribute**

The Automotive - TecDoc Model Easy Setup is updated to create an attribute called 'ATTR_Model Name' (ID = TD_ATTR_ModelName) under the attribute group ID = TD_DescriptionAttributes. The attribute is of 'Text' validation base type and valid for 'Vehicle Model Series (PC)' object type.

Previously, the model name was stored within the STEP name of the Vehicle Model Series (PC) object. Now, the new attribute stores the model name that is retrieved from the Data Table 012 of the TecDoc Reference Data file.



PATCH RECIPE

The Automotive add-on can be installed with the following recipe:

```
to:automotive/7.0/automotive-7.0.41.spr
```

The above recipe is compatible with the following STEP 10.3 baseline recipe:

```
to:step/platform/step-10.3.spr
```

Important: Once an Automotive add-on is installed to a base STEP system, the base system cannot be upgraded without upgrading the Automotive add-on at the same time. Additionally, when upgrading any base STEP system that has any Automotive add-on installed, both install recipes must be prepared at the same time.

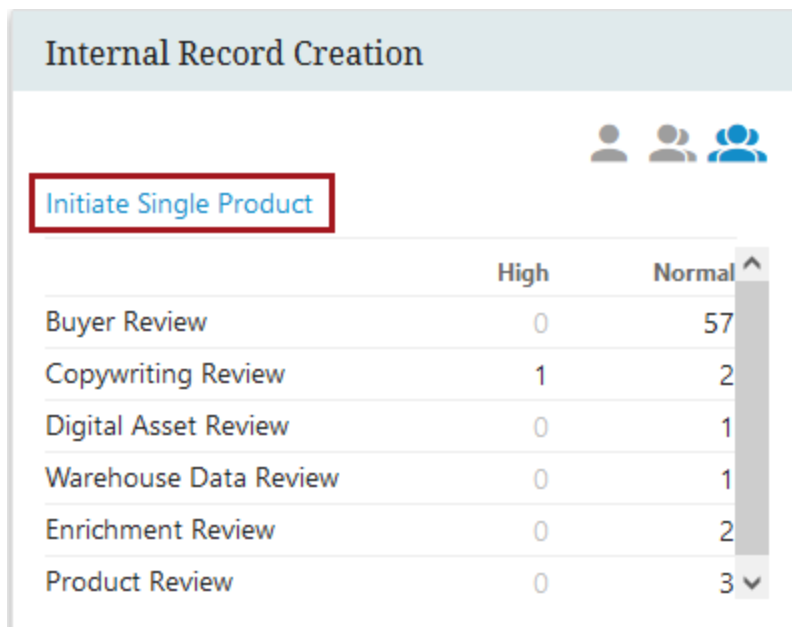
For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

PIM for Retail Enhancements and Changes

Product creation functionality expanded

For the first time, retailers now have the ability to easily create one or multiple products within the PIM for Retail solution (renamed to Data Management Accelerator for Retail with the 11.0 release). This solution expansion provides retailers with additional flexibility, enabling data stewards to manage a wider range of products using the PIM for Retail solution.

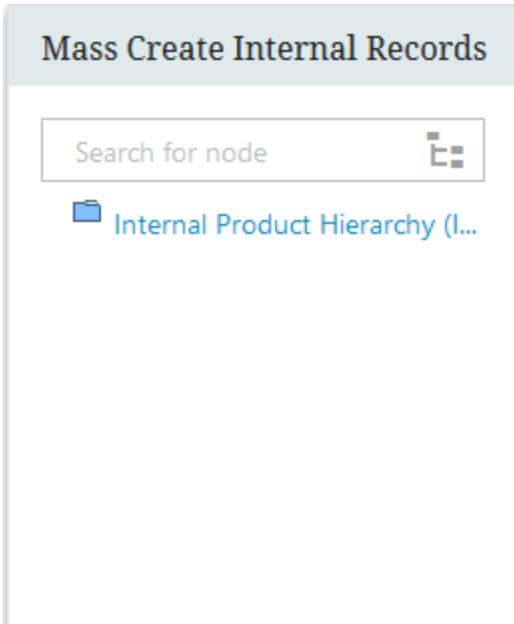
To accomplish this, three additions have been made. First, the Internal Record Creation homepage widget now features an 'Initiate Single Product' button that allows retailers to create new products.



	High	Normal
Buyer Review	0	57
Copywriting Review	1	2
Digital Asset Review	0	1
Warehouse Data Review	0	1
Enrichment Review	0	2
Product Review	0	3

By clicking the 'Initiate Single Product' button, users are taken to a product creation screen where they can enrich the new product with all necessary values. When the product is ready, it progresses directly into the Internal Source Record Creation workflow.

Second, a Mass Creation homepage widget titled Mass Create Internal Records has been added that allows users to import one or multiple products through manual in-tool enrichment, or by pasting the contents of a spreadsheet into a table displayed on the Mass Create screen.

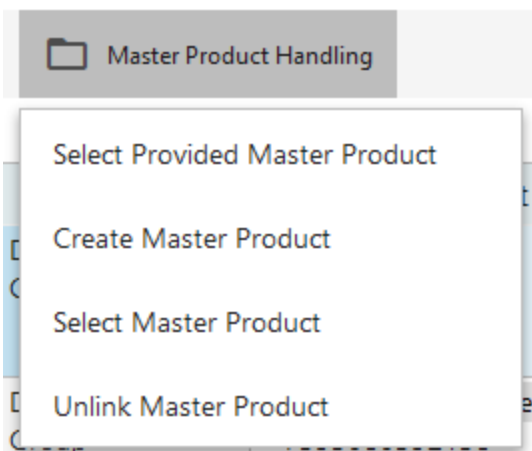


Third, when product data received from an enterprise resource planning (ERP) system via an inbound integration endpoint (IIEP) initiates the creation of new products, the PIM for Retail solution now supports automatic entry of those products into the Internal Source Record Creation workflow.

Previously, all products entered into the workflow came into STEP via PDX channels, with products provided by suppliers. Now, with these additions, the PIM for Retail solution supports a broader range of use cases, giving retailers more flexibility when managing incoming products.

Master Product Handling in Node Lists

The ability to easily define the relationship between variants and master products for items flowing into STEP via PDX has expanded to Node Lists. A new toolbar action called 'Master Product Handling' has been added to the Buyer Review and Product Review Node Lists, accessible via the Internal Record Creation homepage widget. This gives users the ability to define the master product/variant relationship for multiple products/variants in a single action.



The 'Master Product Handling' toolbar action enables users to take the following actions:

- Select an existing master product from the product hierarchy
- Create a new master product
- Accept a master product provided by the supplier
- Unlink a selected variant from its master product

Whichever option is selected can then be applied to all products included in the selection, provided the selected products meet the requirements for the desired action.

Additional changes

Additional changes have been made to the PIM for Retail solution for 10.3:

- The workflow state task list screens in the External Record Handling and Internal Record Creation workflows have been amended to show additional task-specific information. These changes have been implemented to support bulk onboarding and to ensure the information shown to the end user is relevant and actionable.
- Updates to the user experience have been implemented to achieve visual consistency across the PIM for Retail solution. Changes include inclusion of standard accent colors for buttons, an updated PIM for Retail logo, and additional improvements throughout intended to streamline the user experience.
- Validation of assets coming into STEP via PDX Onboarding has been improved with the creation of additional attributes. Now, it is possible to specify that incoming assets must fall within accepted variances for attributes that include, but are not limited to, aspect ratio, height and width in pixels, and file size.

For the 11.0 release and beyond, full details on the Data Management Accelerator for Retail (formerly PIM for Retail) solution, refer to the Accelerator for Retail section of the Solution Enablement documentation. For more information on the expanded product creation capabilities, refer to the Retailer Creates Record topic in the Onboarding documentation. For more information on the new Master Product Handling functionality for Node Lists, refer to the Variants documentation.

Enhancement Requests

Summary

Customer satisfaction is a top priority for Stibo Systems. When customers make software enhancement requests, Stibo Systems works diligently to meet their business needs. Many of the changes available in 10.3 are implemented as solutions to these requests.

The list below highlights some of the enhancement requests that were completed in 10.3 but it is not a comprehensive list. Additional customer-requested enhancements not listed below were completed as part of previously planned roadmap-driven projects.

Details

Solutions are listed below. If more details are available, there is a cross-reference to a more detailed release note where feature benefits are outlined.

- In Product Data Syndication (PDX), manually grouping a subset of product data and images can be done at the article level.
- There is new functionality allowing values not found in the Transformation Lookup Table in STEP Workbench to be replaced with a blank cell in the PDX channel.

Unless indicated, the following Web UI changes are described further in the Web UI Enhancements and Changes release note.

- The email field on the Forgot Password screen is no longer case-sensitive.
- The Approved workspace indicator in Web UI is now clearly highlighted to notify users that they are working in the Approved workspace.
- There is a new Locale Global Representation component that controls which locales are available to end users.
- Updates were made to allow users to save searches more efficiently in Advanced Search, enabling them to quickly navigating to previous searches and share important searches with colleagues.
- Users are now able to configure LOV filters on the Attribute Management screen.
- Users can now view language-dependent attributes translated for different contexts when using the Search from List option in the Advanced Search screen.
- Improvements were made to the way that help messages and other notifications are presented to end users so that they can better understand how to maintain their object information.
- An administrator can configure which business actions should be visible and assign user groups that should view each of them (in faceted search / Elasticsearch).
- Icons have been updated for assets.

- The Add Reference Action displays STEP IDs beside the name of the possible targets.
- The toolbar menu actions Custom Export Action, Export Current View, and Export Action support the same rules for the export order of selected items in Node Lists and Task Lists. Additionally, the Export Current View available on the Faceted Search screen supports the same rules.
- Fixes were done to fix some CSS styling issues introduced with a previous release.

For more information on the projects below, refer to the General Enhancements and Changes release note that appears later in this set.

- Images in SVG format now display previews in both the workbench and Web UI.
- There is a new way of handling duplicate unique keys when importing in STEPXML.
- The new 'Business Function for Syndigo Request' parameter enables users without country / language dimensions for country–dependent data to display available information from Syndigo.
- New calculated attribute functions have been added to account for object type IDs, approval status, sorting by Manual Sorted Sequence, and a correction for the 'sortnumeric' function.

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 10.3, 10.3-MP1, MP2, and MP3 Platform and Software Support topic within the System Release and Patch Notes documentation within online help, and the 10.3-MP4 Platform and Software Support topic.

The changes in platform and software support from version 10.2 to 10.3 are listed below. **Customer action may be required.**

API Update

Customers need to recompile extensions for REST APIs. Go to the 10.3 Upgrade Guide in this release note set for information on which libraries to use.

Additional Current Updates

Support has been added for:

- Higher versions of Red Hat Enterprise Linux and Oracle Linux
- Windows 11 for Windows Clients
- macOS 12 (Monterey) for Mac Clients
- InDesign CC 2022 (Client and Server) -- with the 10.3-MP4 baseline only

Support for the items listed below has ended:

- MS Windows-based servers are no longer an option for new customers
- macOS Servers and MS Windows Servers are no longer be valid server options for Asset Push File Servers
- MS Windows Server 2016
- macOS-based STEP InDesign servers
- macOS 10.14 Mojave
- Office 2016
- DSA is no longer supported for users taking SPOT version 7.79.0 and higher. STEP systems should discontinue using DSA keys, and can refer to the updated Cluster SSH Configuration that became available in the 10.3-MP2 documentation and for on-premise systems can be found in the System Administration Guide on the Downloadable Documentation.

User experience improvements

From 10.3, Stibo Systems will periodically collect anonymized usage information, which will be used for making data-driven decisions for our product development.

Future Updates and End of Life Notifications

The support for the items below will end with the next feature release (Fall 2021) or as indicated:

- MS Windows-based servers will be desupported for existing customers starting with the 11.0 release. Contact your account manager to review your options for making the transition to a supported platform.
- Adobe InDesign CC 2019 (Client and Server) is no longer supported by Adobe. While CC 2019 remains as an option within the STEP InDesign Plugins, it will be removed with the next feature release (Spring 2022).
- Support ends in 2022 for these STEP versions:
 - 9.1 — ends on January 1st
 - 9.2 — ends on August 1st
 - 9.3 — ends on November 1st

Customers should update as soon as possible to the latest release of Stibo Systems Enterprise Platform (STEP). Contact your Stibo Systems account manager or partner manager, or the support department, if you have questions and/or to receive help and guidance on how to update to a supported release.

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

- Stibo Systems will continue to support and release the OpenJDK upgrades for Java 8 in maintenance patches until STEP version 9.1 support ends on January 1, 2022.

Miscellaneous Bugfixes

A number of bugfixes have been applied as part of this release. Separate notes are generated for each maintenance patch. Refer to the entire set of 10.3 release and maintenance patch notes prior to installing or upgrading.

■ ISSUE-234135 - Corrected issue with some i18n texts

Particular French translations of i18n texts could cause JavaScript exceptions. The texts are now updated and the problem is fixed.

■ ISSUE-445919 - Error popup fix for Web UI

Now, error popups will be cleaned when the user clicks on a logo to navigate to the Homepage in Web UI.

■ ISSUE-449469 - Sorting issue fixed for Web UI Task List with streaming enabled

Fixed a sorting issue that occurred on a Web UI Task List with streaming enabled when a user sorted the first column and then filtered on another column. Hotfixes are available for step-10.1-mp3, step-10.1-mp4, and step-10.1-mp5.

■ ISSUE-465433 - Wildcard error message detail fix

The error messages for wildcard searches via the Search Panel in Web UI have been modified to include more details, making it easier for the user to determine the issue.

■ ISSUE-467436 - Performance fix for STEP and Oracle

A performance fix has been implemented for STEP when running Oracle.

■ ISSUE-468825 - Attribute Value Header loading fix for Web UI

Now, it is possible to increase the loading speed of Attribute Value Headers on the Multi Reference Editor in Web UI. To enable this property, contact Stibo Systems Support.

■ ISSUE-473963 - Localization fix for ID / Name options

There is now a localization for ID / Name options on the Search From List descriptor on the Advanced Search Screen in Web UI.

■ ISSUE-478532 - User group fix for Web UI

Previously, when a user attempted to update the user group from Web UI, the specific user was removed from the current group and then added to the selected group, throwing an error. This has been fixed.

■ **ISSUE-484777 - Initiate Item screen LOV Cross-Validation fix**

An unhandled exception no longer appears on the Web UI Initiate Item screen with the LOV Cross-Validation condition when the current user does not have privileges to view certain LOV values.

■ **ISSUE-485028 - Reference exporting fix**

Fixed an issue that occurred when attempting to export derived references.

■ **ISSUE-489419 - REST and REST Direct Delivery Methods IP fix**

Previously, if a URL resolved to more than one IP address, then the REST or REST Direct delivery methods attempted to deliver to just the first IP address. A configuration property has been added to force REST and REST Direct deliveries to retry a number of times if the delivery fails the first time. Additionally, a new configuration property determines the number of seconds between the retries. Hotfixes are available for step-10.0-mp3, step-10.0-mp4, and step-10.0-mp5.

■ **ISSUE-492615 - Frame fix for InDesign**

Fixed an InDesign issue when a frame moving from a group of multiple frames to a group with a single frame caused the mount to fail.

■ **ISSUE-493856 - Attributes Linked to Classification Source inheritance fix**

Now, Attributes Linked to Classification Source works with inheritance.

■ **ISSUE-494159 - File length fix for *.sum files**

An exception was raised when the *.sum file in the activity folder contained extremely long lines. This exception was found in the workbench when attempting to open the Business Rule Statistics tab. Now, the length of line in the *.sum file is limited to prevent this error.

■ **ISSUE-494820 - Excluded records fix for Advanced Merge dialog**

Fixed an issue where the Advanced Merge dialog in the Merge Golden record task could propagate values from excluded records to the merge preview column.

■ **ISSUE-495494 - OIEP fix for Business Rule Based Message Process**

Previously, when invoking an Outbound Integration Endpoint (OIEP) with the Business Rule Based Message Process, if the Node Handler java script had a binding to the Derived Event type, then the binding was always resolved to 'null.' Now, the binding issue has been resolved.

■ **ISSUE-495718 - BGP number fix**

Now, the background processes (BGP) run in sequential numbers when logging lots of rows to the Execution report.

■ **ISSUE-496018 - Admin portal error fix**

Previously, an error was thrown on the Admin portal Activity tab when the STEP server was running on a Windows system. This has been fixed.

■ **ISSUE-496565 - XML extension fix**

Fixed an issue where an exported XML file had a .zip extension but was not zipped.

■ **ISSUE-498215 - Password change property**

Introduced the possibility to allow changing the password for internal (created in STEP) users with a password on a system where external authentication is set. The password change component on User Details screen will be visible for internal STEP users and invisible for external users (synchronized from external provider). After a successful password change, the user will be logged out and be shown an explanation message. To enable this property, contact Stibo Systems support.

■ **ISSUE-500290 - TLS support for Error Reporters**

Now, the Inbound Integration Endpoint Error Reporter, the Email Error Reporter, and the Exporter Error Reporter use a version of Mailing API that supports TLS.

■ **ISSUE-503806 - Data Issues Report attribute highlight fix**

Fixed an issue where the Data Issues Report did not highlight the affected attributes on the Initiate Item screen in Web UI.

■ **Enhanced export configurations**

Scheduled exports will now honor changes made to saved export configurations.

■ **Swagger schema fix**

Fixed a schema validation issue in Swagger UI for the REST API V2 component. A hotfix is available for restapiv2-7.0.11.

■ **Fix for non-English locales on Web UI screen**

Fixed a problem occurring when a user is on the Web UI Async Translation Job List screen and translation background processes were not shown in non-English locales. Hotfixes are available for lionbridge-with-framework-10.0, sdl-with-framework-10.0, and across-with-framework-10.0 0.

■ **Corrected classpath problem for GDSN Receiver**

Fixed a classpath problem in the GDSN Receiver module that caused the method in the public API for this module to not be usable in JavaScript business rules. Hotfixes are available for gdsn2-receiver-7.0.56 and gdsn2-receiver-7.0.57.

■ **Workflow error code fix for REST**

Previously, when workflow failed to start, the incorrect error code was passed in the REST response. This has been fixed so that the correct error code is shown. Hotfixes are available for step-10.0-mp3, step-10.0-mp4, step-10.0-mp5, and restapiv2-7.0.9.

■ **Property Direction loading issue fix**

Fixed a loading issue that occurred when the Property Direction was set to 'vertical' on the Multi Reference component on the Web UI Node Editor. A hotfix is available for step-10.2-mp1.

■ **E-signature verification fix for SAML**

Previously, there was an issue with e-signature verification with SAML was enabled. This has been fixed for multiple IDP authentications, and a hotfix is available for saml-7.0.20.

■ **Amazon SQS message fix**

Previously, the Amazon SQS Receiver would drop messages in some instances. This has been fixed, and a hotfix is available for integration-amazon-sqs-7.0.10.

■ **Faceted search (Elasticsearch) fix**

The number of query filters that are sent to Elasticsearch has been optimized to fix faceted search performance issues. A hotfix is available for elasticsearch-integration-7.0.16.

■ **Faceted search: Distinguishing attribute on object and on referenced object**

In the search screen of the elasticsearch-integration component, there used to be no way to distinguish an attribute on a node from an attribute on a referenced node. Both attributes used to be presented with the same label, based on the attribute title. This has been improved:

From now on, attribute on reference node is presented as "attribute_title (reference_title)".

From now on, attribute on child nodes is presented as "attribute_title (child)".

■ **Faceted search date filtering fix for Static Facet**

On the Web UI faceted Search screen, date filtering on blank values has been fixed when using the 'Static Facet' data specification in the Elasticsearch configuration. A hotfix is available for ui-search-7.0.11.

■ **Time out fix**

A new customer-specific solution has been implemented to connection time out for downloads. This solution has hotfixes for step-10.2-mp1 and externalcontent-azure-7.0.4.

■ JDBC database connection retry fix

Now, if an attempt to insert or update a record to a JDBC compliant database fails because the connection to that database has been closed, the connection will retry once to insert or update the record. Hotfixes are available for audit-messaging-7.0.4 and audit-messaging-7.0.5.

