RELEASE NOTES

November 18, 2021

(including Product MDM for Automotive)

Updated November 30, 2021

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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. To see what updates were made as part of the enhancement request process, see 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
```

See the SPOT Program documentation for help doing the STEP upgrade and installing add-on components. For customers that have custom add-on components and/or if Stibo Systems Support is deploying your system upgrades and patches, please 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.

Details

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 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.
- 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 available by the end of the year. See the Product Data Exchange (PDX) Enhancements release note in the 10.3 release note set for more information for installation guidance.

- 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.
- Extensive updates were made to the System Administration section.
- 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 > 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

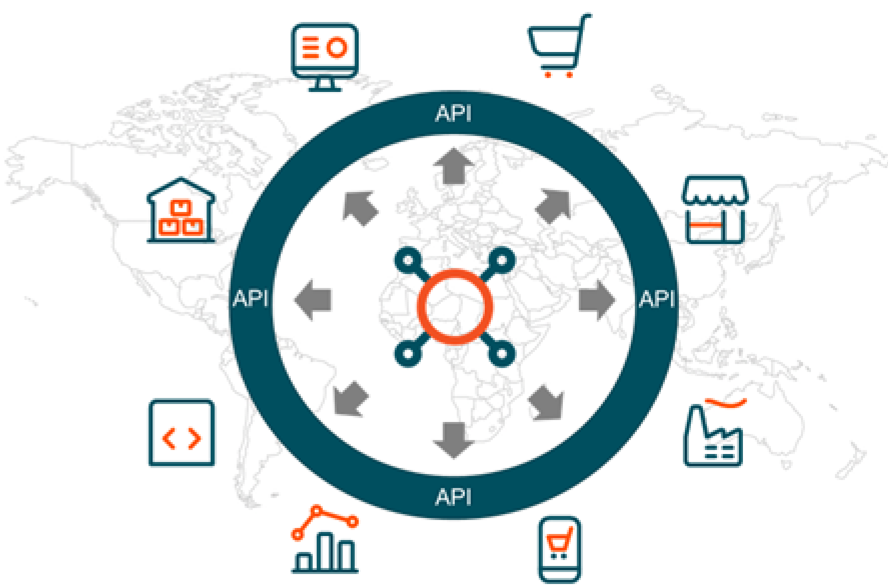
Stibo Systems' Data as a Service (DaaS) offering addresses direct high-volume consumption of master data, for example, by web site or point of sale (POS) through an always-on, cloud-native API configured for maximum ease of use.

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, see 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, see 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.

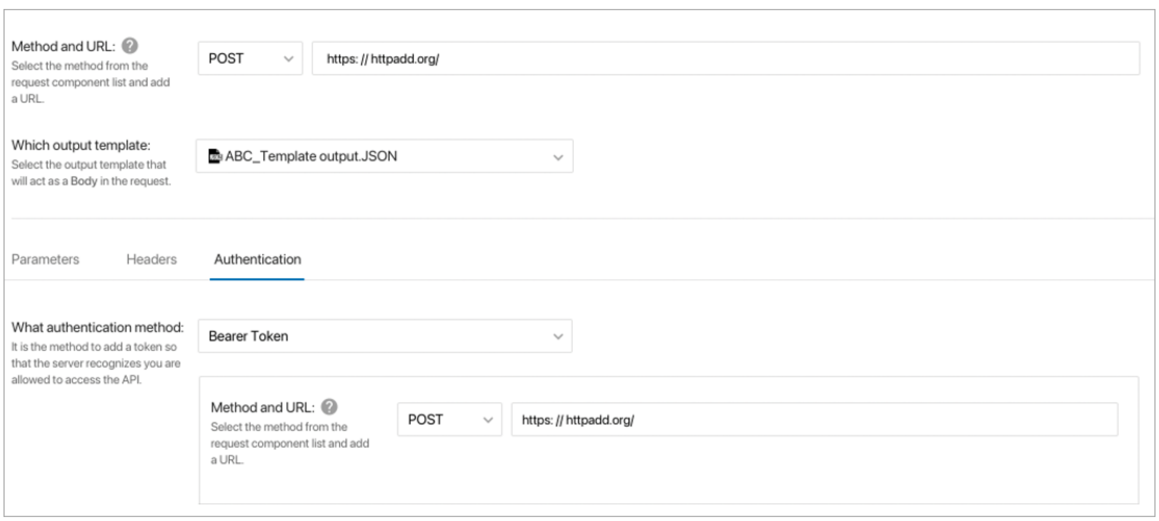
In addition to the above, new PDX Documentation will be available by end of the year.