■ Session expiration fix for Web UI

Error handling has been improved for Web UI network and authentication errors from sessions timing out. A hotfix is available for step-10.1-mp4.

■ Additional Run Business Action functionality available for 9.1

A customer-specific solution has been implemented via hotfix for users working in STEP 9.1 in which the 'Custom Icon' and 'Business Condition' parameters in the Run Business Action component can now be applied to the Run Business Action component. To enable this functionality, contact Stibo Systems support.

■ Security fixes

Security issues have been fixed.

■ Asset content fixes

Introduced the ability to move unused asset content, stored on a filesystem, to the specified folder when running the Asset Integrity Service. Moved asset paths will be visible in the Asset Integrity Service. To enable this functionality, contact Stibo Systems support.

Additionally, there is an ability to have a grace period in which assets cannot be moved. To enable this functionality, contact Stibo Systems support.

Unused asset content, stored on a filesystem, will now be deleted when the revision where the asset content was used is purged or when the asset is being force-deleted. To enable this functionality, contact Stibo Systems support.

10.3-MP1 Maintenance Patch Notes

December 2021



NEW FEATURES & IMPORTANT UPDATES

■ Faceted search now available for Asset Content and Asset Reference

The Web UI faceted search functionality (powered by Elasticsearch) now includes the ability to search on asset content and asset references. The Elasticsearch Configuration options are available as 'node field' rows on the Data Specifications step. To implement searching on asset content and/or asset reference:

- For an active Elasticsearch Configuration, update the Data Specifications section to indicate how the data should be accessed from the Search Screen, delete existing indexes, and reindex, as defined in the Elasticsearch Publishing topic of the Web User Interfaces documentation.
- For new Elasticsearch configurations, the asset content and asset reference options each are set to be a Default Facet. Consider the default settings along with the other configuration options, as defined in the Creating an Elasticsearch Configuration topic of the Web User Interfaces documentation.

■ Support for version 7.14 for Elasticsearch and Kibana

The 10.3 release supports version 7.14.0 of Elasticsearch and Kibana.

For more information on Elasticsearch and Kibana, refer to the Initial Setup for Elasticsearch topic in the Web User Interfaces documentation.

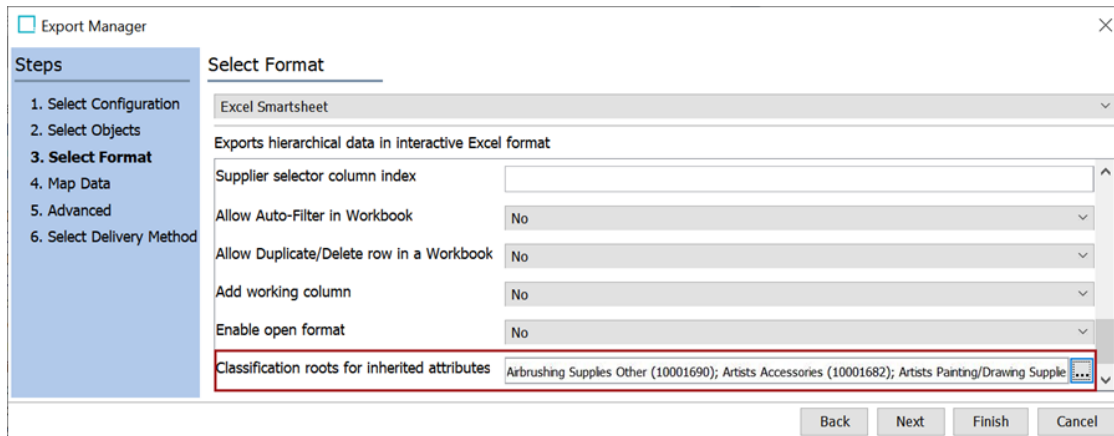
■ Online Help updates

The layout for online help has changed due to updates being made to backend functionality. Layout changes will continue to be introduced in future maintenance patches / releases. Among other improvements, the functionality updates allow for more effective keyword / phrase searches.

Any feedback regarding the layout or documentation in general is welcome and can be provided within the Customer and Partner Communities.

■ 'Classification roots for inherited attributes' update

In 10.3, the 'Classification roots for inherited attributes' parameter was introduced to enable export of classification-linked attributes to Smartsheets. Currently, in order to get the classification-linked attributes exported properly when using this new parameter, the user must select the exact classification node the attribute(s) are linked to.



Export Manager

Steps

1. Select Configuration
2. Select Objects
3. **Select Format**
4. Map Data
5. Advanced
6. Select Delivery Method

Select Format

Excel Smartsheet

Exports hierarchical data in interactive Excel format

Supplier selector column index

Allow Auto-Filter in Workbook: No

Allow Duplicate/Delete row in a Workbook: No

Add working column: No

Enable open format: No

Classification roots for inherited attributes: Airbrushing Supples Other (10001690); Artists Accessories (10001682); Artists Painting/Drawing Supple...

Back Next Finish Cancel

In the next maintenance patch (10.3-MP2), users will be able to select a root classification node from which to retrieve attributes rather than having to select the specific nodes. In addition, the next maintenance patch (10.3-MP2) will include a fix for LOV-based attributes that are currently not handled correctly during export in order to be displayed as read-only in the Smartsheet.

■ Restrict display of basket in Global Navigation Panel

Admin users now have the ability to remove the basket component from the Global Navigation Panel on specific Web UIs that do not require the basket functionality.

To enable this feature, admin users must add the property, `PrimaryNavigation.IncludeBasket`, and append to it a semicolon-separated list of IDs for those Web UIs that should display the basket. All Web UIs left off of the list will not display the basket.

If the property is not configured, the basket will be available on the Global Navigation Panel for all Web UIs that have the Global Navigation component configured.

■ Machine Learning Matching Agent (MLMA) allows downloadable machine learning scores

Now, the matching agent component allows the customer to download machine learning scores from the recommendation background process.

Details on the MLMA and the matching agent component can be found in the Machine Learning Matching Agent topic in the Matching, Linking, and Merging documentation.



BUGFIXES

■ ISSUE-423057 - Customer-specific patch to troubleshoot Text Search

This is only an information patch in order to get information about the Oracle Text queries. It affects Oracle full-text search only; a property update is needed prior to taking the patch. Hotfixes are available for step-10.0-mp3, step-10.0-mp4, and step-10.0-mp5.

■ ISSUE-465433 - Wildcard error message detail fix

The error messages for wildcard searches via the Search Panel in Web UI have been modified to include more details, so it is easier for the user to determine the issue.

■ ISSUE-485028 - Reference exporting fix

Fixed an issue that occurred when attempting to export derived references.

■ Auto-suggestion fix for LOVs

Fixed a problem that occurred when auto-suggestions for LOVs with more than 5,000 values did not work when represented on the Advanced Merge Globally Configured Data Container Header's popup.

■ Property Direction loading issue fix

Fixed a loading issue that occurred when the Property Direction was set to 'vertical' on the Multi Reference component on the Web UI Node Editor. A hotfix is available for step-10.2-mp1.

PATCH RECIPE

The 10.3-MP1 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.3-mp1.spr
```

—OR—

```
spot --upgrade=step:10.3*
```

****Before installing the recipe provided by the SPOT --upgrade functionality, review the baseline and component versions that the system will be upgraded to before applying. Verify that the baseline and/or components are the correct versions to be applied (i.e., the versions you did testing on—and not a higher, untested version).***

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, 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 from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch 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 will be displayed.

Product MDM for Automotive 10.3 - 7.0.42 Patch Notes

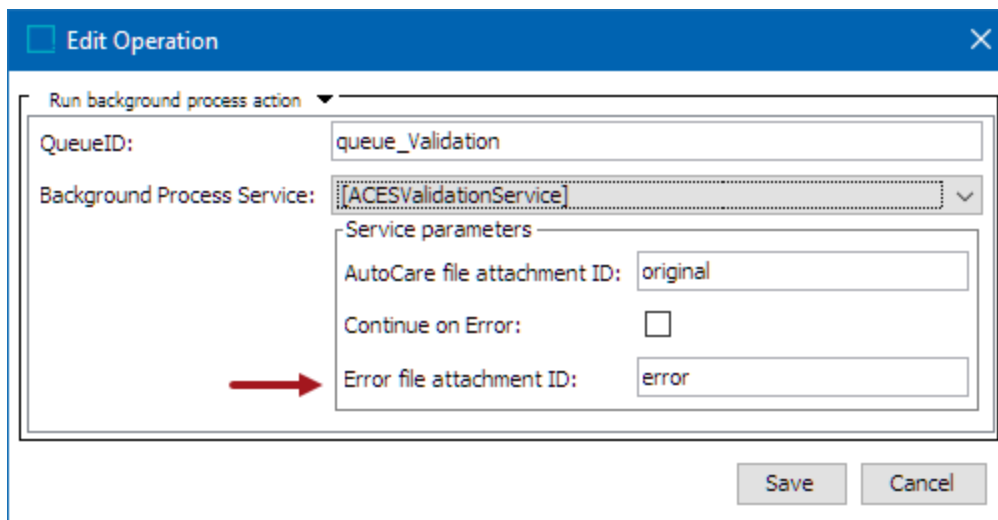
Release Date: December 17, 2021



NEW FEATURES

■ Added a feature to retrieve the error file that is generated in the ACES Validation

A new validation service called [ACESValidationService] has been implemented that includes an additional parameter called 'Error file attachment ID' along with the standard parameters offered by the AutoCare validation service (AutoCareValidationService). This additional parameter enables the creation of an error report if the imported ACES file encounters validation errors. When configured within the AutoCare ACES import workflow, the new validation service performs its validation tasks in the same way as 'AutoCareValidationService,' but when the new parameter 'Error file attachment ID' is configured, users can define a value to identify the error file. The value entered in the 'Error file attachment ID' parameter will be part of the Excel file error report's file name.



The screenshot shows a dialog box titled "Edit Operation" with a close button (X) in the top right corner. Below the title bar, there is a dropdown menu labeled "Run background process action". The main content area contains several fields:

- QueueID:** A text box containing "queue_Validation".
- Background Process Service:** A dropdown menu with "[ACESValidationService]" selected.
- Service parameters:** A section containing:
 - AutoCare file attachment ID:** A text box containing "original".
 - Continue on Error:** A checkbox that is currently unchecked.
 - Error file attachment ID:** A text box containing "error". A red arrow points to this field.

At the bottom right of the dialog box, there are two buttons: "Save" and "Cancel".

As the validation service runs a background process (BGP), a corresponding BGP folder will be created on the application server at /workarea/background-processarea/ACESValidationService directory. The BGP folder will contain a subfolder whose name matches the STEP ID of the controller entity that is moving through the workflow. Now, if an ACES file completes validation with errors, the validation service furthermore creates an additional Excel error file in the BGP folder. In the screenshot below, **error.xlsx** is the error report file placed in the Controller-101304 folder. Users can retrieve the Excel error file by accessing the folder on the application server.

/shared/workarea/background-processarea/ACESValidationService/BGP_101304/		
Name	Size	Changed
..		16-12-2021 17:17:20
Controller-101303		16-12-2021 17:17:20
error.xlsx	4 KB	16-12-2021 17:17:25

0 B of 3.44 KB in 0 of 2

This error file can also be accessed in the Web UI's AutoCare ACES Import Controller screen, which is used to display the details of the ACES file import. To access the file in the Web UI, users need to add the **Importflow Attachment** table header component to the AutoCare ACES Import Controller screen.

The image illustrates the process of adding a new component to a table display mode. It consists of three sequential screenshots:

- Table Display Mode Properties:** The 'Add...' button is highlighted with a red box. The 'Context Help' field contains the URL `i18n.stibo.portal.server.components.masterdetail.Tabl`. The 'Headers' list includes 'ID Header (Process / false)', 'Title Header (File Name / false)', and 'Importflow Overall Status'.
- Add Component:** A dialog box showing a list of components. 'Importflow Attachment' is selected and highlighted in blue. The 'Add' button at the bottom right is highlighted with a red box.
- Importflow Attachment Properties:** A configuration dialog for the selected component. The 'Attachment ID' field is set to 'error'. Other fields include 'Attachment Title' (Error Report), 'Attachment Tooltip' (Download report for invalid applications), 'Dimensions' (<Select an option>), 'Label' (Error Report), and 'Table Sorting' (<Select a value>). The 'Save' button is highlighted with a red box.

Within the Attachment ID parameter of the Web UI's Importflow Attachment Properties designer screen, the user must enter the same value entered in the 'Error file attachment ID' parameter to identify this file. With this configuration, any available error file attachment is displayed in the Error column as shown below.

AutoCare ACES Imports

Process	File Name	Overall Status	Error Report	Good	Errors	Brand
Controller-101303	ACESFile	Error: Validation failed	Error Report			

↑

Import Details

Process	Started Time	Duration	Started By	Status	Background Process...
Validation	2021-12-16 12:47:15	10 secs	STEPSYS	Validation failed	Failed
Conversion					
Delta Calculation					
Import					

Start import Reject **Discard file**



BUGFIXES

All Standards

- **Corrected an issue related to the criteria attribute values**

When importing application records with conditions, some criteria attribute values were populated in the application record objects and inherited to the criteria block objects rather than directly populating them on the criteria block objects. Though the criteria attribute values were populated in the application record objects in the system, the Application Criteria Blocks table header component in the Application Manager Screen displayed the attribute values correctly as intended. This issue is now fixed so that the criteria attributes are rightly populated in the criteria block object itself.

Auto Care

- **Improved the validation error messages displayed while importing the PIES file**

Previously, if XSD validation errors were caused by a blank tag or empty spaces within the `</PartNumber>` or `<PartTerminologyID/>` tags of the importing PIES file, the system would display an error that was not user friendly in the logs. These error messages are now updated to be more informative regarding the cause of the error.



PATCH RECIPE

The Automotive add-on can be installed with the following recipe:

```
to:automotive/7.0/automotive-7.0.42.spr
```


The above recipe is compatible with the following STEP 10.3 MP1 baseline recipe:

```
to:step/platform/step-10.3-mp1.spr
```

Important: Once an Automotive add-on is installed to a base STEP system, the base system cannot be upgraded without upgrading the Automotive add-on at the same time. Additionally, when upgrading any base STEP system that has any Automotive add-on installed, both install recipes must be prepared at the same time.

For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

10.3-MP2 Maintenance Patch Notes

February 2022



NEW FEATURES & IMPORTANT UPDATES

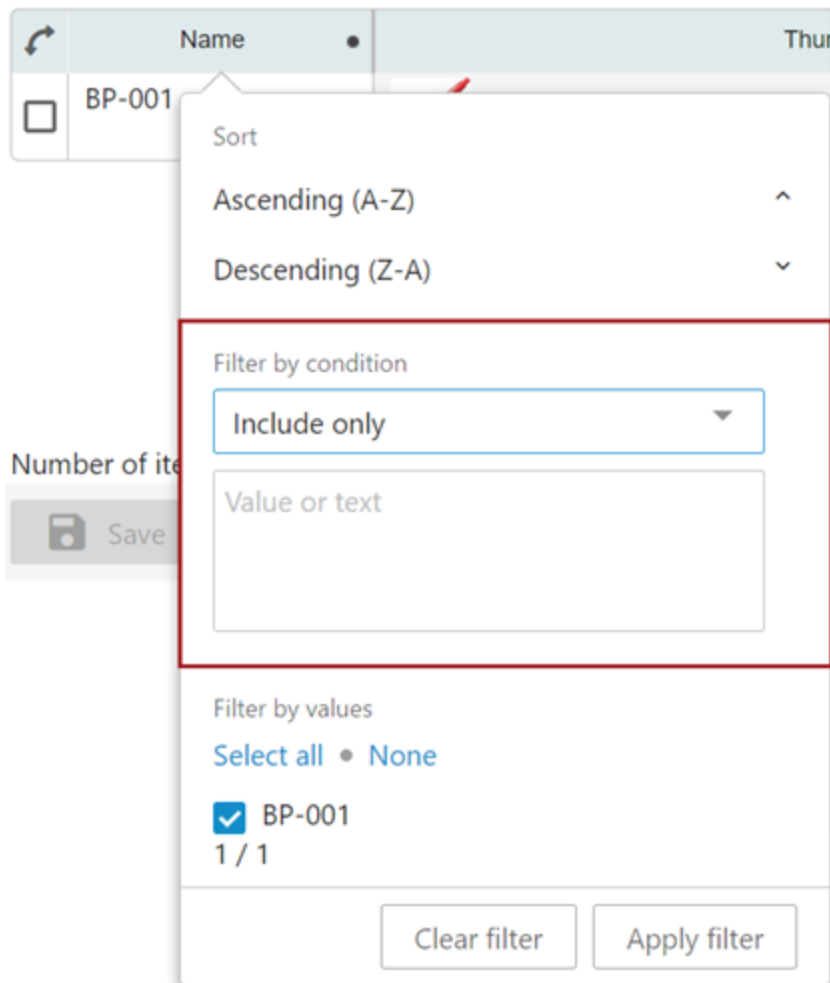
■ Updates to working in the Approved workspace

Users will no longer view the Asset Import widget or the Remove Reference action button when working in the Approved workspace.

The Approved workspace stores data revisions that are deemed fit for production purposes, or data that is ready to be published / exported, and does not allow users to add or make alterations to data. While the Asset Import widget and the Remove Reference action button were displayed in the Approved workspace, they did not function, as editing data in the Approved workspace is not possible. Their complete removal from the Approved workspace will help alleviate potential confusion for users.

■ Updates for table header filters

The table header filter condition label 'Is one of' has been changed to 'Include only.' This condition label change clarifies for users how the condition will filter their data. Additionally, when this condition is selected, a larger value / text area with a default height of 80 pixels displays.

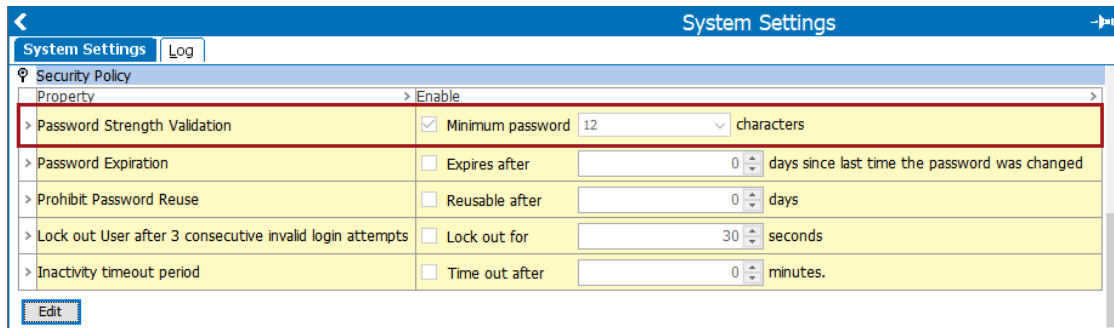


■ **Updates to password security for users**

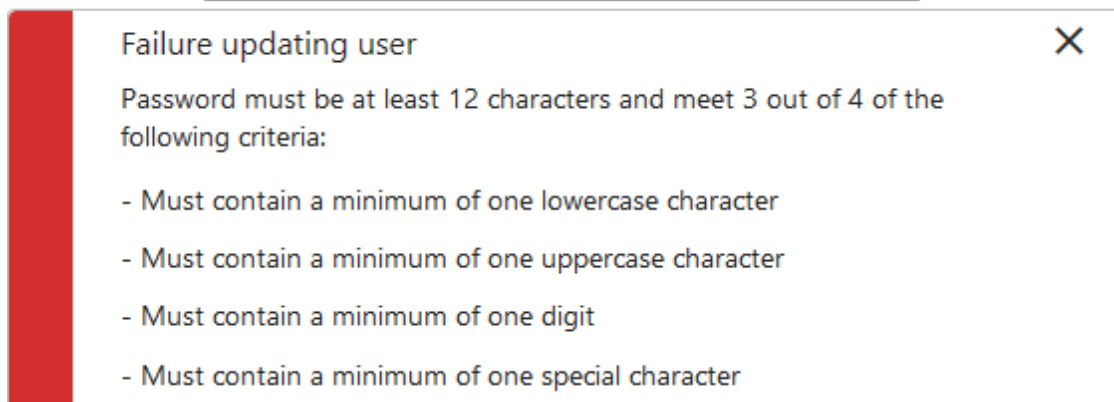
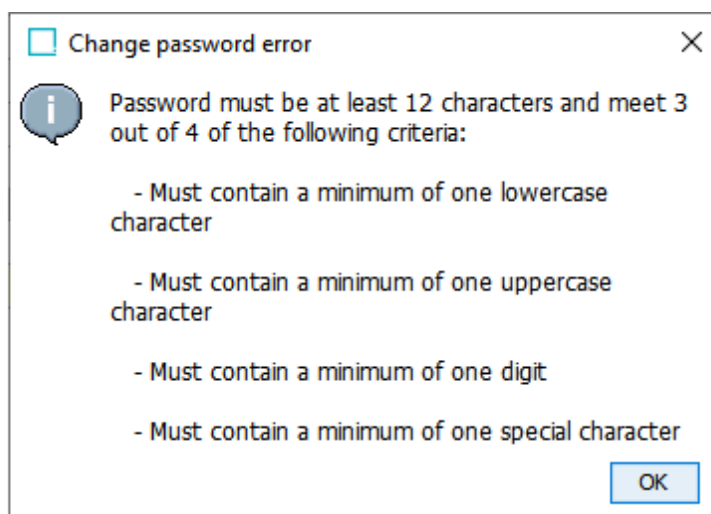
Two security policy updates have been made within the Security Policy section on the Users and Groups node in workbench System Setup:

- The ability to further define the required character count for a user's password
- Lock out time period reset for users locked out of the system

Administrators are now able to further define the minimum password length, enabling companies to comply with security policies and strengthen user password security via the updated Password Strength Validation parameter. Once the Password Strength Validation parameter was enabled, the password minimum was eight (8) characters by default, and this will remain the default -however, administrators can also now choose to set the minimum character count for passwords from the minimum default of eight (8) to the maximum of 20.



When a user creates a password in workbench or Web UI that does not meet the password criteria, an error message displays.



Existing users are not affected by newly enabled password settings unless they change or reset their passwords after the password strength validation parameter has been enabled.

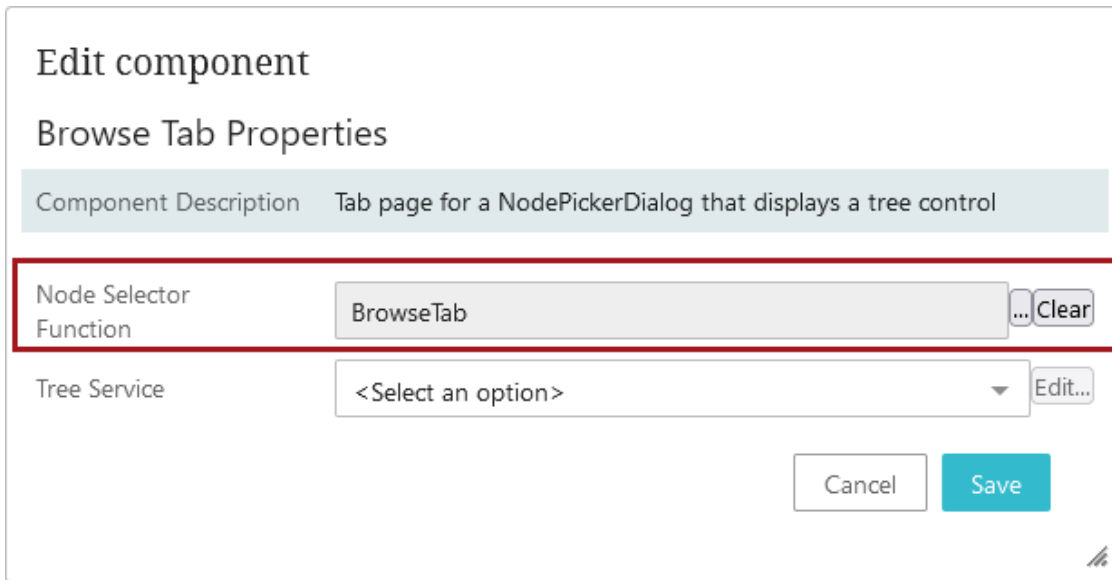
The 'Lock out User after 3 consecutive login attempts' parameter has also been updated. Previously, if a user was locked out after three (3) consecutive invalid login attempts, and the user's password was reset, the lockout time period did not reset. If the user then entered their new password incorrectly, they were locked out after the first attempt. This has now been updated so that the time out period also

resets when the user's password is reset, and users have three (3) attempts to log back into the system with the new password.

For more information, refer to the Security Policy topic in the System Setup documentation.

■ **New Browse Tab business function**

A new parameter field for the Browse tab on a Node Picker Dialog called 'Node Selector Function' enables users to select a business function that brings the user directly to the desired node.



Edit component

Browse Tab Properties

Component Description Tab page for a NodePickerDialog that displays a tree control

Node Selector Function ... Clear

Tree Service Edit...

Cancel Save

The ability to select a business function that returns a specific node aids users who need to make numerous references throughout their work day. Being brought directly to the relevant node saves valuable time and enables them to complete their tasks more efficiently instead of having to navigate to the desired node each time.

To enable, users must select a business function for the 'Node Selector Function' written in JavaScript that has a Return Type of 'Node.'

☐ Edit Operation
✕

JavaScript Function ▾

Binds: 🔑 Binds

Variable name	>	Binds to	>
---------------	---	----------	---

Messages: 🔑 Messages

Variable name	>	Message	>	Translations	>
---------------	---	---------	---	--------------	---

Input Parameters: 🔑 Parameters

Parameter name	Type	Description
node	Node	node

Return Type: 🔑 Return Type

Return Type	>
Node	

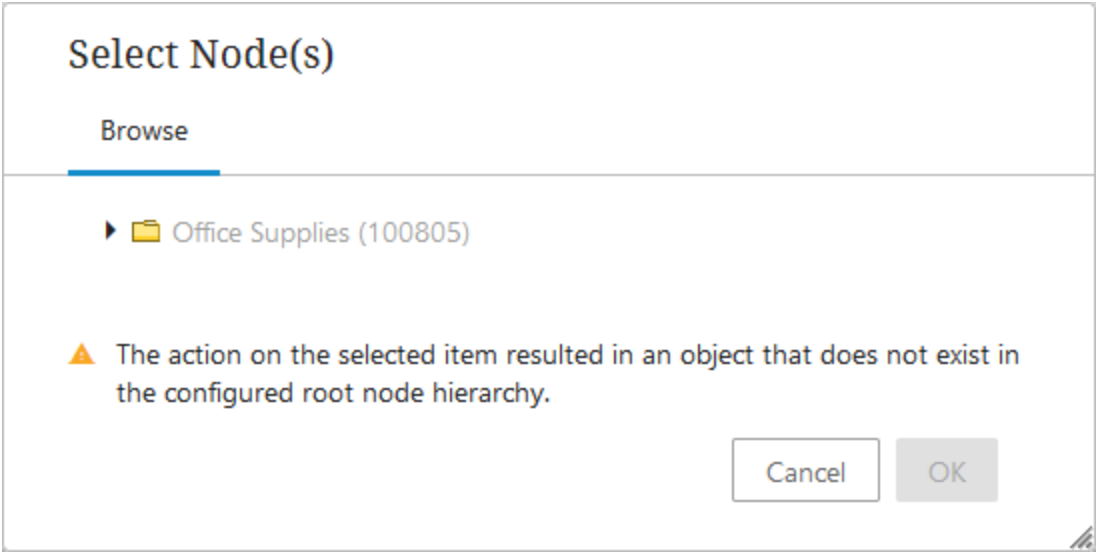
JavaScript:

```
1 return Node.getParent();
```

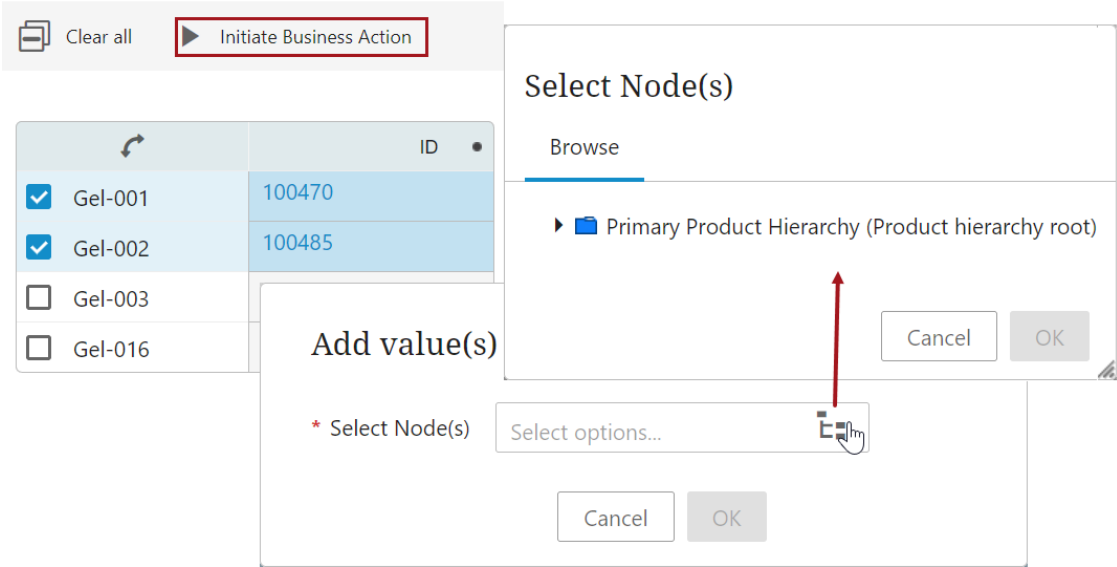
[Edit externally](#)

The business function selected in the 'Node Selector Function' field will be executed only if the user has selected one object and the starting node exists.

If the business function configured in the Node Picker Dialog returns a node that does not exist in the static root node hierarchy, a warning message displays, and the user can manually navigate to the desired node.



If more than one object is selected, the 'Node Selector Function' field will be ignored and the top-most node in the hierarchy will display.



For more information on the new 'Node Selector Function' parameter, refer to the Node Picker Dialog topic in the Web User Interfaces documentation.

■ Classification attributes in Smartsheets

To provide a more streamlined and user-friendly experience for end users during export, the parameter 'Classification roots for inherited attributes' in Excel Smartsheet has been improved. Previously, selecting a classification that had a parent folder exported all the attributes linked to the parent classification. Now, if a child classification is selected within the parameter, then the attributes linked to the child classification will be exported, but it will not include the attributes from the parent

classification. When a parent classification is selected within the parameter, all the attributes linked to the selected classification and the attributes linked to the classifications beneath it will be exported.

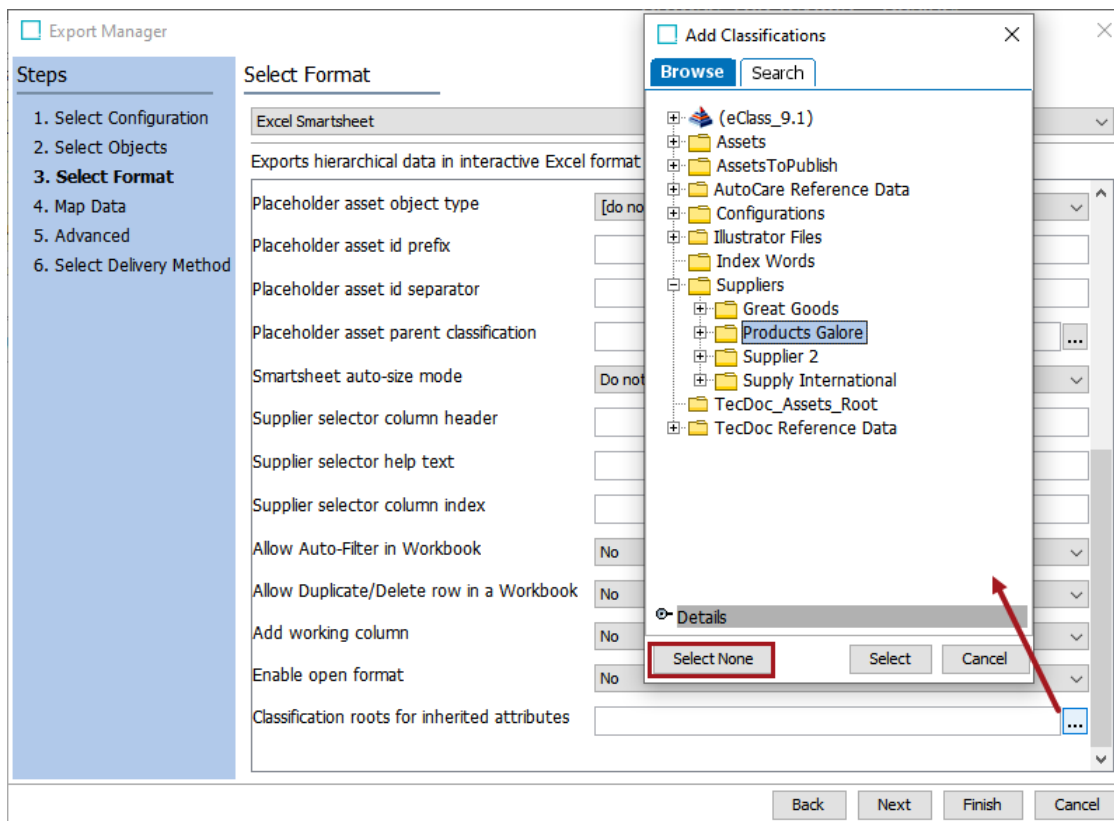
Additionally, if a List of Values (LOVs) attribute is linked to different levels of classifications, and has been filtered differently in each classification, then during the export it first checks for the product linked to the classification and only exports the LOV values linked to that classification. When the same product is linked to two or more classifications the common LOV values will be extracted in the export file, assuming all the classifications are added to the parameter 'Classification roots for inherited attributes.'

Lastly, List of Values attribute (LOV attribute) was not handled properly when a product was not linked to a classification that the LOV attribute was valid for, it previously displayed incorrectly and was still editable when exported in the Smartsheet. This has now been fixed and the LOV attribute will be marked as yellow and in 'Read Only' mode. Additionally, the cells will be ignored during online validation and imports.

If an attribute is not mapped to the Excel Smartsheet wizard but it is linked to the classifications, it will not get extracted in the exported file.

■ **New 'Select None' button for 'Classification roots for inherited attributes' field**

Previously, when the Excel Smartsheet format was used during export, if a classification was selected for the 'Classification root for inherited attributes' field, the user was not able to clear the field if needed. Now, if the user needs to clear the field, they can do so by clicking the 'Select None' button in the lower left side of the 'Add Classifications' dialog. This helps users to refine their export and prevent them from having to completely close out of the export manager and start over.



For more information on the Export Manager using the Excel Smartsheet format, refer to the Excel Smartsheet Format topic in the Data Exchange documentation.

■ Profiling performance improvements

Profiling performance has been optimized and can now successfully process 100 million entity, classification, and product records. For collections, the profiling performance enhancement is limited to 35 million records.

For more information, refer to the Data Profiles documentation.

■ New List Processing 'Find Similar Master Data' operation

The new Find Similar Master Data operation available to List Processing in the Web UI identifies any entity or product type in the database that matches the content of a list. For example, this operation can compare a prospect list to customers in STEP and potentially eliminate unnecessary mailings intended for new customers only. During this operation, list record entities are transformed into the specified master data object type based on a List Processing Find Similar Configuration. This operation uses existing matching logic and data transformations to match prospect list records to master data entities or products, run match scoring to identify the existing master data, and add master data to list records.

List processing functionality is optional and available on systems with the activated List Processing commercial license (in addition to the standard Customer MDM domain license). Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

For more information, refer to the List Processing Find Similar Master Data Operation topic in the Data Preparation documentation.

■ **Machine Learning Matching Agent (MLMA) allows downloadable machine learning scores**

Now, the matching agent component allows the customer to download machine learning scores from the recommendation background process. The MLMA functionality is in the ramp-up phase, so early adopters will need to apply the latest version of the MLMA component along with upgrading to 10.3-MP2. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

Details on the MLMA and the matching agent component can be found in the Machine Learning Matching Agent topic in the Matching, Linking, and Merging documentation.

■ **DSA key support update / Cluster SSH Configuration topic updated**

DSA keys are not supported for STEP cluster communication for customer systems taking SPOT version 7.79.0 and higher. This SPOT version was first available with the 10.3 release, and the 10.3 release notes have been updated accordingly. Impacted on-premise customers should refer to the newly revised Cluster SSH Configuration topic which can be found in the System Administration Guide on the Downloadable Documentation.



BUGFIXES

■ **ISSUE-460829 - Sorting issue fixed for column in Web UI**

Fixed the sorting for the Target or Reference Metadata Value column on a Web UI Node List.

■ **ISSUE-464044 - Export Configurations order fix**

Previously, Smartsheet Export Configurations did not appear in the same order as they were configured in Web UI Design Mode when the user clicked on the Export Smartsheet Action on a Web UI Node List. Now, they are displayed in the correct order.

■ **ISSUE-465433 - Wildcard error message detail fix**

The error messages for wildcard searches via the Search Panel in Web UI have been modified to include more details, so it is easier for the user to determine the issue. A hotfix is available for step-10.2-mp3.

■ **ISSUE-467300 - XML formatting fix for post-processor**

The XML formatting was wrong when using the 'Copy context dependent values and references' post-processor. This has been fixed.

■ **ISSUE-470007 - Product to classification link type fix**

For Cassandra-based STEP systems, an issue where old versions of product to classification link types were shown in the workbench was fixed. Now, these old versions are gone.

■ **ISSUE-470189 - Performance fix for Excel Translation**

Fixed a performance issue related to clearing out filtered rows in Excel Translation.

■ **ISSUE-477716 - Web UI duplicate error message fix**

Introduced a configuration property to allow duplicate error messages to be displayed in Web UI. To enable this property, contact Stibo Systems Support.

■ **ISSUE-490889 - Scheduled translation locale fix**

Now, scheduled translations export in locales defined from the configuration file, rather than just the current context.

■ **ISSUE-498149 - Shared search configuration**

Introduced the possibility to specify a list of users who will be able to maintain shared searches. To configure this list, contact Stibo Systems Support.

■ **ISSUE-501750 - Asset size and asset upload validation fixes**

On the Web UI Node List, asset size is now validated as an integer, and the asset.uploaded value will be validated as ISO date and time format.

■ **ISSUE-502040 - Export Manager error fix**

Fixed an error that occurred intermittently when a user added items on the Select Objects step of the STEP Workbench Export Manager dialog.

■ **ISSUE-502404 - Performance fix for auto classification**

Performance has been optimized for navigating between classifications in STEP Workbench when you have a large number of auto classification rules.

■ **ISSUE-505787 - Configuration property introduced to block file extensions**

The Web UI Referenced Asset Representation component used to accept all types of files. For clients that want to follow OWASP security suggestions, there was no way to block file extensions that could be dangerous (like .exe or .jsp). A new configuration property, `AssetImporter.Upload.ForbiddenFileExtensions`, has been introduced. This property allows a client to put a comma-separated list of forbidden extensions. These forbidden extensions will be rejected from the upload.

■ **ISSUE-506004 - MOV and MP4 file import fix**

Now, both MOV and MP4 files will be identified when importing. A hotfix is available for step-10.2-mp3.

■ **ISSUE-507490 - Performance fix for node deletion**

Performance improvements have been made for when a user deletes nodes that contain large amounts of data containers.

■ **ISSUE-508321 - Link fix for deleted publication pages**

Previously, links were available for publication pages that no longer exist in the workbench. Now, the links are not displayed.

■ **ISSUE-509700 - Importer optimistic locking fix**

Reduced the likelihood of getting optimistic locking exceptions from the STEP Importer when there are a lot of cross references in the import.

■ **ISSUE-509983 - CSV export fix for empty values**

Fixed an issue where the CSV export did not work properly when the 'Allow Empty Values' parameter was set to 'yes.'

■ **ISSUE-510923 - Match code values and unique key values fix**

For Cassandra or Oracle In-Memory systems where STEP forced load key and rankscore table into In-Memory, unique key values and match code values are now deleted when purging objects. Previously, Cassandra-based systems would get an optimistic locking exception on the Recycle Bin. This has been fixed.

■ **ISSUE-512235 - Data container type fix**

When accessing a data container type, an internal error occurred when the type had been linked to a product but the link had been removed. This has been fixed.

■ **ISSUE-512366 - LOV international character fix**

The In-Memory component of STEP had an error with search and lookup of values that contained a certain international character. This prevented selecting ListOfValues values that contained that character. This has been fixed.

■ **ISSUE-512603 - Inherited reference export fix**

Fixed an issue that occurred when an inherited reference in a Product to Classification Link was not exported if a child with an inherited link was exported together with a parent.

■ **ISSUE-513168 - NPE fix for Variants Matrix tab**

Fixed a NullPointerException (NPE) that occurred when changing the dropdown value on the Variants Matrix tab in Web UI.

■ **ISSUE-513232 - Memory fix for deletion of product references**

Now, intermediate commits can occur while product references are deleted. This will prevent the application server from running out of memory when a classification has a large number of product links.

■ **ISSUE-513365 - NPE fix for data container references**

Fixed a NullPointerException (NPE) that was thrown when exporting data container references and the data container object owning these references had been deleted.

■ **ISSUE-513717 - Compact Soft Migration tablespace fix**

The Compact Soft Migration only worked on standard STEP databases using the STEPSYSDATA tablespace. This has now been fixed so that the Compact Soft Migration works for databases that use other tablespaces, and a hotfix is available for step-9.0-mp5.

■ **ISSUE-514302 - Thumbnail component fix**

Fixed an issue in Web UI where the thumbnail component would cause an exception to be thrown.

■ **ISSUE-515431 - Global value search configuration for Search Widget**

Introduced a configuration property that can re-enable a global value search on the Search Widget in Web UI. The global search is disabled by default, and using the search plugins is recommended instead. To enable this property, contact Stibo Systems Support.

■ **ISSUE-515568 - MIME type fix for Azure**

MIME type detection in STEP has been changed in order to prevent an error with Azure.

■ **ISSUE-515731 - Basket Screen fix**

Corrected an issue with long-running requests to get information for the Basket Screen in Web UI. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-518716 - Grouping Option NPE fix**

Fixed a NullPointerException (NPE) that occurred on the Grouping Option value component on a Web UI Node Editor screen.

■ **ISSUE-520550 - Proper Exception Handling in STEP Workbench**

Fixed a NullPointerException (NPE) that was thrown instead of a proper error message in STEP Workbench.

■ **Property Direction loading issue fix**

Fixed a loading issue that occurred when the Property Direction was set to 'vertical' on the Multi Reference component on the Web UI Node Editor. A hotfix is available for step-10.2-mp1.

■ **Splitter Source maximum size configuration property**

It is now possible to change the maximum size for the Inbound Business Rule Based Message Processor's Splitter Source. To toggle this configuration property, contact Stibo Systems Support.

■ **List Processing upload fix**

Fixed a Web UI error that occurred during a List Processing upload when the system is run with Keycloak SSO.

■ **Value Generator fix**

Previously, empty lines and absent business function results were included in the values from the Value Generator. These are now excluded, and there is a warning in the log when there are empty lines or no business functions.

■ **NPE fix for Product translation**

Fixed a NullPointerException (NPE) which occurred when a product was sent to translation using asynchronous service and Lionbridge. This exception occurred only in a specific case when the user had installed customization that changed the translation file name.

■ **Value components line break fix**

Fixed an issue where line breaks were not displaying properly for value components on the Product Editor screen.

■ SPOT fix for other servers in a cluster

SPOT failed to start other servers in a cluster on Windows. This has been fixed.

■ ECLASS 6.0 Industry Standard fix

Fixed an error that occurred while importing ECLASS 6.0 Industry Standard.

■ Debugging option added for Experian in Direct mode

A debugging option has been introduced to create mapDB for Experian in Direct mode.

■ STEPXML name tag fix

Previously, there was an issue copying product names when there was no name tag in STEPXML. This has been fixed.

■ Inherited value mapping fix

Now, when a new value is added to an LOV using the Add LOV Value by ID method, the inherited values will be mapped correctly.

■ Asynchronous translation filter fix

Previously, when doing an asynchronous translation, if a business action was created with a 'Start Translation' action and 'Current Object' was selected as 'Object Selection,' then 'Filter Options' was incorrectly applied. Now, the filter options are only applied if an object has been selected in the configuration.

■ Date value fix for Attribute Value component

Fixed a validation error with date type that occurred on the Attribute Value component on a Web UI Node List when the Enable Locale Formatting option was set. Previously, an error would occur when pasting date values with an expected date format into the field.



PERFORMANCE ENHANCEMENTS

■ Workbench performance enhancements

The performance of the workbench depends heavily on latency between it and the server. Some editors make multiple roundtrips for a single operation. Areas where this was especially an issue have been improved:

- Business rule editor when opening/closing bind dialog
- Export manager when expanding the "All Attributes" flipper

- Combined two server calls into one when expanding most nodes in the tree navigator
- Improved start-time for import wizard (and inbound endpoint integration wizard)

PATCH RECIPE

The 10.3-MP2 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.3-mp2.spr
```