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 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

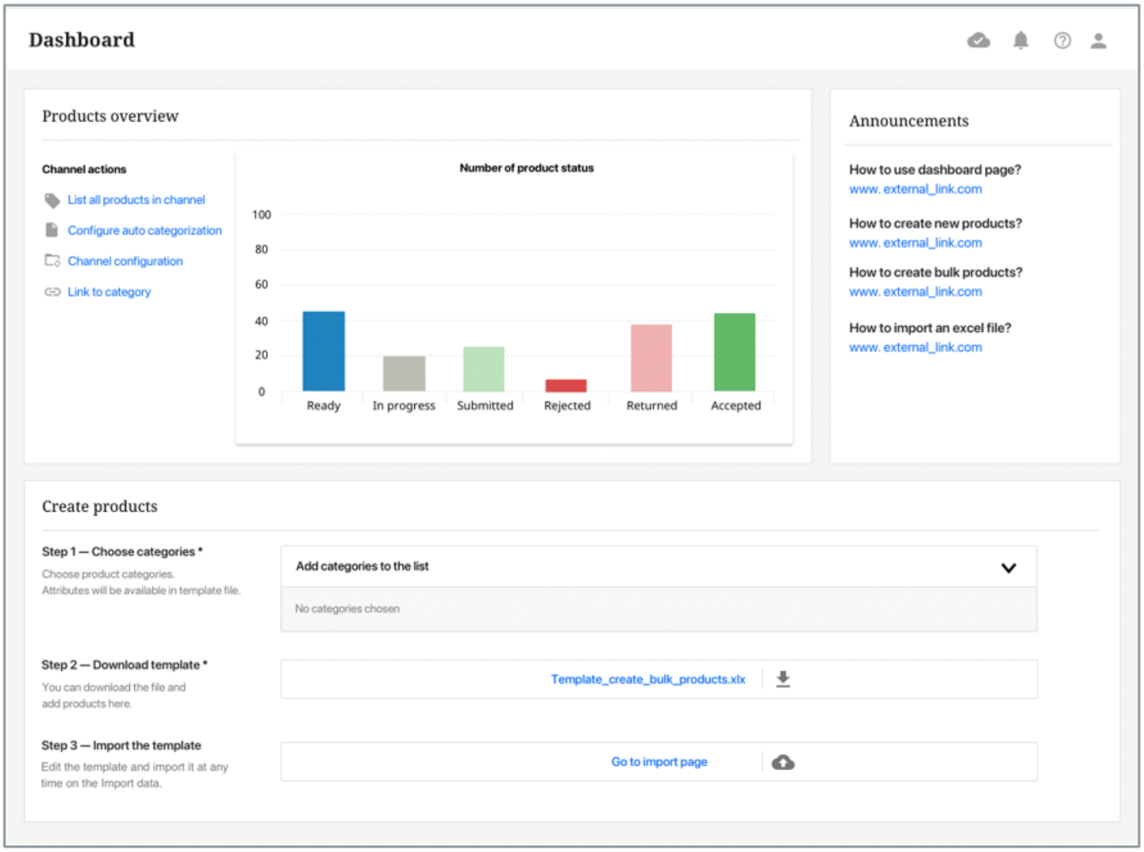
Commercial licenses required for the above functionality are PDX Syndication and PDX Multi-Language Support.

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 by the end of the year — accessible via a link inside the PDX interface. This documentation will complement the Help & FAQs, which will continue to be available.