—OR—

```
spot --upgrade=step:10.3*
```

** Before installing the recipe provided by the SPOT --upgrade functionality, review the baseline and component versions that the system will be upgraded to before applying. Verify that the baseline and/or components are the correct versions to be applied (i.e., the versions you did testing on—and not a higher, untested version).*

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT --upgrade command to also find compatible components that can be added at the same time as the baseline patch (--upgrade=all) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, 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 from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch 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 will be displayed.**

Product MDM for Automotive 10.3 - 7.0.43 Patch Notes

Release Date: February 01, 2022



NEW FEATURES

■ **Improvements to the Value editor dialog of the Application Condition Header - Group table header component**

Previously, the 'Value editor' of the Application Condition Header - Group table header component (configured in the Application Manager Screen) only included a typeahead field to add new conditions. Now, there is a Node Picker icon available next to the typeahead field that allows users to manually browse through to select attributes. In addition, the new Node Picker is enhanced to display only the relevant attributes that could be set as conditions.

Value editor - 1 item selected


ACES Years Calculated Revert to calculated value
 Enter overwrite value

CodeKey1

Mfr Label

Position

Quantity



BUGFIXES

All Standards

- **Corrected irregularities in displaying the health of the mapper rows**

Previously, the Application Mapping plugin exhibited some inconsistencies in determining the health of the mapper. This issue is now fixed.

- **Corrected an issue in the Application Mapping plugin**

Previously, the Application Mapping plugin exhibited irregularities in copying the attribute values to the target application record when the target application record had a multivalued attribute which was also set to inherit values from its parent. The multivalued attribute was populating values from the Mapping and also from the parent object as an inheritance. Now, the issue is resolved so that the attribute will no longer inherit the value from the parent if the mapper sets the local value in the target application record.

Hotfix recipe compatible with STEP 10.2 MP3 + Automotive-7.0.40: `to:hotfix/517/issue-517505-HOTFIX-5527.spr`

Auto Care

- **Corrected an issue related to the PCdb Importer**

Previously, there were a few incidents of the AutoCare PCdb Import background process failing with a deadlock error if the users ran multiple processes simultaneously. This issue has been fixed.

Hotfix recipe compatible with STEP 10.1 MP4 + Automotive-7.0.36: `to:hotfix/517/issue-517463-HOTFIX-5524.spr`

PATCH RECIPE

The Automotive add-on can be installed with the following recipe:

`to:automotive/7.0/automotive-7.0.43.spr`

The above recipe is compatible with the following STEP 10.3 MP2 baseline recipe:

`to:step/platform/step-10.3-mp2.spr`

Important: Once an Automotive add-on is installed to a base STEP system, the base system cannot be upgraded without upgrading the Automotive add-on at the same time. Additionally, when upgrading any base STEP system that has any Automotive add-on installed, both install recipes must be prepared at the same time.

For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

10.3-MP3 Maintenance Patch Notes

March 2022



NEW FEATURES & IMPORTANT UPDATES

■ New parameter for JDBC Delivery Method

As described in ISSUE-422105 (found in the Bugfixes section), a new parameter has been added to the JDBC delivery method configuration options for Export Manager and OIEPs. This new Convert 'NULL' parameter is a Yes / No parameter. Set to Yes to indicate if the string 'NULL' should be converted to the value null.

The default value of the parameter is No. Existing customers have the new parameter in the user interface, but do not have to update (save) their existing configurations, unless / until changing the value to Yes.

The screenshot shows a dialog box titled "Edit Delivery Configuration" with a close button (X) in the top right corner. The "Select Delivery Method" dropdown is set to "JDBC". Below this, several fields are visible: "Driver Location" (L:/shared/mysql-connector-java-5.1.42-bin.jar), "Driver Class" (com.mysql.jdbc.Driver), "Database URL" (jdbc:mysql://localhost:3306/mydb), "Username" (user1), "Password" (masked with dots), "Table Name" (stepdata), "Key Columns" (id), and "Delete Key Columns" (id). At the bottom, the "Convert 'NULL'" dropdown is highlighted with a red border and is set to "No". "OK" and "Cancel" buttons are located at the bottom right of the dialog.

■ ISSUE-513297 - Restyled Web UI Announcements

The Web UI Login Page Announcements has been restyled to avoid showing scrollbars when they are not necessary. Also, the Announcements component will now be shown to the left of the Login area instead of above the Login area.



BUGFIXES

■ ISSUE-395358 - Admin portal fix

A security fix has been implemented for the admin portal.

■ ISSUE-422105 - JDBC null value fix

Previously with JDBC delivery, it was only possible to pass strings to the SQL statements generated for inserting / updating the target database. Additionally, the string 'NULL' did not work. Now, there is a Yes / No parameter to the JDBC delivery configuration, allowing the user to indicate if the string 'NULL' should be converted to the value null.

■ ISSUE-463244 - Fix for custom message validation error on ISO Date

Now, custom error validation messages (set in the Validation Error Message meta attribute for an attribute) will be correctly shown for ISO Date validated attributes on Web UI Node Editor when a user tries to type in an incorrect value. Previously, the standard STEP message was displaying rather than the customer-entered validation error.

■ ISSUE-466535 - Fix for issues editing Embedded Number attributes

Fixed a problem that occurred when a user edited an Embedded Number's body / suffix / prefix and then clicked outside of the editor on a Web UI Node Editor screen. The screen did not reflect the enabled state of Node Editor's buttons. A hotfix is available for step-10.3-mp2.

■ ISSUE-472349 - Error notifications combined

Introduced possibility to combine data issues reports in Web UI by severity. For example, if the Run Business Action component has to show multiple alerts of the same severity, they will be combined into one alert. Alerts with different severities will be grouped in different groups. To toggle this possibility, contact Stibo Systems Support. There is also a hotfix for this solution applicable to step-10.0-mp3, step-10.0-mp4, and step-10.0-mp5.

■ ISSUE-473472 - Fix for exception when invoking GraphQL API with input condition

Backported an existing fix to 10.1-mp4, 10.1-mp5, and step 10.1-mp6 that makes context / workspace holder thread safe.

■ ISSUE-482456 - Refresh Collection checkbox fix

Previously, the Refresh Collection checkbox on the second step of the Translation Wizard in workbench was not checked when editing a saved translation configuration that had the checkbox checked. This has been fixed so that the checkbox value is saved.

■ **ISSUE-486759 - Apply View fix for attributes**

Previously, adding attributes via the Apply View button would not always add the attributes correctly. This has been fixed. There is a hotfix solution available for step-10.2-mp3 and step-10.3.

■ **ISSUE-494080 - New line n character regular expression search fix**

It is now possible to search for special characters using Java escape sequences. For example, you can search for n to find new lines.

■ **ISSUE-494208 - Fix for showing nested groups for Table Header Value Group**

Introduced a possibility to force nested attribute groups to be included in the Table Header Value Group, which is being added to the User Configurable View on Web UI Node List. To enable this possibility, contact Stibo Systems Support. Hotfixes are available for step-10.1-mp3, 10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-503089 - Workflow deletion fix**

Fixed an issue involving user privileges and the ability to delete workflows.

■ **ISSUE-505331 - New sidecar logging**

Additional logging has been implemented in sidecar. Now, socketTimeout is configurable for sidecar. Hotfixes are available for step-10.1-mp3 - mp6.

■ **ISSUE-505533 - Solution to increase max file size upload**

Introduced a property that overrides the standard Apache file size limit and allows admins to control a maximum uploaded file size through the Web UI Asset Import Homepage Widget. To set this property, contact Stibo Systems Support. Hotfixes are available for step-10.1-mp1 - mp6.

■ **ISSUE-506787 - Back button / panel closure fix for Web UI**

Using the back button in the browser would cause the side panel to be collapsed, even if it was pinned. This has been fixed, and a hotfix is available for step-10.3-mp2.

■ **ISSUE-509245 - Corrected advanced merge issue for golden records**

Now, if Data Containers on merged golden records, which are about to be displayed on an Advanced Merge screen, do not have source information and use a key definition, they will be highlighted by comparing the Data Container Values instead of Data Container IDs on source record and Merge Preview columns. Hotfixes are available for step-10.1-mp3 - mp6.

■ **ISSUE-510581 - Fix for event processor failure**

Work was done to solve a 'connection timeout' problem when uploading assets to AWS S3 storage. The fix involved making sure to close existing connections to S3 after finishing an upload in order to avoid old session hanging. Hotfixes are available for step-10.1-mp3 - mp6.

■ **ISSUE-510713 - Inheritance symbol fix for Referenced Asset Representation component**

Now, an inheritance symbol will show next to an inherited reference asset representation on the Referenced Asset Representation component on the Web UI Node Editor.

■ **ISSUE-510717 - Optimistic Locking error fix for parallel imports**

Added a protection mechanism against Optimistic Locking errors that occurred during parallel imports. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-510803 - Tree navigation focus correction**

Now, a Tree Navigator configured on Global Navigation Panel in Web UI will correctly focus on selected item on a Tree when being expanded. This hotfix is applicable to step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-511241 - Fix for import file limit issue**

Improved error handling was completed for the Data Import component in Web UI so it will show a better exception when a user loads a file that exceeds a configured limit. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-512194 - Multi Level Reference export fix**

Now, the domain exporter is functionally aligned with the database exporter, so Multi Level References are exported correctly.

■ **ISSUE-512235 - Data container type fix**

When accessing a data container type, an internal error occurred when the type had been linked to a product but the link had been removed. This has been fixed.

■ **ISSUE-512262 - Search fix**

In-Memory only: Fixed problem that occurred when using 'Search from List' as a secondary criterion when used with an attribute using LOV-validation with value IDs. The search would not match the same values as it would when used as the primary criterion.

■ **ISSUE-512366 - LOV international character fix**

The In-Memory component of STEP had an error with search and lookup of values that contained a certain international character. This prevented selecting ListOfValues values that contained that character. This has been fixed.

■ **ISSUE-512968 - Fix for Data Container not showing saved dates**

Now, the Data Container popup editor will correctly show the values for date-validated editable attributes that are configured for a Data Container component on a Web UI Node Editor.

■ **ISSUE-513442 - Error message fix for blocked Web UI access**

Now, unparseable JSON representation of a Web UI Alert Notification will not block a user's access to Web UI. Instead, an error message will be logged at a browser console. This hotfix is applicable to step-10.2-mp3.

■ **ISSUE-513954 - Single reference configuration fix for Node Editor**

Fixed an issue that occurred when the '+' icon was enabled after the user canceled the row deletion on the References component on the Web UI Node Editor when a single reference was configured and did not allow for multiple references to be added.

■ **ISSUE-514510 - Last Edited By fix for Web UI**

Previously, when an object was edited, the Last Edited By component on the Attribute Management Screen in Web UI showed the user ID. Now, the Last Edited By field shows the username.

■ **ISSUE-515184 - NPE fix for Proof View Editor**

Fixed a NullPointerException (NPE) that was thrown in the workbench Proof View Editor. Hotfixes are available for step-10.1-mp3 - mp6.

■ **ISSUE-515284 - Smartsheet SSO authentication fix**

Fixed an issue that occurred when Excel Smartsheet could not be validated on a Mac when using SSO authentication. Hotfixes are available for step-10.2-mp3, step-10.3-mp1, and step-10.3-mp2.

■ **ISSUE-515912 - Privilege fix for uploading assets via Insert Asset**

Now, a more informative message will be shown when a user without privileges to upload assets tries to upload an asset on the Web UI Node List via the Insert Asset toolbar action. A hotfix is available for step-10.2-mp3.

■ **ISSUE-516320 - Mail fix for OIEP**

In the workbench, renaming mail content failed and caused the message to either not be delivered, or delivered without the attachment during an OIEP and normal export in STEP. This has been fixed.

■ **ISSUE-517039 - Fixed issue with Lookup Table**

Introduced a configuration property to disable splitting the Lookup Table keys by 'multisep' separator. To enable this property, contact Stibo Systems Support. This solution was also backported to 10.2-mp3.

■ **ISSUE-517049 - Change to logging to diagnose recycle bin issue**

Customer-specific change made to log more information in the server log when emptying the Recycle Bin. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-517853 - Performance fix for Alert notifications**

Previously, when multiple business conditions were configured on the Web UI Node Editor, a large number of requests updated Alert notifications, causing performance issues. This has been fixed, and hotfixes are available for step-10.1-mp1 - mp6.

■ **ISSUE-518337 - Fix for number validator exception**

Fixed a problem occurring when Attribute Validated Parameter values on the Run Business Action popup in Web UI were incorrect when a user pressed a tab on one of the parameter values without selecting a unit from the suggestion. There is also a hotfix solution available for step-10.2-mp3.

■ **ISSUE-518529 - Table free text encoding fix**

Fixed how the table free text is encoded when exported from the workbench.

■ **ISSUE-518604 - Oracle performance fix**

A performance fix has been added to Oracle's query to choose an optimal execution plan for finding workflow tasks for vendor users. There is also a hotfix solution available for step-10.2-mp3.

■ **ISSUE-518757 - Fix for suppressed elements on InDesign pages generated with Autopage**

Fixed a problem in the DTP plugins occurring when trying to mount a frame that had no valid anchors and was in a group. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-519061 - Additional logging for exporting**

Extra logging has been implemented for exporting. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-519330 - Fix for issue on chained post processor when running in parallel**

Postprocessor invocation was not thread safe. The same instance was used by different threads, which could lead to race conditions. Post processor creation was changed in Chained Post Processor so that a new instance is created for each invocation.

■ **ISSUE-519517 - Fix for NPE when loading assets**

Fixed possible reasons of NullPointerException (NPE) happening when uploading assets using the Asset Importer File Upload component in a Referenced Asset Representation component on a Web UI Node Editor screen. There is also a hotfix for step-10.1-mp1 - mp6.

■ **ISSUE-519710 - Kafka Receiver Group ID override**

Added option to manually override 'Group Id' parameter for the Kafka Receiver. Contact Stibo Systems Support if you ever need to implement this solution. A hotfix is applicable to step-10.2-mp3.

■ **ISSUE-520014 - Separator fix for Bulk Update**

Now, the 'multisep' separator does not appear when data is entered on a multivalued attribute for Bulk Update Action in Web UI. A hotfix is available for step-10.2-mp3.

■ **ISSUE-520261 - Multi Context Screen LOV fix**

Now, it is possible to delete the LOV values on the Web UI Multi Context Screen. A hotfix is available for step-10.2-mp3.

■ **ISSUE-520526 - Blob Storage fix**

Now, Contentdetector class is imported for Amazon's Blob Storage. A hotfix is available for step-10.3-mp1.

■ **ISSUE-520536 - Fix for batch size issues during upgrade**

A Cassandra database customer-specific batch size issue was identified and fixed during upgrade to 10.3 maintenance patch upgrade. There is a hotfix for this solution for step-10.3-mp2.

■ **ISSUE-520550 - Proper Exception Handling in STEP Workbench**

Fixed a NullPointerException (NPE) that was thrown instead of a proper error message in STEP Workbench. A hotfix is available for step-10.3-mp2.

■ **ISSUE-521269 - Business function proxy invocation handler fix**

The business function proxy invocation handler has been improved so that it is now thread safe. A hotfix is available for step-10.3-mp2.

■ **ISSUE-521574 - Validation error fix for ISO Date**

Fixed date pattern for Danish locale on a Web UI Node Editor screen for the Attribute Value component. Previously, it was shown with single 'y' for year and now it is shown as 'yyyy.'

■ **ISSUE-521637 - Oracle to Cassandra migration exporter fix**

Previously, execution report row counting was aligned with the way we export rows (includes usertype constraint). There was a discrepancy in row counts that was preventing the import from working. There is a hotfix available for this solution applicable to step-10.2-mp3, step-10.3, and step10.3-mp1 and mp2.

■ **ISSUE-522092 - Fix to avoid application server running out-of-heap memory**

The hotfix will terminate exports in the conversion/mapping step, if there are more than 50K classifications being exported. This is done in order to avoid an application server crash due to running out of memory. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-522193 - Default timeout extended to prevent login issues**

The default timeout for Workbench Launcher was extended to fix an issue preventing users to log in to workbench. Hotfixes are available for step-10.2-mp2, step-10.2-mp3, step-10.3-mp1, and step-10.3-mp2.

■ **ISSUE-522664 - Solution for InDesign servers being unavailable**

Added a new property to the InDesign Sidecar that allows it to retry attempts to servers when checking system status. Hotfixes are available for step-10.1-mp3 - mp6.

■ **ISSUE-523004 - Fix for Smartsheets template mapped with attribute groups**

Introduced a possibility to change a STEPXML attribute export size during Smartsheet export to allow users to export mapped Attribute Groups with attributes that are invalid for selected product but valid for selected object type. To toggle this property, contact Stibo Systems Support.

■ **ISSUE-523976 - OIEP Email delivery attachment fix**

Fixed problem occurring when an attachment was not included into Email delivery from OIEP. This hotfix is applicable to step-10.2-mp3.

■ **ISSUE-524174 - LOV error fix**

Fixed unexpected exception, shown on Web UI Node Editor, when user was selecting an LOV value for an Attribute Value component with Typeahead display mode, and when there was more than one duplicated value with different IDs, and Show LOV Ids option was not set for this component in Design Mode. There is also a step-10.2-mp2 hotfix available for this solution.

■ **ISSUE-524258 - Fix for import with replacement rule failure**

Fixed a problem occurring when there was a namespace prefix 'ns' in imported STEPXML. This caused an import to fail if it contained more than two (2) of these tags - Entities / Classifications / Assets / Products.

■ **ISSUE-524524 - Fix for error when adding a Web UI screen**

Fixed a NullPointerException (NPE) for screens that utilize a Node List in Design Mode when the Node List is not yet configured. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, step-10.1-mp6, and step-10.3-mp2.

■ **Property Direction loading issue fix**

Fixed a loading issue that occurred when the Property Direction was set to 'vertical' on the Multi Reference component on the Web UI Node Editor. A hotfix is available for step-10.2-mp1.

■ **Splitter Source maximum size configuration property**

It is now possible to change the maximum size for the Inbound Business Rule Based Message Processor's Splitter Source. To toggle this configuration property, contact Stibo Systems Support.

■ **Value Generator fix**

Previously, empty lines and absent business function results were included in the values from the Value Generator. These are now excluded, and there is a warning in the log when there are empty lines or no business functions.

■ **NPE fix for Product translation**

Fixed a NullPointerException (NPE) which occurred when a Product was sent to translation using asynchronous service and Lionbridge. This exception occurred only in a specific case when the user had installed customization that changed the translation file name.

■ **Value components line break fix**

Fixed an issue where line breaks were not displaying properly for value components on the Product Editor screen.

■ **Asynchronous translation filter fix**

Previously, when doing an asynchronous translation, if a business action was created with a 'Start Translation' action and 'Current Object' was selected as 'Object Selection,' then 'Filter Options' was incorrectly applied. Now, the filter options are only applied if an object has been selected in the configuration.

■ **SPOT fix for other servers in a cluster**

SPOT failed to start other servers in a cluster on Windows. This has been fixed.

■ **Debugging option added for Experian in Direct mode**

A debugging option has been introduced to create mapDB for Experian in Direct mode.

■ **STEPXML name tag fix**

Previously, there was an issue copying product names when there was no name tag in STEPXML. This has been fixed.

■ **Email fix for password recovery page**

Fixed an issue where the user email was case-sensitive on the password recovery page in Web UI when SSO was enabled. A hotfix is available for user-administration-7.0.2.

■ **Scheduled translation locale fix**

Now, scheduled translations export in locales defined from the configuration file, rather than just the current context.

■ **Logging level change for PDX post actions**

The logging level for PDX post actions has been lowered so it does not trash the log file.

■ **Privilege fix for integration endpoint via REST API V2**

Previously, it was possible to invoke, enable, or disable an integration endpoint via a REST API V2 call if valid STEP credentials were provided. This was also possible for users who had view-only privileges. Now, the privileges for the current user are checked before performing the invoke, enable, or disable action.

■ **Misleading diagnostics fix**

Fixed an issue that occurred with misleading diagnostics about business logic files. Now, old, misleading business logic files will not be added to the diagnostics package.

■ **Unused PDX plugin removed**

An unused plugin has been removed from PDX to prevent an error in the logfiles.

■ **File name template change for multi threading**

In the case of a multi threading environment, if the file name template is set to `yyyymmddhhmmss`, then there is a high probability that multiple threads can trigger at the same second, thereby ending up with

files with the same name for all the threads running in parallel. Now, batch number and the thread ID have been added to the file name, ensuring that separate files with unique names are created in case there is a multi threading environment.

■ **Publish button fix**

Now, the Publish button in the Web UI basket popup will not be shown if the system does not have a PDX Syndication integration license.

■ **Globally Revisable Entity nested references fix**

Now, the deletion of nested references for the Globally Revisable Entity on the Web UI Nested References Editor will not cause dependency exceptions related to uncommitted references. A hotfix is available for nested-references-7.0.7.

■ **Log level fix for PDX**

The log levels for sendCollectedAssets and for PDX post actions have been lowered. Also, missing null checks for single data container objects have been added. A hotfix is available for productdatasyndication-integration-7.0.29.

■ **Lionbridge translation fix**

When sending objects or files for Lionbridge translation, if STEP polled Lionbridge for the status of the translation at a time where only a number of the requested translations were ready, then STEP did not properly handle the files that still needed to be translated. Now, STEP waits for all files to be translated before importing the translated files.

■ **Product Editor Screen save fix**

Fixed an issue that occurred when the browser's back button was clicked after a successful save on the Product Editor Screen in Web UI. Hotfixes are available for ui-product-editor-7.0.19 and ui-product-editor-7.0.20.

■ **Rejected Product error fix**

Previously, a 'Rejected Product' error message was thrown when attempting to import supplier data. This has been fixed.

■ **Connection timeout fix for S3**

A connection timeout occurred when uploading assets to AWS S3. Now, existing connections to S3 will close once the upload has completed to avoid old sessions hanging. Hotfixes are available for step-10.1-mp3 - mp6.

■ NPE fix for Multi Context screen

Fixed a NullPointerException (NPE) that was thrown when the user selected a non-product node on the Multi Context screen and clicked the Multi Context Edit action. Multi Product Editor only supports products, which is now reflected in the component's description.



PERFORMANCE ENHANCEMENTS

■ ISSUE-488205 - Solution for long batch processing time

Improved the performance of accessing the same reference / CP-link query multiple times in background processes. Now, the set of read references / CP-links are cached, and if asked for it again, the cached version is returned. This will have an improved performance effect for background processes that access references or CP-links multiple times through the domain layer. For example, exports that have calculated attributes accessing references / CP-links in different contexts. There are hotfixes available for step-10.2-mp3, and step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ ISSUE-511430 - Workbench performance improvements for large numbers of autotclassification rules

Loading a large number of autotclassification rules can take a long time. Now, when viewing a classification with autotclassification rules, the flipper starts closed and the rules are not loaded before the flipper is opened.

Showing a table with too many autotclassification rules can cause the workbench to run out of memory. Now, the number of rules shown in a table is limited by the property `AutoClassification.RuleTable.MaximumNumberOfRows`, which defaults to 3500.

■ ISSUE-521042 - Performance fix for domain exporter

The fix ensures that time is not spent analyzing Product to Classification links when products are not being exported. A hotfix is available for step-10.2-mp3.



DOCUMENTATION UPDATES

■ Release and Maintenance Patch Notes update

For unsupported platform versions (i.e., 9.1), the release and maintenance patch notes were removed from online help. They are still accessible via the customer portal (Jira) within the Release Information dashboard. 9.1 Automotive maintenance patch notes were also removed and can be provided upon request.



PATCH RECIPE

The 10.3-MP3 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.3-mp3.spr
```

—OR—

```
spot --upgrade=step:10.3*
```

**** Before installing the recipe provided by the SPOT -- upgrade functionality, review the baseline and component versions that the system will be upgraded to before applying. Verify that the baseline and/or components are the correct versions to be applied (i.e., the versions you did testing on—and not a higher, untested version).***

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, 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 from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch 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 will be displayed.**

Product MDM for Automotive 10.3 - 7.0.44 Patch Notes

Release Date: March 01, 2022

There is no new functionality or bugfixes included with this release. The 10.3 - 7.0.44 installation recipe makes the automotive component compatible with the released core code for STEP 10.3-MP3.

The automotive baseline update can be installed with the following recipe (and must be installed with the core 10.3-MP3 recipe):

```
to:automotive/7.0/automotive-7.0.44.spr
```

For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

10.3-MP4 Maintenance Patch Notes

March 29, 2022



NEW FEATURES - MISC

■ REST API V2 added to baseline

With 10.3-MP4, the 'restapiv2' component is part of the baseline functionality and no longer needs to be added separately. Licensing does not change (i.e., the Web Services API commercial license must be enabled).

■ InDesign CC 2022 (CC17) support added

Support for InDesign CC 2022 is included with 10.3-MP4.

■ Proxy Support available for Lionbridge V1 and SDL Asynchronous translations

To support proxy for Async translations, a 'Proxy config' parameter is introduced in the Asynchronous Service Configuration Wizard for Lionbridge (V1) and SDL. Configuration details can be found in the Configuring an Asynchronous Translation Service topic in the Asynchronous Translations section of the Data Integration documentation.

■ Proxy Support available for Faceted Search

Four new configuration Elasticsearch properties are introduced to support proxy in Faceted Search. These properties are listed in the Initial Setup for Elasticsearch topic in the Search Screen documentation.



NEW FEATURES - FACETED SEARCH ENHANCEMENTS AND CHANGES

The following enhancements have been made to the Faceted Search solution, which offers a modern search experience powered by Elasticsearch.

Elasticsearch is used by the Web UI Search Screen and is activated by the Faceted Search User Experience commercial license. Contact your account manager or partner manager to begin the process of enabling licenses for your system.

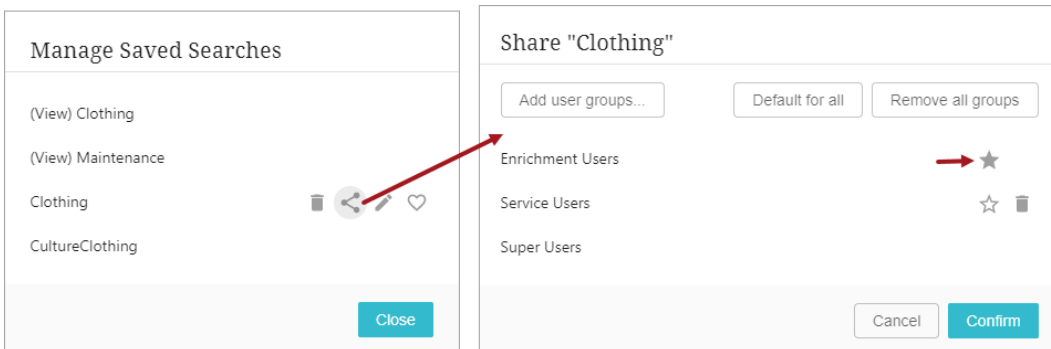
Important: These updates involve user interface changes. Read thoroughly before upgrading to decide if any testing is needed within your environment.

Some changes require reindexing and/or republishing to take effect, as noted in the individual sections below.

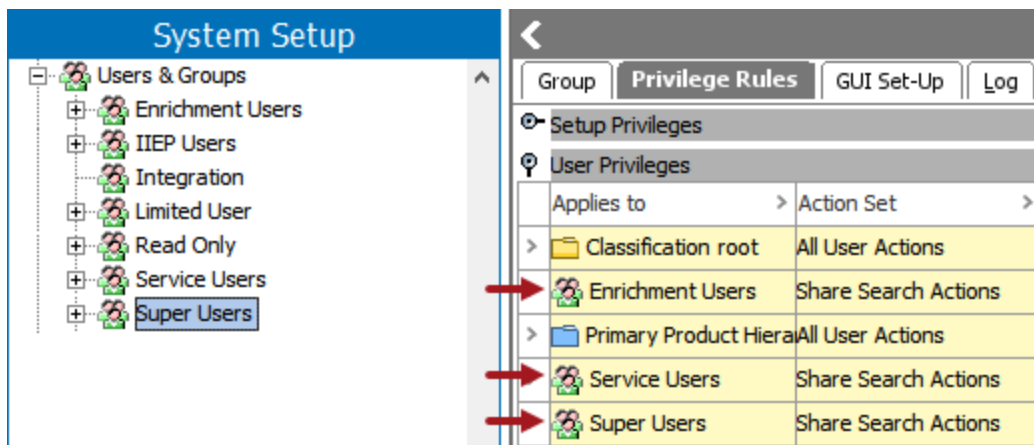
■ **Web UI Search Screen allows sharing searches with user groups**

Administrators can now configure the Search Screen based on role and task, save the settings, and then share that configuration (including a suggestion that it be the default search) with all members of the selected user group(s). Administrator-configured shared searches allow users to be confident that they are working from an appropriate search result set. Since saved searches include the view settings, display settings, facet settings, and search bar text, sharing a search provides users in a group with a customized interface and removes the need for them to understand the data model. Users can identify the default recommended search and make a local copy with their own modifications without impacting other users. Given the necessary privileges, users can also share saved searches including the user interface settings with each other. The functionality to share a search via URL is still possible but does not include the user interface settings.

From the 'Search configuration' button in the Web UI Search Screen, the 'Manage Saved Searches' dialog displays the share button only for users in a group with the 'Share Search With Group' user action. The Share dialog includes the 'Add user groups' button, which allows the user to select one or more of the groups configured to receive shared searches. Clicking the star button suggests the shared search as the recipient's default search. The default suggestion can be set for individual groups or for all groups by clicking the 'Default for all' button.



Workbench setup includes specifying user groups that can receive shared searches by adding them as a User Privilege on the sharing group's Privilege Rules. In this example, the required 'Share Search With Group' user action is added to an Action Set named 'Share Search Actions' (shown below) which allows the Super Users group members to share searches with the Enrichment Users, the Service Users, and the Super Users groups.



For more information, refer to the Search Screen Search Configuration topic in the Web User Interfaces documentation.

■ Improved faceted search user experience on Web UI Search Screen

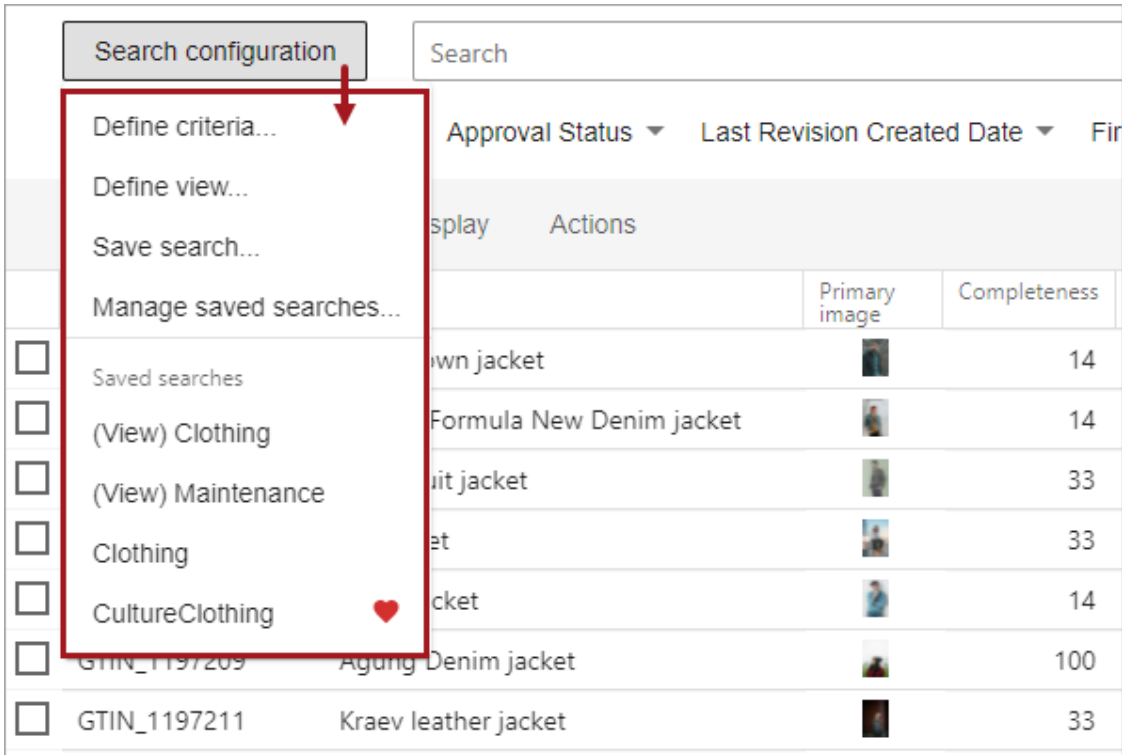
Previously on the Search Screen, separate menus and dialogs allowed access to views (which define the attributes visible in the search results) and saved searches (which store the selected settings for a repeatable search). Additionally, a variety of options to refine and act on the search results were handled using several tabs, like Select and Export. While users could configure an effective search for routine tasks, the configuration required setup in several areas on the screen.

The user experience improvements in this release streamlines the Search Screen to reduce the number of tabs and to gather the configuration options in a single new 'Search configurations' button.

The configuration element improvements include:

- The 'Define criteria' option for configuring the static facets that are displayed - replaces the 'Add Criteria' button which is removed.
- The 'Define view' option for configuring the data displayed for search results - the previously available 'View' tab is removed, and the 'Favorite Views' and 'Save View as Favorite' options are incorporated into the improved 'Saved search' functionality on the 'Search configuration' button. When defining a view, the standard attributes (ID, Name, Path, and Primary Image) are now identified as 'Static attributes,' which can be removed from the view if desired.
- The 'Save search,' 'Manage saved searches,' and 'Saved searches' options for saving, configuring, and running reusable searches - the previously available 'Searches' tab is removed, and these options are incorporated into the 'Search configuration' button.

For existing faceted search users, updating to this release retains existing saved searches and migrates existing views, which are displayed in the Saved searches list with '(View)' prepended to the name. Users can manually edit the name of a search or delete it as necessary.



The updates to options on tabs include:

- The 'View' tab is removed.
- The 'Select' tab (with 'All' and 'None' options) is renamed as a single button with the label 'Select all' or 'Clear all' (based on the current selections).
- The 'Show as' tab is renamed to 'Display' and allows search results to be displayed as cards or in a table.
- The 'Actions' tab is moved to the left and now includes either the 'Export' or 'Export all' option (based on the selected products).
- The 'Export' tab and the 'Export current view' option are removed.
- The currently displayed search configuration is identified below the Search button and shows ' (edited)' if the saved search has been modified. The user can update the existing saved search or create a new saved search from the current settings.

John Bugaden • English US • Main

Search configuration Search

Approval Status Brand (1) Category Completeness Show more... Clear Search

Select all Sorting Display Actions ✓ "CultureClothing"

ID	Name	Primary image	Brand	Completeness	Approval Status
<input type="checkbox"/> GTIN_1197209	Agung Denim jacket		Angel Ego Women Wear	100	Partly approved
<input type="checkbox"/> GTIN_1197211	Kraev leather jacket		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197212	Bretta vest		Angel Ego Women Wear	14	Partly approved
<input type="checkbox"/> GTIN_1197213	Bundo coat		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197214	Huseyin leather jacket		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197215	Ksenia jacket		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197216	Matt leather jacket		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197217	Ramiz leather jacket		Angel Ego Women Wear	33	Partly approved
<input type="checkbox"/> GTIN_1197253	Hannah Denim jacket		Angel Ego Women Wear	14	Partly approved

No More Results

9 items, 0 selected, sorted by Relevance

After patching, the updates are immediately visible in the Search Screen; republishing is not required for these improvements.

For more information, refer to the Search Screen Details topic in the Web User Interfaces documentation.

■ Search Screen includes new super type, asset content, and reference facets

New default 'node fields' in the Elasticsearch Configuration wizard Data Specifications step allow the Search Screen to be configured to display super types and asset-related data as facets. Previously, the object type facet was required to create a search based on super type, and often required selecting multiple values. With the new Super Type facet, users can easily restrict the search results to products, classifications, and/or assets (or any combination) and then select individual object types if further refinement is needed. This new facet provides a more effective way to create product searches versus asset searches.

The new Asset Content and Asset Reference facets include assets saved in STEP and those stored externally in a DAM. Since these fields are blank for products and classifications, it is advisable to exclude them for searches that do not include assets.

After configuring and reindexing / publishing these 'node fields,' the Search Screen displays the following new asset facets:

- Super Type - The values on this facet allow users to include assets, products, and/or classifications in the search result set.
- Asset Content - The values on this facet allow users to filter assets in the search result set by 'Assets with Content' and 'Assets Without Content.'
- Asset Reference - The values on this facet allow users to filter assets in the search result set by 'Reference' and 'Not Referenced.'

To implement these new facets on the Search Screen:

- For an active Elasticsearch Configuration, update the Data Specifications section to indicate how the data should be accessed from the Search Screen, and reindex (and republish), as defined in the Reindex the Elasticsearch Database section of the Elasticsearch Publishing topic in the Web User Interfaces documentation.
- For new Elasticsearch configurations, the super type, asset content, and asset reference 'node fields' are each set to be a Default Facet. Consider the default settings along with the other configuration options, as defined in the Creating an Elasticsearch Configuration topic of the Web User Interfaces documentation.

For more information on Elasticsearch and Kibana, refer to the Initial Setup for Elasticsearch topic in the Web User Interfaces documentation.

■ Search Screen no longer limited to 10,000 items for exports and business actions

Previously, the Search Screen prevented a user from selecting more than 10,000 items, which limited the actions that could be performed in a single process on large dataset. With this release, users can select all items in the search result set, even when there are more than 10,000. Once selected, users can export the items or run a valid business rule on the items. This allows a user to streamline their work process by executing an operation once for a large number of items, such as bulk updates or initiating items into a workflow, as well as exporting to a spreadsheet for offline review.

For large result sets, users must sculpt the search criteria to include only the necessary items since individual items cannot be unselected when more than 10,000 items are selected.











For more information, refer to the Search Screen Actions topic and the Search Screen Select All topic, both in the Web User Interfaces documentation.

■ Elasticsearch User Group setting updates

The User Group Permissions column in the Elasticsearch Configuration allows elements of the faceted search screens to be restricted based on user group. Previously, for the Data Specifications step of the configuration, setting User Group Permissions on 'Node field' specifications allowed STEP system attributes to be hidden in the Search Screen. With this release, the 'Node field' specifications can no longer be restricted by user group, as indicated by the yellow coloring in the cells.

Updating to this release removes only for 'Node field' specifications settings for any User Group Permissions, which means this data is now available to all Search Screen users as further defined by the checkboxes in the configuration (shown in the following image). Since

permissions are not published to Elasticsearch, after patching, the update is immediately visible in the Search Screen; republishing is not required for this change.

Data Specification	Data Specification Type	User Group Permissions	Displayed Data	Full Text	ID Query	Default Facet	
Super Type	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ID	Node field		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Name	Node field		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Object Type	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Path	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Approval Status	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Last Revision Created Date	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
First Revision Created Date	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Content	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Asset Reference	Node field		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

For more information, refer to the Creating an Elasticsearch Configuration topic in the Web User Interfaces documentation.

■ Support for version 7.17 for Elasticsearch and Kibana

The 10.3-MP4 release supports version 7.17 of Elasticsearch and Kibana.

For more information on Elasticsearch and Kibana, refer to the Initial Setup for Elasticsearch topic in the Web User Interfaces documentation.



BUGFIXES

■ ISSUE-395361 - Security fix

Customer-specific concerns around information disclosure were addressed.

■ ISSUE-432785 - Solution made for distinguishing attribute on object and on referenced object

In the Search Screen enabled by the elasticsearch-integration component, there used to be no way to distinguish an attribute on a node from an attribute on referenced node. Both attributes used to be presented with the same label, based on the attribute title. This has been improved.

From now on, an attribute on a reference node is presented as 'attribute_title (reference_title)'.

From now on, an attribute on child nodes is presented as 'attribute_title (child)'.

■ ISSUE-469758 - Fix for inability to download the PDF from workbench

Added a new property (InDesign.BackgroundProcess.PDF.NormaliseFileName) to control file name creation when using Create PDF. Set this to 'true' to force normalized file names. Be aware that this will

only work on newly created PDFs and not old ones as it changes the format of the file name that is saved in the BGP

■ **ISSUE-472489 - Corrected issue causing multiple lines of errors for missing timestamp**

Now, a message about missing a timestamp system value on an asset will be shown at the warning level to prevent flooding the logs.

■ **ISSUE-480044 - Changed the Change Reference Target action to be used with a Multi Reference screen**

Now, the Web UI Change Reference Target action will correctly change the Reference Target on Multi Reference screen in REFERENCES mode.

■ **ISSUE-480051 - Fixed accessibility to Scripting API and its search**

Fixed search in SDK documentation.

■ **ISSUE-492022 - Fix for inability to navigate via the Tab key**

Fixed problem making it impossible to navigate between cells by pressing the TAB key after editing a Date/ISO Date cell on the Web UI Multi Edit Display Mode Node List screen.

■ **ISSUE-498254 - Fix for STEPXML export validation failure due to 40 character limit**

XSD validation of LOVValueIDs has been increased to 100 characters.

■ **ISSUE-498757 - Fix for REST endpoint error**

Fixed an error which occurred on Windows environments when the Background Process was trying to remove a file during the processing of an Inbound Integration Endpoint.

■ **ISSUE-501869 - Fix for error during import of STEPXML**

The problem was found during import of STEPXML. If the STEPXML contained the <Products RejectNewProducts="true"> tag and a product with a bad key was found then an error message was written in the BGP log that it was not possible to create the product.

The solution has been to handle bad keys in the same way as bad IDs are handled.

Two lines are written in the BGP for the product:

Example keys:

```
Line 7, Product 2: The new product with unique key 'A_SKU2' was rejected
```

```
Line 7, Product 2: The product with unique key 'A_SKU2' was skipped
```

Example IDs:

```
Line 6, Product 2: The new product with ID 'AcmeID2' was rejected
```

```
Line 6, Product 2: The product with ID 'AcmeID2' was skipped
```

■ **ISSUE-503303 - Fix for REST Gateway problem (redirection policy)**

It is now possible to change the HTTP redirection policy for REST Gateway Integration Endpoints from DefaultRedirectStrategy to LaxRedirectStrategy by setting the property RestGateway.UseLaxRedirectStrategy=true. LaxRedirectStrategy will also redirect POST methods.

■ **ISSUE-504127 - Fix for simple importer not following import configuration**

Fixed problem occurring when References / CPLinks with Unique Key mapping in Import Configuration were not recognized by Simple Import Widget in Web UI. A step-10.2-mp3 hotfix is also available for this solution.

■ **ISSUE-505512 - Correction made to stop Smartsheets from allowing duplicate values**

When a user is pasting a duplicated value directly into Smartsheet cell, the cells representing Multi Value LOV attributes will now be marked with a warning and a message saying that the user is trying to add a duplicated value.

■ **ISSUE-507019 - Fix for File Loading Widget not working**

A NullPointerException (NPE) was occurring in Web UI due to an IIEP having no name. This has now been fixed.

■ **ISSUE-510735 - Fix for multi selection of objects in Web UI showing incorrect selected number**

When multi selecting objects across multiple screens using shift-select, the count of selected objects could be wrong. This has been fixed.

■ **ISSUE-510789 - Auto refresh fix for Node List action**

When using 'Remove References' in a Node List, the list is now reloaded to show the new status.

■ **ISSUE-511248 - Fix issue with Export Current View Action for vendor products**

Fixed Export Current View action when exporting classification object types. Previously, there was no detection of exported data nodes type for Export Current View action (node type was always set to product type), and now the functionality was extended to support classifications.

■ **ISSUE-512194 - Multi Level Reference export fix**

Now, the domain exporter is functionally aligned with the database exporter, so Multi Level References are exported correctly.

■ **ISSUE-512494 - Solution for error in Schedule Category Profiling**

Robustness fix for data profiler. Now, it will not crash if one of its sub tasks gets deleted. There is a hotfix for this solution that is applicable to step-10.1-mp4 to mp6.

■ **ISSUE-513817 - Packaging screen fix for Web UI**

Fixed incorrect exception about cycle in packaging graph, which was thrown for correct packaging graphs with more than one (1) level of references that prevented a Packaging screen in Web UI from loading. There is a hotfix for this solution that is applicable to step-10.3-mp1 to mp3.

■ **ISSUE-514510 - Last Edited By fix for Web UI**

Previously, when an object was edited, the Last Edited By component on the Attribute Management Screen in Web UI showed the user ID. Now, the Last Edited By field shows the username.

■ **ISSUE-515184 - NPE fix for Proof View Editor**

Fixed a NullPointerException (NPE) that was thrown in the workbench Proof View Editor. Hotfixes are available for step-10.1-mp4 - mp6.

■ **ISSUE-516025 - Fix for Details Overlay not loading when navigating back**

Introduced possibility to bypass a navigation prevention check when navigating to the previous screen with Details Overlay in Web UI and the previous screen had the unsaved changes. To toggle this property, contact Stibo Support. A hotfix for this solution is available for step-10.2.mp3.

■ **ISSUE-517049 - Change to logging to diagnose recycle bin issue**

Customer-specific change made to log more information in the server log when emptying the Recycle Bin. Hotfixes are available for step-10.1-mp4, step-10.1-mp5, and step-10.1-mp6.

■ **ISSUE-518361 - Fix for filtering of attributes at reference level not working**

Now, it is possible to have multiple Value tags under the MetaData tag in PIM.xsd and PIMOutputTemplate.xsd. Exporter supports this case already, so this change only affects web services.

■ **ISSUE-518529 - Table free text encoding fix**

Fixed how the table free text is encoded when exported from the workbench. A hotfix for this solution is available for step-10.1-mp4 through mp6.

■ **ISSUE-518936 - Fix for LOV Typeahead Attribute Value not displaying LOV value when updated**

Fixed problem happening when an LOV ID was hidden when a user selected a suggestion and clicked aside of the Typeahead Attribute Value component with LOV attribute.

■ **ISSUE-519184 - Multi Reference component update to restrict which source object types are displayed**

Introduced a new parameter for the Multi Reference component in Web UI, called Object Types, that will allow you to specify the valid object types for Reference / Link Source / Target (depending on direction).

When the object types are set, the reference target / source (depending on direction) that does not belong to the configured object type will not be visible on the Multi Reference screen. Also, it will not be possible to choose the invalid object types within the Add Reference Node Picker. Adding a reference source or target via the typeahead in Add Reference Action will cause an error.

■ **ISSUE-519803 - Removal of unused SPOT commands**

Removed --addnode and --removenode commands from spot as they were never / will never be used.

■ **ISSUE-520885 - Fixed data sorting in Custom Export Action output file**

Introduced a customer-specific configuration property that disables sorting data by index from Web UI when using Custom Export Action.

■ **ISSUE-521017 - Business rules error fix**

Fixed possible thread safety issue in Scripting API validation in JavaScript business rules. There is a hotfix for this solution applicable to step-10.3-mp1 to mp3 baselines.

■ **ISSUE-522519 - Fix for NullPointerException while using or switching to Translation Mode**

Now, a Translation Mode in STEP Workbench will not throw exceptions related to missing dimension dependencies on one of the attributes.

■ **ISSUE-523379 - Corrected issue causing an Oracle exception when running BGPs**

Fixed a problem occurring due to an Oracle constraint being broken when executing background processes. A hotfix for step-10.2-mp3 is also available for this issue.

■ **ISSUE-523469 - Invalid import configuration research for customer-specific issue**

Introduced additional logging to Data Import component in Web UI to help investigate the problem with uploaded file path. There is a hotfix for this issue that is applicable to step-10.1-mp4 to mp6.

■ **ISSUE-524050 - Fix for error when using ReplaceDataContainers tag on import of 'single valued' data container**

The problem was found during import. If a single data container was imported to a product and the ReplaceDataContainers tag was added for that data container type, then the original data container was deleted, but no new data container was imported. The solution has been to delete the existing data container before importing the new data container.

■ **ISSUE-524085 - Fix for InDesign sidecars not starting when one of the application servers is down**

Added a new mechanism to InDesign Sidecar so it can continue to function even if one or more nodes are down in the cluster.

■ **ISSUE-524203 - Solution for blocked URLs**

Class and method names removed from the URL parameters of the /remote/service calls. The fix has also been backported for 10.2. This fix can also be applied to step-10.2-mp3 via a hotfix.

■ **ISSUE-524359 - Correction for OIEP changes happening without changes to its config**

Fixed a problem occurring when a failed Outbound Integration Endpoint (OIEP) changed its state to running when a user clicked on a configuration tab in the workbench. Now, an OIEP should only be restarted after changing something in its configuration.

■ **ISSUE-525085 - Fixed problem with the MoveUnitsToHeader rule**

Fixed problem occurring when an empty attribute value was treated as a distinct unit when checking whether to show a unit in a Table header in Move Unit to Header Table Transformation. There is also a hotfix for this solution that is applicable to step-10.1-mp4 to mp6 baselines.

■ **ISSUE-525134 - Fix for unavailable Basket button for end user**

Introduced a possibility to check a Temporary Node Collection Create privilege instead of a Top Node Collection Create privilege in order to display a Basket screen in Web UI. To set this property, contact Stibo Systems Support. There is also a step-10.2-mp3 hotfix available for this fix.

■ **ISSUE-525161 - Fixed AuthenticationFailedException**

Changed an old Mailing API to the new Mailing API in OIEP/IIIEP Mail Delivery plugins to resolve the problem with old version of TLS on SMTP server that caused an Authentication Failed Exception to appear when trying to send the emails from STEP. There is a hotfix available for this solution applicable to the following baselines: step-9.3-mp3 to mp5 and step-10.0-mp3 to mp5.

■ **ISSUE-525383 - Fix for translation configs with multiple locales exporting without description**

A fix was made for translation process descriptions that said 'null' instead of 'Translating.' There is also a hotfix available for this solution that is applicable to step-10.2-mp3.

■ **ISSUE-525764 - Fix for multi-level reference info not being exported for BMEcat exports**

A fix was made to enable the export mapping option 'Multi level references' to handle qualified values. There is a hotfix for this solution that is applicable to step-10.1-mp4 to mp6.

■ **ISSUE-526252 - Fix for missing REST method**

Fixed problem where a REST API (createIndesignPackage) was not accepting parameters correctly when the method was marked as POST.

■ **ISSUE-526337 - Implemented solution for a BGP issue taking application down**

A fix was made to STEP Workbench to allow for better handling in situations where a huge number of background processes (BGPs) have been created by a mistake.

■ **ISSUE-526485 - Fixed NPE thrown in Web UI by Last Edited By component**

Fixed a NullPointerException (NPE) in the Last Edited By component on a Web UI Node Editor that happened when information about the last editing user is not available.

■ **ISSUE-526636 - Solution for continuous read / write message in STEP workbench**

Changed Background Process Navigator to only poll every minute if it has been configured to do so rather than doing it by default. There is a hotfix for this solution that is applicable to step-10.2-mp3.

■ **ISSUE-526915 - Fix for HAProxy load balancing unevenly across a cluster**

Workbench and DTP traffic was not correctly load balanced and would nearly always go to the first server in the server list. This has been fixed, and a hotfix is also available (for step-10.1-mp4 to mp6).

■ **ISSUE-527032 - Corrected double quote CSV format import issue**

Fixed problem occurring when there was an empty double quote with a delimiter at the beginning of the imported CSV string. This caused a CSV import to fail with an exception when the 'Allow Multiple Lines' parameter was enabled for CSV conversion. This solution also has a hotfix available for step-10.0-mp3 to mp5 baselines.

■ **ISSUE-527318 - Solution for changing metadata reference values not being promoted to golden record**

Now, the Trusted Source Reference Multi Context Survivorship Rule will correctly promote reference metadata values from source record to existing golden record, if a reference already exists. There is a hotfix for this solution that is applicable to step-10.1-mp3 to mp6.

■ **ISSUE-527367 - Publication Transfer Package export file with wrong extension correction**

Fixed problem where an Export to Transfer Package created an Excel file with the wrong extension

■ **ISSUE-527372 - Fix for package object details not showing after upgrade**

Now, a Packaging Item's details on a Packaging Screen's Node List in the Web UI will be correctly shown when a user selects the Packaging Item. There is also a hotfix available for this solution applicable to step-10.3-mp1 to mp3 baselines.

■ **ISSUE-527498 - Fix for Kafka error occurring while using same consumer group id for more than one IIEP**

Fixed setting of Kafka consumer group instance identifier. There is a hotfix for this solution that is applicable to step-10.2-mp3.

■ **ISSUE-527553 - Solution for PDFs not working in Safari**

Fixed problem occurring when the PDF preview did not display anything on a Web UI Asset Preview screen using a Safari browser. It was related to the browser bug with displaying a content with application / pdf content type. A hotfix for this solution is available for step-10.3-mp3.

■ **ISSUE-527816 - Fix for data inconsistency error when publications are deleted**

Additional checks have been added to the remove orphan publication nodes option ('Clean orphan publication data'). There is a hotfix for this solution that is applicable to step-10.1-mp3 to mp6.

■ **ISSUE-527982 - Fix for asset format getting changed in published environment**

When using STEPXML to export and import assets, the filename was lost. It was therefore not possible to set the asset mime type based on the filename extension when importing from STEPXML. This has been fixed, and a hotfix for step-10.2-mp3 is also available.

■ **ISSUE-528624 - Solution for missing hyperlinks in the translation BGPs**

BGP hyperlinks will appear now. Previously, translation BGP hyperlinks in the execution report were broken, in particular the 'href' tag being created was in the wrong format. There is a hotfix for this solution applicable to step-10.3 and step-10.3-mp1 to mp3.

■ **ISSUE-528929 - Fix for STEPXML Splitter error occurring when splitting export containing Data Container Types with Keys**

When using STEP Exporter with the STEPXML Splitter Post-Processor to generate separate STEPXML files per element being exported, STEP would generate Data Container Type with Key Definition element incorrectly. This has been corrected. Now, the Key Definition for the Data Container Type will be generated in a proper way in the STEPXML exported file while using STEPXML Splitter Post-Processor.

■ **ISSUE-529223 - Fix to allow for more than one email address for Email Delivery in export configurations**

It is now possible to add multiple recipients, separated by a semicolon, in Email Delivery in Export Manager in STEP Workbench. There is a hotfix for this solution that is applicable to step-10.2-mp3 and step-10.3-mp3.

■ **ISSUE-529281 - Fix for the unsuccessful sending of email (delivery method) from system**

Fixed 'Authentication Failed Exception' in Delivery BGP Service in STEP related to an unsupported version of TLS. There is a hotfix for this solution that is applicable to the following baselines: step-9.3-mp3 to mp5 and step-10.0-mp3 to mp5.

■ **ISSUE-529814 - Fix for inability to save product name after update**

Fixed an optimistic verification exception for the Web UI Node Editor that occurred when the user was trying to change a name that contained tags. There is a hotfix for this solution that is applicable to step-10.2-mp3.

■ **ISSUE-529998 - Fix for double page references in PDF**

Fixed problem in DAP Parser where node on pages was returning invalid page numbers. A hotfix for this solution is available for step-10.1-mp3 to mp6.

■ **In-Memory update**

Fix for In-Memory memory usage optimization.

■ **Added a Git Delivery configuration for customer**

Git Delivery Plugin updated for SSH requirements.

■ **Fix for failing Event Processor (D&B Match)**

Fixed a NullPointerException (NPE) occurring in the DnB Integration when the DnB response did not contain a transition message for matching / profiling. A hotfix for this solution is available for the dnb-integration-7.0.27 and 7.0.28 components.

■ Fix for profiling error (D&B Enrich Event Processor)

A fix was made to the STEP mapper that was causing a NullPointerException (NPE). The D&B Enrich Event Processor was running, but while processing the record in the Enrich step, the user was getting a profiling error. A hotfix for this solution is available for the dnb-integration-7.0.27 component.

■ Fixed asynchronous translation service-related error in config export

The problem was found when invoking an OIEP for export of an entity. If a translation configuration existed, then a ClassCastException was thrown. The solution is to export the translation configuration parameters (Contextual Attributes and Excluded Attributes) as strings. The fix will be present after upgrading to the newest async-translation component version.



END-OF-LIFE NOTICE

■ Dun & Bradstreet (D&B) end-of-life for Direct 2.0 API

The Dun & Bradstreet Direct 2.0 platform is scheduled to be discontinued as of December 31, 2022, and as of January 1, 2023, D&B Licensed Products may only be accessed via Direct+.

To continue to use Dun & Bradstreet enrichment services within STEP, customers utilizing the legacy Dun & Bradstreet Direct 2.0 enrichment service should migrate to the Dun & Bradstreet Direct+ enrichment service within STEP, which is supported as of 10.2 (and with newer baseline versions) of STEP. Stibo Systems account managers are reaching out to those customers impacted by this change to begin the migration to the new Dun & Bradstreet Direct+ Enrichment Service.

The Direct+ API brings improved integration by supporting synchronous D&B matching and enrichment, allowing execution of these to be done in a centralized organization onboarding process. Both asynchronous and synchronous D&B integrations can be customized using JavaScript. Migration is mostly an automated process using the D&B Easy Setup feature to change the STEP data model to account for D&B data model changes.

For instructions on migrating, refer to the Dun & Bradstreet Migration: Direct 2.0 to Direct+ topic in the System Administration documentation.



DOCUMENTATION UPDATES

■ Searching for Asset Content and Asset Reference requires reindexing

With the 10.3 MP1 release, the Web UI faceted search functionality (powered by Elasticsearch) included the ability to search on asset content and asset references. The Elasticsearch Configuration options are available as 'node field' rows on the Data Specifications step. To implement searching on asset content and/or asset reference:

- For an active Elasticsearch Configuration, update the Data Specifications section to indicate how the data should be accessed from the Search Screen, delete existing indexes, and reindex, as defined in the Elasticsearch Publishing topic of the Web User Interfaces documentation.
- For new Elasticsearch configurations, the asset content and asset reference options each are set to be a Default Facet. Consider the default settings along with the other configuration options, as defined in the Creating an Elasticsearch Configuration topic of the Web User Interfaces documentation.

PATCH RECIPE

The 10.3-MP4 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.3-mp4.spr
```