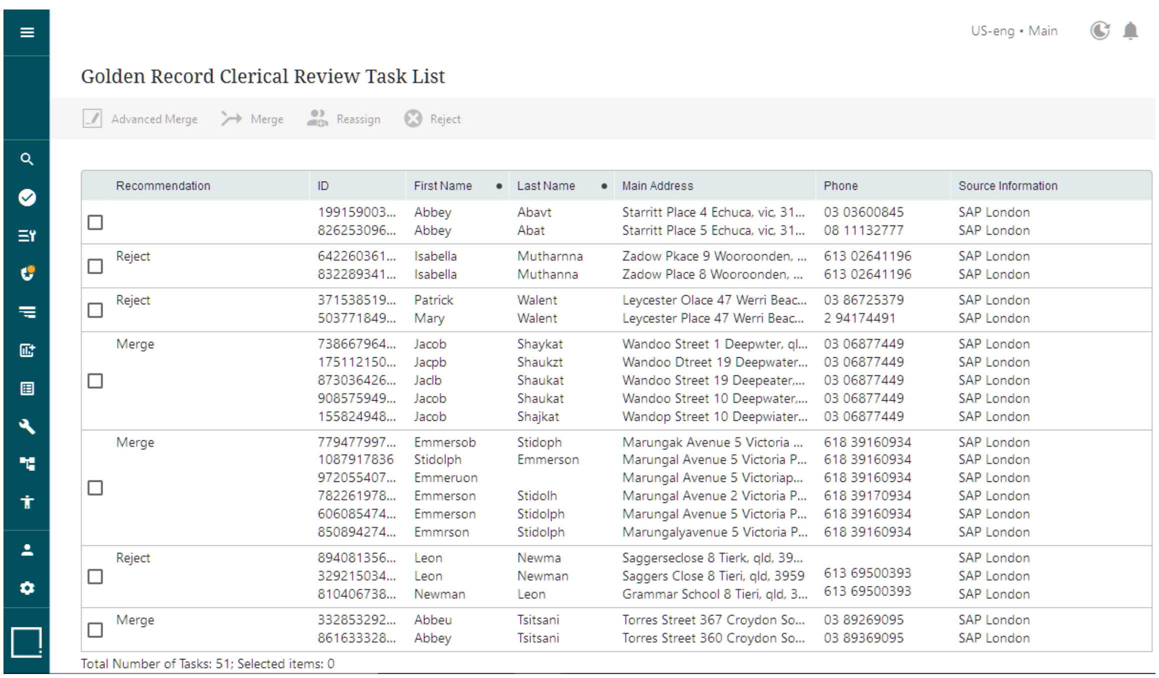
New Machine Learning Matching Agent for Clerical Review Task List

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, see 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.



Recommendation	ID	First Name	Last Name	Main Address	Phone	Source Information
	199159003...	Abbey	Abavt	Starritt Place 4 Echuca, vic, 31...	03 03600845	SAP London
	826253096...	Abbey	Abat	Starritt Place 5 Echuca, vic, 31...	08 11132777	SAP London
Reject	642260361...	Isabella	Mutharnna	Zadow Pkace 9 Wooroonden, ...	613 02641196	SAP London
	832289341...	Isabella	Muthanna	Zadow Place 8 Wooroonden, ...	613 02641196	SAP London
Reject	371538519...	Patrick	Walent	Leycester Olace 47 Werri Beac...	03 86725379	SAP London
	503771849...	Mary	Walent	Leycester Place 47 Werri Beac...	2 94174491	SAP London
Merge	738667964...	Jacob	Shaykat	Wandoo Street 1 Deepwter, ql...	03 06877449	SAP London
	175112150...	Jacpb	Shaukzt	Wandoo Dtreet 19 Deepwater...	03 06877449	SAP London
	873036426...	Jaclb	Shaukat	Wandoo Street 19 Deepeater,...	03 06877449	SAP London
	908575949...	Jacob	Shaukat	Wandoo Street 10 Deepwater,...	03 06877449	SAP London
	155824948...	Jacob	Shajkat	Wandop Street 10 Deepwiater...	03 06877449	SAP London
Merge	779477997...	Emmersob	Stidoph	Marungak Avenue 5 Victoria ...	618 39160934	SAP London
	1087917836	Stidolph	Emmerson	Marungal Avenue 5 Victoria P...	618 39160934	SAP London
	972055407...	Emmeruon		Marungal Avenue 5 Victoriap...	618 39160934	SAP London
	782261978...	Emmerson	Stidolh	Marungal Avenue 2 Victoria P...	618 39170934	SAP London
	606085474...	Emmerson	Stidolph	Marungal Avenue 5 Victoria P...	618 39160934	SAP London
	850894274...	Emmrson	Stidolph	Marungalyavenue 5 Victoria P...	618 39160934	SAP London
Reject	894081356...	Leon	Newma	Saggerseclose 8 Tierk, qld, 39...		SAP London
	329215034...	Leon	Newman	Saggers Close 8 Tieri, qld, 3959	613 69500393	SAP London
	810406738...	Newman	Leon	Grammar School 8 Tieri, qld, 3...	613 69500393	SAP London
Merge	332853292...	Abbeu	Tsitsani	Torres Street 367 Croydon So...	03 89269095	SAP London
	861633328...	Abbey	Tsitsani	Torres Street 360 Croydon So...	03 89369095	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, see 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, see the New Machine Learning Matching Agent for Clerical Review Task List release note in this 10.3 release note set.

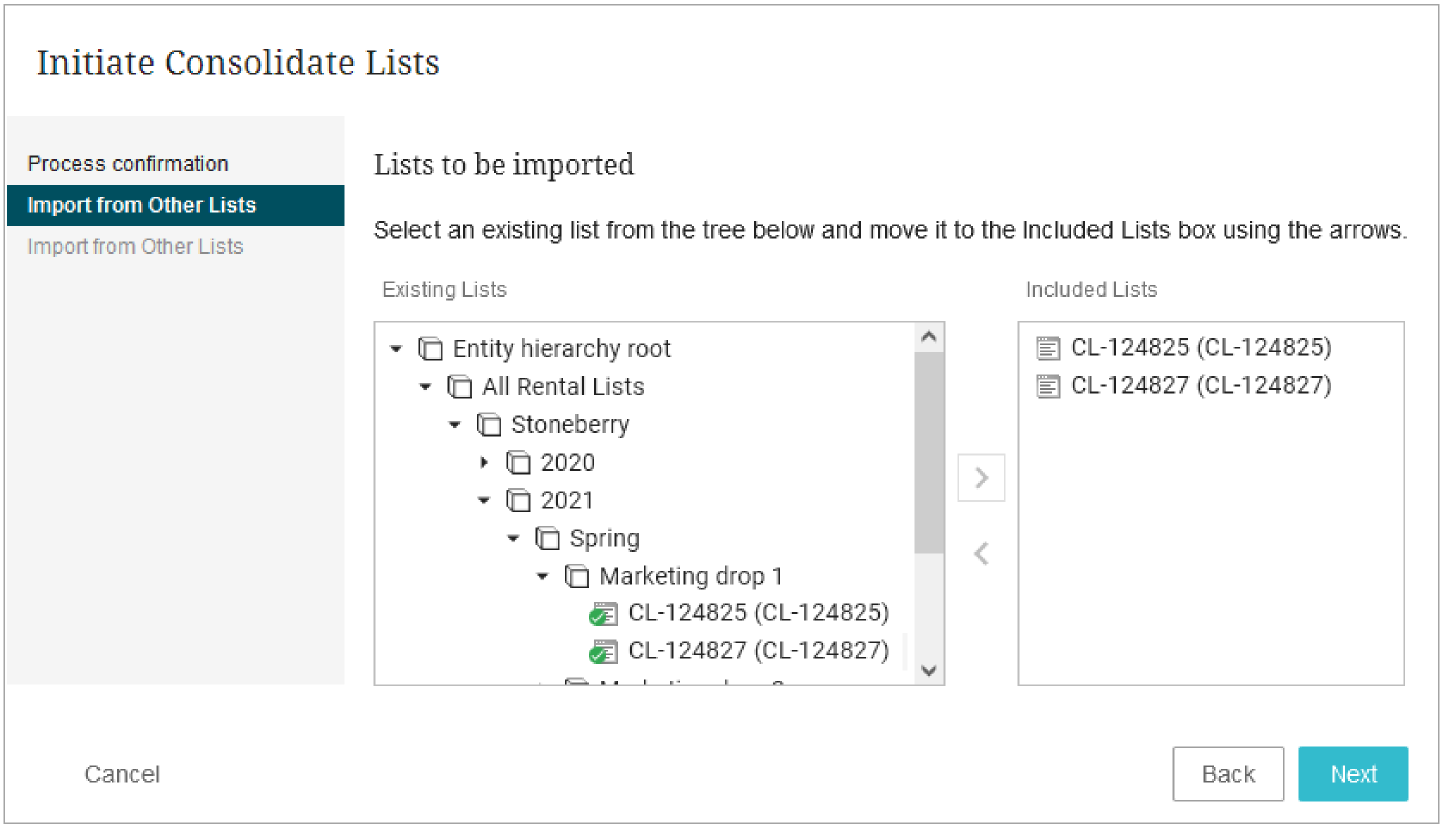
Details

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.