—OR—

```
spot --upgrade=step:10.3*
```

** Before installing the recipe provided by the SPOT --upgrade functionality, review the baseline and component versions that the system will be upgraded to before applying. Verify that the baseline and/or components are the correct versions to be applied (i.e., the versions you did testing on—and not a higher, untested version).*

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT --upgrade command to also find compatible components that can be added at the same time as the baseline patch (--upgrade=all) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, 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 from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view Jira tickets for Maintenance Patch 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 will be displayed.**

Product MDM for Automotive 10.3 - 7.0.45 Patch Notes

Release Date: March 29, 2022

BUGFIXES

All Standards

■ **Corrected an issue with the Make / Model search box in the Application Manager Screen**

Previously, the Make / Model search box had issues displaying the correct criteria options in the dropdown list when both the make and model criteria were entered together in the field. When either the make or model criteria were entered, the dropdown list displayed the criteria options correctly. However, irregularities were exhibited only when the make and model criteria were entered together, and the dropdown list excluded some criteria options that were supposed to be displayed. This issue is now fixed.

PATCH RECIPE

The Automotive add-on can be installed with the following recipe:

```
to:automotive/7.0/automotive-7.0.45.spr
```

The above recipe is compatible with the following STEP 10.3 MP4 and MP5 baseline recipes:

```
to:step/platform/step-10.3-mp4.spr
```

```
to:step/platform/step-10.3-mp5.spr
```

Important: Once an Automotive add-on is installed to a base STEP system, the base system cannot be upgraded without upgrading the Automotive add-on at the same time. Additionally, when upgrading any base STEP system that has any Automotive add-on installed, both install recipes must be prepared at the same time.

For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. For on-premise systems, instructions for installing components can be found in the SPOT Program topic in the System Administration Guide found in Downloadable Documentation. For SaaS systems, contact your Stibo Systems account manager.

10.3-MP5 Maintenance Patch Notes

October 24, 2022



BUGFIXES

■ **ISSUE-426181 - Fix for user with only view rights able to change asset object type**

The check for user privileges has been restored. This solution also has a hotfix available for step-10.2-mp3.

■ **ISSUE-463767 - Fix for Web UI show alert message not sticking on User Details screen**

Now, Run Business Action alerts will not immediately disappear on the Web UI User Detail screen. A hotfix is available for step-10.3-mp4, step-9.3-mp5, step-9.3-mp4, and step-9.3-mp3.

■ **ISSUE-472489 - Corrected issue causing multiple lines of errors for missing timestamp**

Now, a message about missing a timestamp system value on an asset will be shown at the warning level to prevent flooding the logs.

■ **ISSUE-473507 - Fix for translation management error-free files going to error subfolder upon import**

Fixed an issue occurring where import files with translations were moved to the error folder even if there were no errors during translation using those files. A step-10.3-mp4 hotfix is also available for this solution.

■ **ISSUE-481330 - Fix for blank Smartsheet calculated attributes**

Now, dimension-dependent calculated attributes will be correctly exported in cross-context mode in Smartsheet format. This solution also has a hotfix available for 10.3-mp4.

■ **ISSUE-495555 - Solution to customer-specific issue of removing messages from business conditions**

Introduced the ability to hide unnecessary messages from the Reference Other Business Condition on a Web UI Node Editor when submitting an item to another state. To toggle this property, contact Stibo Systems Support. There is also a hotfix for this solution for step-10.1-mp3 to mp6 and step-10.3-mp4.

■ **ISSUE-499763 - Fix for language-dependent attributes from XML missing in GDSN production**

When importing multiple GDSN files with different target markets having different dimensions, attributes would not always receive updates in all dimensions. This has been fixed. A hotfix for this

solution is also available for gdsn2-receiver-7.0.62 and gdsn2-receiver-7.0.63.

■ **ISSUE-499837 - Fix for the Attribute Value bind throwing a Runtime Exception after upgrade**

Fixed Runtime Exception on Web UI which occurs when a list of values is used with IDs to select values in a business condition.

■ **ISSUE-500805 - SaaS fix for IDs shown in Web UI message instead of the product names for Packaging hierarchy**

Now, in the Packaging hierarchy screen, an error message about linking an existing product for Add Higher action contains product names instead of product IDs. A hotfix is available for step-10.3-mp4.

■ **ISSUE-505533 - Solution to increase max file size upload**

Introduced a property that overrides the standard Apache file size limit and allows admins to control a maximum uploaded file size through the Web UI Asset Import Homepage Widget. To set this property, contact Stibo Systems Support. Hotfixes are available for step-10.1-mp1 - mp6.

■ **ISSUE-506367 - Fix for REST Receiver with large files causing BGP to be put into quarantine**

Importing STEPXML containing very large assets would fail with 'out of memory' errors. This has been fixed.

■ **ISSUE-510713 - Inheritance symbol fix for Referenced Asset Representation component**

Now, an inheritance symbol will show next to an inherited reference asset representation on the Referenced Asset Representation component on the Web UI Node Editor. This fix is also available via a hotfix for step-11.0, step-11.0-mp1, step-11.0-mp2, and step-10.3-mp4.

■ **ISSUE-516025 - Fix for Details Overlay not loading when navigating back**

Introduced ability to bypass a navigation prevention check when navigating to the previous screen with Details Overlay in Web UI and the previous screen had the unsaved changes. To toggle this property, contact Stibo Systems Support. A hotfix for this solution is available for step-10.2-mp3.

■ **ISSUE-519623 - Security fix for HTML Injection**

Fixed HTML Injection in Web UI URL parameters that allowed access to the outer resources by pasting a harmful script to Screen, Context, or Workspace parameters in Web UI URL. This solution also has a hotfix available that is applicable to step-10.3-mp4.

■ **ISSUE-520097 - Fix for STEP logout error**

Fixed issue with logout when using /webui/webui/logout link. It did not work correctly if run from external HTML page from iframe element. This solution also has a hotfix available that is applicable to keycloak-sso-7.0.14 and one applicable to step-10.3-mp4.

■ **ISSUE-520278 - Fix for fatal error when applying filter on search result table**

Fixed a ClassCastException related to numerous clicks on any Table Header on Web UI Node List to open a filtering dialog. This hotfix is available for step-10.3-mp4 and step-11.0-mp1.

■ **ISSUE-520814 - Fix for import of translated file creating product-to-product references**

Fixed the import of a translated file, which created product-to-product references when the reference was removed after creating file for translation.

■ **ISSUE-521634 - Fix for multi-valued attributes not clearing on import**

When importing data with an empty multi-valued attribute where STEP holds a value for a multi-valued attribute, data was not cleared. Now, when importing empty multi-valued attributes, the values for a multi-valued attribute are cleared in STEP.

■ **ISSUE-522441 - Fix for In-Design (Proof View) process that hangs**

The problem was seen when the workbench has sent a request for a PDF/ proof to the application server. If the InDesign server was working for a long time, then the proof was never returned to the workbench. The solution keeps the connection between the workbench and the application server alive while waiting. A hotfix is available for step-10.3-mp4, step-10.0-mp5, step-10.0-mp4, and step-10.0-mp3.

■ **ISSUE-523054 - Fix for import configuration ignoring mandatory flag**

Fixed a problem with import configuration which was ignoring a mandatory flag for data container attribute values.

■ **ISSUE-525383 - Fix for translation configs with multiple locales exporting without description**

A fix was made for 'null' translation process descriptions instead of 'Translating.' There is also a hotfix available for this solution that is applicable to step-10.2-mp3.

■ **ISSUE-525476 - Solution for inability to display multiple warning messages with business conditions**

Fixed problem occurring when only one attribute value which had a failing business condition validation was highlighted on a Web UI Node Editor screen after editing this value. Now, multiple values are highlighted if they are failing different business condition validations.

■ **ISSUE-526346 - Fix for LOV binding inconsistency**

Introduced the ability to resolve Business Rules on Web UI Node Editor to LOV values instead of LOV IDs when evaluating business conditions. To toggle this option, contact Stibo Systems Support.

■ **ISSUE-526949 - Improved workbench performance on high latency networks**

Deprecated HTTP/1.0 headers removed. A hotfix for this solution is also available for step-10.3-mp4.

■ **ISSUE-527032 - Corrected double quote CSV format import issue**

Fixed problem occurring when there was an empty double quote with a delimiter at the beginning of the imported CSV string. This caused a CSV import to fail with an exception when the 'Allow Multiple Lines' parameter was enabled for CSV conversion. This solution also has a hotfix available for step-10.0-mp3 to mp5 baselines.

■ **ISSUE-527721 - Solution for export to Excel failing since upgrade**

Now, an exception will not be thrown when exporting STEP data in Excel / CSV / Smartsheet format via the File Delivery plugin. An exception was related to an attempt of renaming the result file while Excel was still locking it on a file system. The exporter will now retry again, and if this retry fails, it will copy the file with the correct name and delete an original file later.

■ **ISSUE-527816 - Fix for data inconsistency error when publications are deleted**

Additional checks have been added to the remove orphan publication nodes option ('Clean orphan publication data'). There is a hotfix for this solution that is applicable to step-10.1-mp4.

■ **ISSUE-527982 - Fix for asset format getting changed in published environment**

When using STEPXML to export and import assets, the filename was lost. It was therefore not possible to set the asset mime type based on the filename extension when importing from STEPXML. This has been fixed, and a hotfix for step-10.2-mp3 is also available.

■ **ISSUE-528220 - Fix for nested 'groupings' configured with Web UI mandatory validations that were conflicting and failing**

Fix for a problem when the Action button with Enforce Validity on a Buttons component of the Web UI Node Editor screen was not enabled correctly after saving the hidden mandatory grouping options. There is also a hotfix available for this solution that can be applied to step-10.3-mp4.

■ **ISSUE-530611 - Fix for event processor failing automatically**

Changed the user starting a background process to be the configured user on the event processor so that it is the configured user's privileges that applies to all aspects of the processing. The configured user will appear as the 'started by' user on the background process.

■ **ISSUE-531172 - Fix for Excel export not working**

Now, an exception is not thrown when exporting STEP data in Excel / CSV / Smartsheet format via the File Delivery plugin. The previous exception was related to an attempt to rename the result file while it was locked by Excel on a file system. The exporter now tries again, and if this retry fails, it copies the file with the correct name and deletes the original file later.

■ **ISSUE-532078 - Fixed an exception occurring during active translation**

Fixed 'This operation cannot be performed while a Transaction is active.' exception occurring when a user was trying to generate Match Code statistics in workbench for a Matching Algorithm with an embedded match code with In-Memory enabled.

■ **ISSUE-532312 - Preview template not displaying**

Fixed Proof View headers that did not allow the Proof View to display in Safari or Chrome browsers. A hotfix is available for this solution and applicable to step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-533477 - Solution for empty CSV files generated upon export**

Introduced a property that allows the system to mark changed System Setup Nodes as 'Selected' in STEP XML export when performing an event-driven export (OIEP) in STEP. This means that empty converted files are no longer generated for such OIEPs. To enable this property, contact Stibo Systems Support.

■ **ISSUE-533802 - Fix for reference survivorship rule issue**

Now, Trusted Source Reference Survivorship Rule Multi Context will not report warnings when Mapped Reference and Reference types have a difference in valid 'stibo.' attributes.

■ **ISSUE-534684 - Fix for BGPs and other processes getting stuck**

Fixed a bug that would create bad data on STEP systems running with encrypted storage, which caused BGPs not to run.

■ **ISSUE-534687 - Fix for generation of Modify Events when changing Reference / Link Type properties**

Fix for the Reference / Link Type so that when its properties are changed the Modify Events is generated. A hotfix is available for step-10.3-mp4 and step-10.2-mp3.

■ **ISSUE-534771 - Fix for Asset Download looping while loading asset content**

When uploading new Asset content, STEP would notify Event Listeners ignoring some Event Triggering Definitions. This has been corrected. Now, Event Triggering Definitions are taken into account when uploading new Asset content.

■ **ISSUE-535391 - Fix for full storage after update**

Now, Scheduled Category profiling running on a Windows Application Server will correctly clean up the temporary files. The temporary files are created in Temp folder on a server.

■ **ISSUE-536337 - Fix for inability to change attribute definitions**

Fixed a problem where lock-free schema changes could fail for LOVs under special conditions. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-536481 - Fix for errors on basic import of STEPXML**

Now, if a ModifyingUniqueKeyValueException is thrown in Replacement Rules when replacing a value for an attribute which is used by the unique key, it will not fail an entire import.

■ **ISSUE-537409 - Fix for package object details not showing after upgrade**

Fixed a problem occurring when a current Node Details selection on a Packaging Node List in Web UI was not loaded after reloading a screen upon performing a Reset Action (or any other action that reloads a current screen).

■ **ISSUE-537514 - InDesign plugin fix**

Fixed a problem occurring with InDesign plugins where an update of a commercial object mounts a table available in the structure that is not selected.

■ **ISSUE-537556 - Fix for OIEP failing with a general contract violation error**

Fixed non-transitive comparison in Domain exporter during the export of metadata values if any of the metadata values has a null persistence object. It caused a 'Comparison method violates its general contract' error in the BGP, which is now fixed.

■ **ISSUE-538252 - Fix for business rules executed twice in Web UI setup**

Now, Validation Business Conditions configured on a Node Editor screen in Web UI will not be calculated twice on a page load. This happened if a Node Editor contained a Value / Value Group component configured for an LOV attribute, which is used in the Validation Business Condition bind. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-538917 - Fix for 'Force Update Table' triggering a full update of the document**

The problem was seen when doing a 'Force Update Table' in InDesign. If a select table was made after a cursor text selection has been made in the table, then all tables in the document were updated. The solution is to update the table designated by the table selection only.

■ **ISSUE-539674 - Solution for authentication issues for Asset Streaming API**

Fixed authentication issues occurring when using an Asset Upload endpoint with SaaS. An error was occurring when the customer sent an upload request to the Asset Streaming API and getting a 401 Unauthorized exception.

■ **ISSUE-540182 - Fix for Import Manager freezing when trying to create import configuration**

When user tried to create new import configuration, Import Manager froze if Auto Map and Transform options were used. After the fix, using these options is not freezing Import Manager.

■ **ISSUE-540233 - Fix for proof view not getting the pictures**

Fixed a problem occurring when proof view would throw an exception and fail to return all images.

■ **ISSUE-540718 - Fix for products not grouped in Excel export via Web UI**

There was a customer-specific fix around configuration properties and enabling / disabling sorting in Excel. If you have a similar issue, contact Stibo Systems Support.

■ **ISSUE-540821 - Fix for workbench approve translation error**

When approving multiple translations in the workbench, only the first translation was being approved. This has been fixed. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-540895 - Fix for asset import issue in published environment**

Now, the error 'The attribute with ID 'stibo.documentvalue' could not be found' will not be thrown when importing an Asset with content and a parent classification that contains an attribute link to 'stibo.documentvalue' system attribute.

■ **ISSUE-541330 - Fix for Matching and Linking Inheritance promotion error**

Fixed a problem occurring when inherited references / links together with local links / references that are overriding them were promoted to the Golden Record via Trusted Source Multi Context Reference survivorship rule.

■ **ISSUE-541730 - Fix for Translation execution report presentation of information**

Fix for workbench problem displaying Translation process files as hyperlinks on a Translation BGP report. A hotfix is available for step-10.3-mp4.

■ **ISSUE-541761 - Fix for OIEP incident / endpoint export issue**

Fixed backward compatibility issue for outbound integration endpoints (OIEPs) so that when multiple contexts are specified, the system will use cross-context export mode. This solution also has a hotfix available for step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-542583 - Corrected post-upgrade problems with OIEPs**

Under special circumstances, the Domain Exporter did not export all sub-products below products referenced by a classification.