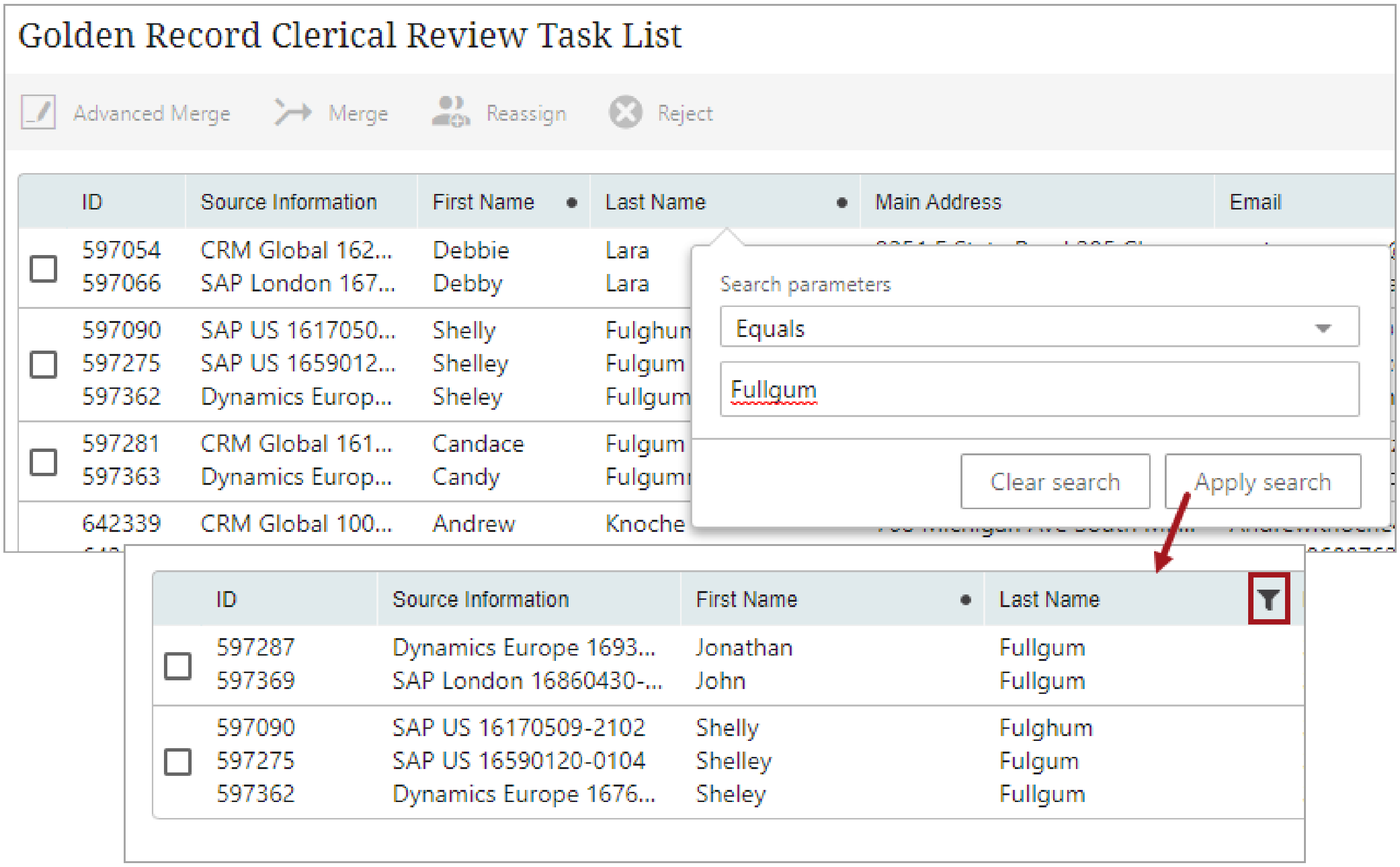
List processing functionality is optional and available on systems with the activated List Processing commercial license (in addition to the standard Customer MDM domain license). Contact your account manager or partner manager to begin the process of enabling a license or licenses for your system.