■ **ISSUE-542874 - Fix for Web UI showing unresponsive message for some components upon upgrade**

Fixed a performance issue for Grouping / Grouping Option components in Web UI Design Mode. They were loading for a long time even though they were not in Design Mode. Now, only a source Attribute Value for Grouping component will be loaded in Web UI Design Mode to avoid performance issues for complex grouping structures. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-542960 - Fix for Web UI exports failing intermittently**

Fixed thread safety issues during the export in Excel format in STEP. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-543185 - Fixed issue preventing rejection of duplicate items from Match result**

Fixed confirm / reject buttons on duplicate candidates in Matching tab in workbench.

■ **ISSUE-543484 - Fix for a customer not being able to access the SaaS QA system**

The sensor information requested from Prometheus has been fixed, so no two threads are starting to collect information for the same sensor concurrently. We recommend avoiding concurrent requests to get sensor information from the Admin Portal as these requests use a lot of memory and can contribute to the application server running out of memory. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-543547 - Customer upgrade issue fix**

Fixed a problem writing to the execution report for a background process.

■ **ISSUE-543653 - Fix for nested 'groupings' configured with Web UI mandatory validations that were conflicting and failing**

Fixed a problem occurring when the Action button with Enforce Validity on a Buttons component of the Web UI Node Editor screen was not enabled correctly after saving the hidden mandatory grouping options. There is also a hotfix available for this solution that can be applied to step-10.3-mp4.

■ **ISSUE-544050 - Fix for GraphQL query issues in 10.3-MP4 patch**

Made comparator for display sequence in collection GraphQL queries conditional as it slows down sorting. A hotfix is applicable for step-10.3-mp4.

■ **ISSUE-544119 - Solution for slow BMEcat export**

Fixed performance problems that occurred when retrieving linked attributes for a large classification hierarchy, and when using the 'Attributes inherited by Classification' on a large classification hierarchy. This type of mapping is often done on BMEcat exports using the ETIM classification hierarchy.

■ **ISSUE-544256 - Solution for failure to acquire exclusive lock worker**

Improved performance for extremely large multi-values. In this case, an IIEP was unable to restart. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-544853 - Fix for loader not disappearing with error on screen in Web UI**

When saving a Web UI screen containing a References component, sometimes an 'Unexpected error' would be shown, and the loader would keep spinning. This has been fixed. A hotfix applicable to step-10.3-mp4 is available for this solution.

■ **ISSUE-545170 - Solution for error upon importing table 0050 in the TecDoc Supplier Data file**

Added additional logging information to the BGP error report.

■ **ISSUE-545331 - Fix for bulk update config with Remove / Initiate to Workflow not working**

Now, a saved Workflow ID in Bulk Update configurations with Remove Item from Workflow or Initiate Item in Workflow Bulk Update plugins will be correctly restored in the Bulk Update wizard when performing a bulk update from the existing configuration. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-545918 - Fix for XML import that was filling up disk with mapDB temp files**

Now, temporary files created by Cassandra mapDB during the import will be cleared successfully after the import is done. There is also a hotfix available for this solution that is applicable to step-10.3-mp4.

■ **ISSUE-545946 - Fix for trailing spaces added when using the Format Text on Web UI to concatenate attribute values**

Now, eight (8) zero-width trailing spaces will not be added to the end of the value with multiple inline references when a user saves such a value on a Web UI Node Editor screen with the Attribute Value Component with Rich Text editing configured. This solution also has a hotfix available for step-10.2-mp3.

■ **ISSUE-546020 - Fix for error that pops up when trying to run sidecar installation in 'test' mode**

A timeout value solution was implemented when fetching the SCPL file during asset push set up. This solution is customer specific. Contact Stibo Systems Support if you have the same issue on your system.

■ **ISSUE-546129 - Fix for asset upload / asset linking to product as vendor issue**

A change has been made to the check used by the asset importer, now a product can be linked if the product is visible for any of the vendor groups a user is part of. Before, the product needed to be visible for all of the user's vendor groups. There is a step-10.3-mp4 hotfix available for this solution.

■ **ISSUE-546791 - Fix for error when enabling macros**

Fixed an exception occurring on Smartsheet open when a Smartsheet exceeded 33,000 rows. This solution also has a hotfix available for step-10.3-mp4.

■ **ISSUE-547275 - Fix for translation export not working**

Fix for a NullPointerException (NPE) during the Translation Export via a custom translation component.

■ **ISSUE-547302 - Fix for RuntimeException for text transformation**

Fixed a problem occurring with Replace Value with Lookup Table transformation during the import in STEP. This solution also has a hotfix available for step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-547971 - Fix for revision being created when no action is taken on an OIEP**

Fixed a problem occurring when the user clicked on an outbound integration endpoint (OIEP) configuration tab in the workbench and a revision was being added. Now, the OIEP does not add a revision when the user only clicks the configuration tab.

■ **ISSUE-548026 - Fix for inaccessible system**

Now, an info message is logged to the application server log when the dimension dependency is changed on an attribute or LOV.

■ **ISSUE-548269 - Translation status can now be reset for attribute groups**

In workbench, attribute groups now include a Status tab which allows a user to modify the translation status.

■ **ISSUE-548303 - Fix for BMEcat multilingual export for assets**

Fix in workbench for BMEcat export for multilingual assets when no language information is in the exported file. There is also a hotfix for this solution for STEP versions 10.1 (mp4, mp5, mp6), 10.3 (mp4), and 11.0 (mp2, mp3).

■ **ISSUE-548687 - Fix for 'Wind Events Forward' dialog not allowing event IDs with more than nine (9) digits**

Event Queue is updated so Forward to Event ID allows more than nine (9) digits.

■ **ISSUE-549402 - Fix for Schedule Category Profiling for the products in a collection when collection is selected**

Now, Scheduled Category Profiling allows profiling objects added to a collection without having to add this collection to yet another collection. A hotfix is available for step-10.3-mp4 and step-10.2-mp3.

■ **ISSUE-549767 - Fix for Web UI / workbench logon failure in SaaS**

STEP has a set of monitoring sensors such as the one used by loadbalancer to determine readiness of STEP. However, sensor requests could be aborted if requests for other longer-running sensor requests was ongoing, which caused the loadbalancer to reject logon attempts. This has been fixed.

■ **ISSUE-550149 - Fix for Excel translation file import issue**

Now, manual Excel translation in workbench respects 'Always Excluded Attributes' configured in Translation Settings flipper of Users & Groups on the System Setup tab. There is a hotfix of this solution that is available for step-10.3-mp4, step-11.0, and step-11.0-mp1 through mp4.

■ **ISSUE-550164 - Fix for JavaScript business rule error ReferenceSource getReferences().asList()**

Fix for an occasional ClassCastException caused by a JavaScript business rule doing getReferences().asList() invocation. A hotfix is available for step-10.3-mp4.

■ **ISSUE-550700 - Solution for issue with conditional formatting for attribute triggered by business action**

Fix for a bug in the Web UI with business condition validation on detail screens. In certain conditions, not all involved attributes would trigger the condition upon change of the value.

■ **ISSUE-550783 - Fix for Web UI unresponsive / page load issue**

In Web UI, increased loading speed occurred with multiple nested hidden Grouping Options under the Grouping component on Node Editor. This resolves page loading issues.

■ **ISSUE-551517 - Added logging for Proof View errors when decoding Base64**

Additional logging has been added for Proof View when a problem is encountered decoding Base64 is passed back from the InDesign server.

■ **ISSUE-552058 - Fix for cutting an entity root error in workbench**

Previously, an exception error about a missing parent was displayed for the entity root node being cut. Now, entity roots can successfully be cut-and-pasted in workbench when parent object types are available for the paste action.

■ **ISSUE-552551 - Fix for In-Memory change exclude Search Condition that uses a wildcard**

Now, an exclude value search with a wildcard (example: -Attribute=*) is automatically replaced by the exclamation search (example: Attribute!). Although both searches return the same result set, the exclamation search is a more efficient way to search for missing values.

■ **ISSUE-553111 - Fix for Submit button getting enabled without selecting mandatory elements**

Fix to correctly disable buttons until mandatory components are addressed under the visible grouping options on Web UI Node Editor. A hotfix is available for step-10.3-mp4.

■ **ISSUE-553314 - Fix for attribute validation base type inconsistency logging**

Added more logging to help while investigating the problem.

■ **ISSUE-553722 - Fix for Data Import screen throwing an error when added as Sub Screen Tab Page**

Fixed a NullPointerException (NPE) that was caused by the Data Import component when it was configured with a product selection import configuration but called from the Node Editor screen when a classification is selected. Instead of the NPE, an 'Invalid Product Parent' message will be shown. This solution is also available as a hotfix that is applicable to step-10.3-mp4.

■ **ISSUE-554128 - Fix for missing '*' (mandatory star) indicator**

Fix for Web UI to correctly display the mandatory marking for attribute validated parameters on the Bulk Update With Templates dialog.

■ **ISSUE-555693 - Fix for saving an LOV value in a data container attribute**

Fix for an issue with saving an LOV value in a data container attribute in Web UI. This hotfix is available for step-10.3-mp4.

■ **ISSUE-556315 - Fix for error when navigating to Advanced Search screen**

Fix for a problem loading an Advanced Search screen in Web UI. Now, if needed, all saved searches can be deleted to gain access to the Advanced Search screen.

■ **ISSUE-556577 - Fix for less interactive error message for the business user**

Fix for the error messaging being too technical in the Web UI for errors from a business action. A hotfix is available for step-10.3-mp4.

■ **ISSUE-556592 - Fix for NPE in Bulk Update edit**

Fix for a NullPointerException (NPE) during Bulk Update with templates execution. The error occurred when the user did not supply any of the templates on Bulk Update Template Dialog in the Web UI. A hotfix is available for step-10.3-mp4 and step-10.2-mp3.

■ **ISSUE-557081 - Fix for business rule in Web UI - no main address can be added to a location**

Fix for a problem in the Bulk Update functionality in the Web UI. Previously, a single value LOV with ID would resolve as the LOV ID in the business action and multi values would resolve the value. A hotfix is available for step-10.3-mp4.

■ **ISSUE-557191 - SaaS fix for missing warning on mandatory attribute**

When using LOVs with Value IDs in business rules in the Web UI, sometimes the business rule received the value and other times received the Value ID. Now, the business rule always receives the value, not the Value ID. The config property `WebUI.Value.ResolveLOVValueToID` has been removed. A hotfix is available for step-10.3-mp4.

■ **ISSUE-557422 - Fix for LOV update not getting in sync from global context to children contexts**

Fixed a bug with the Web UI LOV Management screen where LOV values would be saved to child dimension points (contexts) when editing a root dimension point. There is also a hotfix for this solution applicable to step-10.3-mp4 and step-10.2-mp3.

■ **ISSUE-557428 - Fix for IIEP failing with NullPointerException (NPE)**

Fix for a NullPointerException (NPE) when the imported product parent cannot be determined during the IIEP process.

■ **ISSUE-557721 - Fix for Smartsheet on Cassandra throwing error in search option**

Node Picker Search Tab on Smartsheet now works on STEP servers with Cassandra.

■ **ISSUE-558230 - Fix for customer system crashing / slowness**

Stateflow Deadline Process has new ability to not log every state having the deadline exceeded. This change benefits systems with for processes having a very large number of tasks where the deadline is exceeded.

■ **ISSUE-558667 - Fix for pop up 'Error on upload Server Error' in the Web UI**

A Multiple Pollers fix script has been updated to work with STEP 10.3 table structure. A hotfix is available for step-10.3-mp4.

■ **ISSUE-558729 - SaaS fix for workflow dashboard count not working**

Previously, the number of active items in a workflow was not shown for a workflow profile on STEP with Cassandra. Fixed a NullPointerException (NPE) thrown when updating on-demand data for workflow profile for STEP with Cassandra. A hotfix is available for step-10.3-mp4, step-10.2-mp3, inmemory-7.0.62, and inmemory-7.0.59.

■ **ISSUE-558807 - Fix for business rule taking a long time to run on a Web UI via the Run Business Action button for 1,000 products**

Introduced the new 'Disable Reload' parameter for the Run Business Action Toolbar component, which allows admins to disable reloading a Node List after performing a corresponding action. This solution is also available as a hotfix that is applicable to step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-559135 - Fix for error during unique key import versus assets with large content**

Fix for importing STEPXML with AssetBinaryContent larger than 2GB which would previously fail with an Out Of Memory error. A hotfix is available for step-10.3-mp4 and step-10.2-mp3.

■ **ISSUE-559159 - Fix for ZIP file getting downloaded instead of XLSX Asset**

Fix for a problem when the user was not privileged to see the asset system values then the XLS / XLSX assets were downloaded as ZIP files via the Asset Link component in Web UI. A hotfix is available for step-10.3-mp4.

■ **ISSUE-559457 - SaaS fix for Scheduled Export email file with improper naming**

Now, long filename templates with non-ascii characters do not result in corrupt email delivery attachment filenames. A hotfix is available for step-10.3-mp4.

■ **ISSUE-559876 - Fix for reference metadata attribute not working properly**

In a multi-reference Multi Edit Display Mode component in the Web UI, it was not possible to remove inherited dimension-dependent LOV values. This has been fixed. There is a hotfix also available for this solution that is applicable to step-9.3-mp3, mp4, and mp5 and step-10.3-mp4.

■ **ISSUE-560788 - SaaS fix for fatal error in Web UI background process list**

Fix for a problem in the Web UI with the Background Process List screen if a process did not have a valid start date that caused an error when sorting or filtering. This hotfix is available for step-11.0-mp2 and step-10.3-mp4.

■ **ISSUE-560820 - Fix for modifying a Custom Export made by a user in Excel 97**

Fix to make Excel 2007 the default Excel version for Custom Export configurations that use Excel versions that are no longer supported. A hotfix is available for step-10.3-mp4.

■ **ISSUE-560921 - Fix for module proofing not working**

The InDesign Sidecar could incorrectly restart if the sidecar temporarily could not reach the STEP servers to report its status. This has now been fixed. This solution also has a hotfix available that is applicable to step-11.0-mp1 through mp4.

■ **ISSUE-561466 - Fix for inability to see a background job for impersonated user in Web UI**

Fixed a problem occurring when users, impersonating a supplier user who does not have privileges to view BGPs of other users, were not able to access their own BGPs on a Background Process Details screen in Web UI with In-Memory enabled. There is also a hotfix available for this solution that is applicable to step-10.3-mp4.

■ **ISSUE-561562 - SaaS fix for selection of an LOV using typeahead feature shows the ID instead of the value selected**

Fix for a problem when LOV values were replaced by IDs on Web UI Node Editor. This occurred when, after selecting a typeahead suggestion for an attribute with a huge LOV, the user changed focus from the Attribute Value component field. A hotfix is available for step-10.3-mp4.

■ **ISSUE-561604 - SaaS fix for empty references**

Fix to filter out null (empty) references when calling query.asList or .forEach for queryReferencedBy business rule API.

■ **ISSUE-562121 - Solution for Multi Context Edit component falsely suppressing references**

Fix for a bug with editing references through the Multi Context Edit component of the Web UI, where previously, the wrong dimension point would be used when editing. A hotfix is available for step-11.0-mp2.

■ **ISSUE-562401 - Fix for a missing expansion icon**

Fixed a problem where a selected item on a Web UI Tree Navigator on a Global Navigation Panel did not have an icon to expand even if it had children. A hotfix applicable to step-10.3-mp4 is also available for this solution.

■ **ISSUE-563200 - Fix for Web UI 'References Asset Representation' component not working for product overrides**

Fixed a problem in Web UI Node Editor when asset references for product overrides were not displayed via Referenced Asset Representation. A hotfix is available for step-10.0-mp3, step-10.0-mp4, step-10.0-mp5, and step-10.3-mp4.

■ **ISSUE-563488 - Fix for BMEcat multilingual export for assets**

Fix in workbench for BMEcat export for multilingual assets when no language information is in the exported file. There is also a hotfix for this solution for STEP versions 10.1 (mp4, mp5, mp6), 10.3

(mp4), and 11.0 (mp2, mp3).

■ **ISSUE-563501 - SaaS fix for randomly changing configuration of outbound integration endpoints**

In workbench, viewing an old revision of an outbound integration endpoint (OEIP) could unexpectedly overwrite the current configuration if the user then selected the 'Configurations' tab. This has been fixed. A hotfix is available for step-10.3-mp4.

■ **ISSUE-563886 - SaaS fix for error in creating new screen with User Password component**

Fix for a NullPointerException (NPE) error on the Web UI Node Details screen that occurred when a user added a User Password component. The User Password component is only valid on a User Details screen. Now, if the User Password component is added on a Node Details screen, no error will display, and the invalid component will also not display. A hotfix is available for step-10.3-mp4.

■ **ISSUE-564172 - SaaS fix for poor performance of BGPs**

The ability to improve performance of purging recycle bin when purging attribute values is now available. For more information, contact Stibo Systems Support. A hotfix is available for step-10.3-mp4.

■ **ISSUE-565269 - Fix for internal server error while viewing packaging**

Now, a packaging screen in the Web UI will not immediately fail loading with an exception if there are illegal links to non-packaging nodes via the packaging link. Instead, an error message will be logged at a SEVERE level to the STEP app log that will allow users to locate such a problem. This solution is also available as a hotfix that is applicable to step-10.3-mp4.

■ **ISSUE-567413 - Fix for issue occurring while trying to save an LOV value in a Data Container attribute**

Fixed a problem occurring when an LOV value with more than 5,000 values on a Data Container Editor on a Web UI Node Editor was not able to save the LOV value if the ID started with the same prefix as other LOV IDs for this attribute. There is also a hotfix for this solution that is applicable to step-10.3-mp4.

■ **ISSUE-568376 - Fix for out-of-date serving platform**

Upgraded moment.js dependency to the latest version for the Customer MDM Data Profile component. There is also a hotfix available for this solution that is applicable to step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-568378 - Fix for lack of authentication config endpoint access**

Now, config resources will not be available for STEP system with SSO enabled if the current session is not authenticated. Fixed workbench inaccessibility issues with config resource blocked. There is also a hotfix available for this solution that is applicable to step-10.2-mp3 and step-10.3-mp4.

■ **ISSUE-569368 - Fix for the inability to copy values with local formatting when using User Configurable Views**

Introduced the ability to enforce the 'Enable Locale Formatting' option for Table Header Values that are configured via User Configurable Views in Web UI. To enable this property, contact Stibo Systems Support. It is important to note that this property does affect all the table headers added to User Configurable Views and it only affects newly created views. This solution is also available as a hotfix that is applicable to step-10.3-mp4.

■ **ISSUE-569586 - Fix for inability to create a product and view the product details in Web UI**

Fixed a side effect causing an exception after installing HOTFIX-6019 which was related to initialization of a References component on a Web UI Node Editor. The solution is also available via a hotfix for step-10.3-mp4.

■ **ISSUE-570924 - Additional logging added to identify Product MDM event processor error**

Gathering more info in exception for better debug options. Additionally, there were JavaScript data inconsistencies that were cleaned up as part of the process of working to resolve the issue. This solution is also available as a hotfix that is applicable to step-10.3-mp4.



PATCH RECIPE

The 10.3-MP5 baseline patch can be installed with the following recipes:

```
spot --apply=to:step/platform/step-10.3-mp5.spr
```

—OR—

```
spot --upgrade=step:10.3*
```

***Before installing the recipe provided by the SPOT --upgrade functionality, review the baseline and component versions that the system will be upgraded to before applying. Verify that the baseline and/or components are the correct versions to be applied (i.e., the versions you did testing on—and not a higher, untested version).**

For on-premise systems, refer to the SPOT Program documentation for more information, including how to use the SPOT `--upgrade` command to also find compatible components that can be added at the same time as the baseline patch (`--upgrade=all`) in the SPOT Program topic of the System Administration Guide found in Downloadable Documentation. For assistance, contact Stibo Systems Technical Services. For SaaS systems, contact your Stibo Systems account manager.

Note: Customers may want to search Jira for their Maintenance Patch Issue Numbers. To do so, while in Jira, 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 from the Maintenance Patch Notes. Press Enter or click the magnifying glass icon to run the query. **Users will only be able to view**

Jira tickets for Maintenance Patch 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 will be displayed.