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

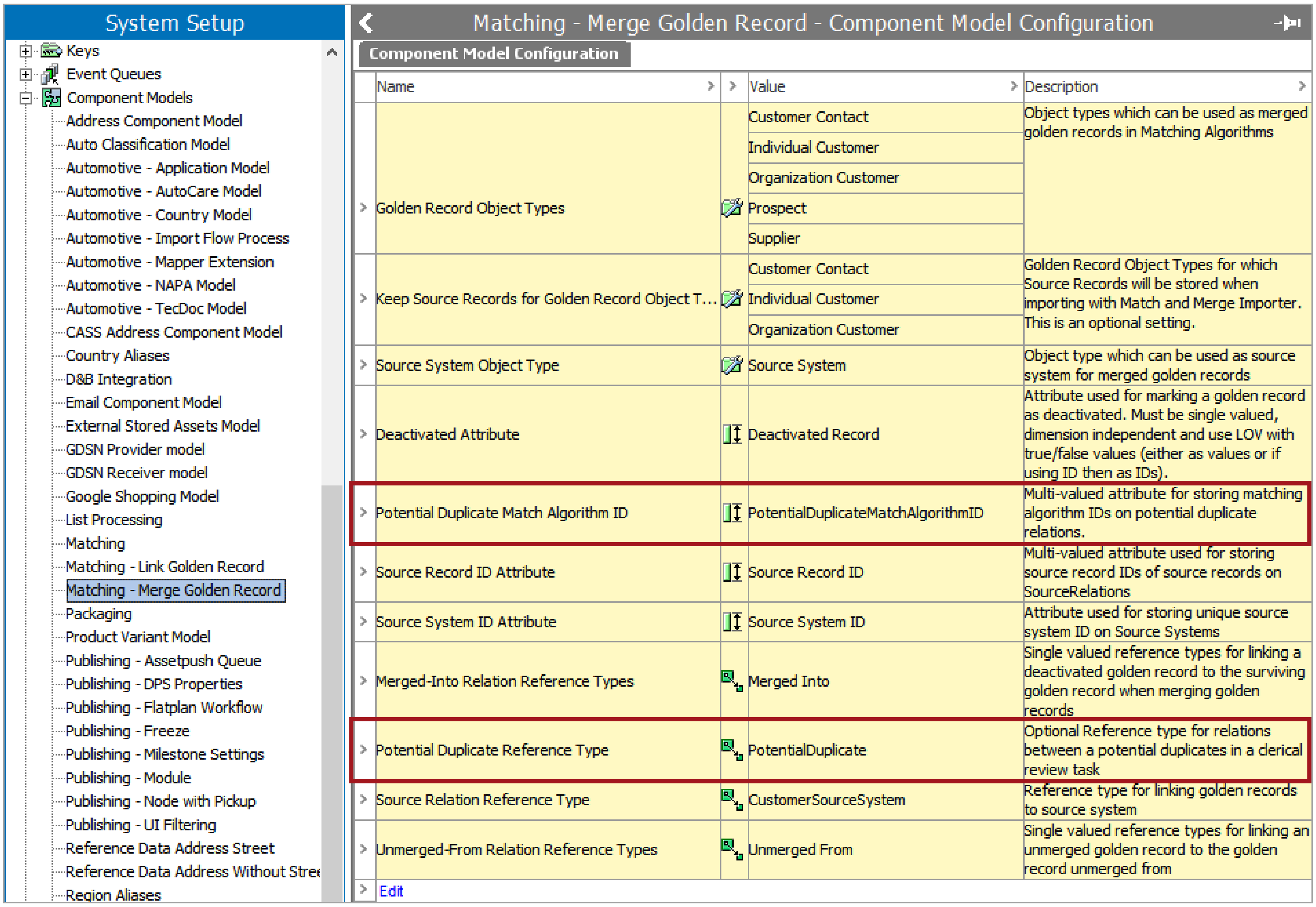
Golden Record Clerical Review Task List improvements for Match and Merge

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.



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, see the Configuring the Matching - Merge Golden Record Component Model topic in the Matching, Linking, and Merging documentation.



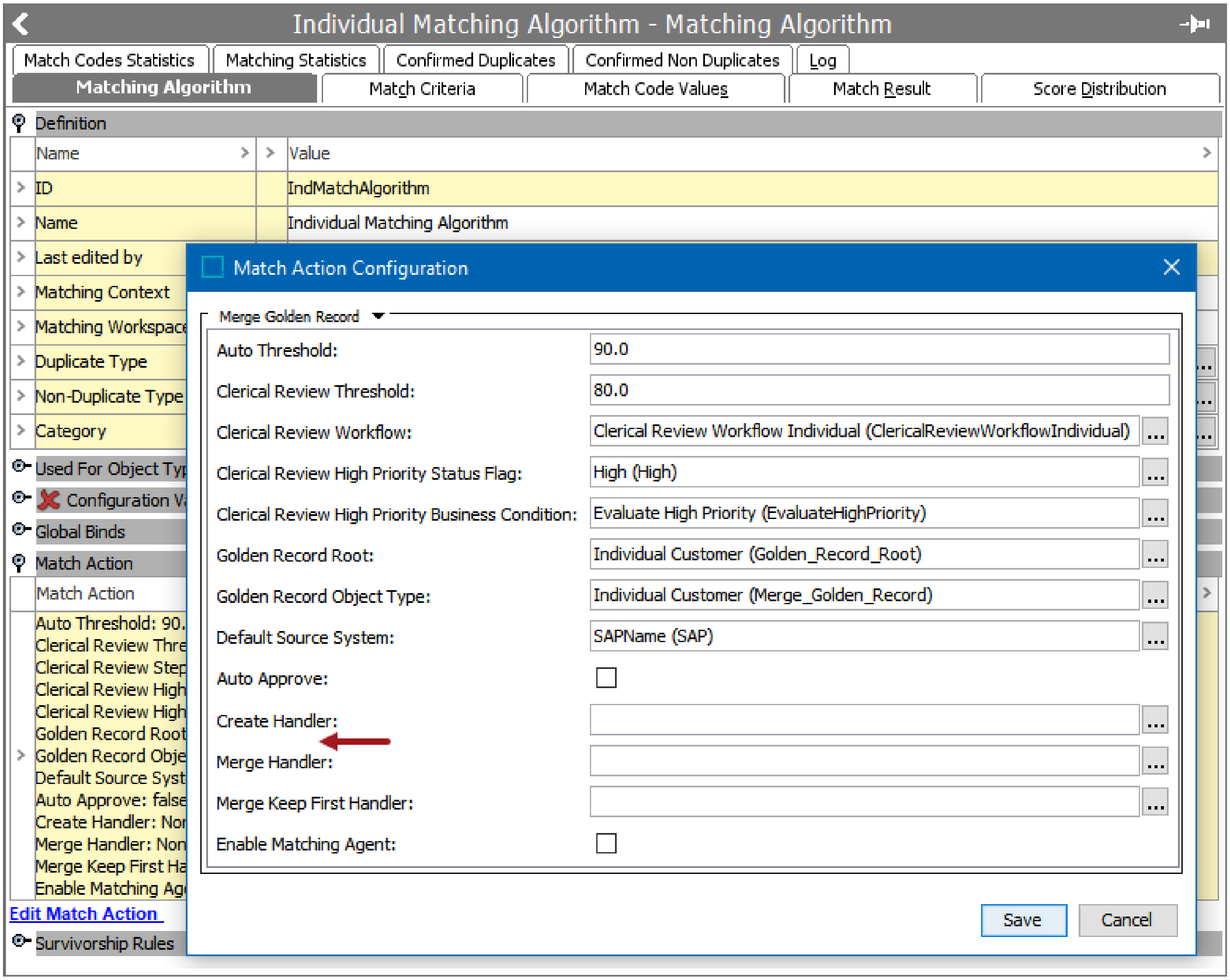
On an existing system, after configuring the Potential Duplicates Reference functionality, update existing data to include the new references. To do so, on the relevant Event Processor, republish events for all nodes included on the Triggering Object Types flipper in the Event Triggering Definitions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

For more information, see 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.



For more information, see 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.

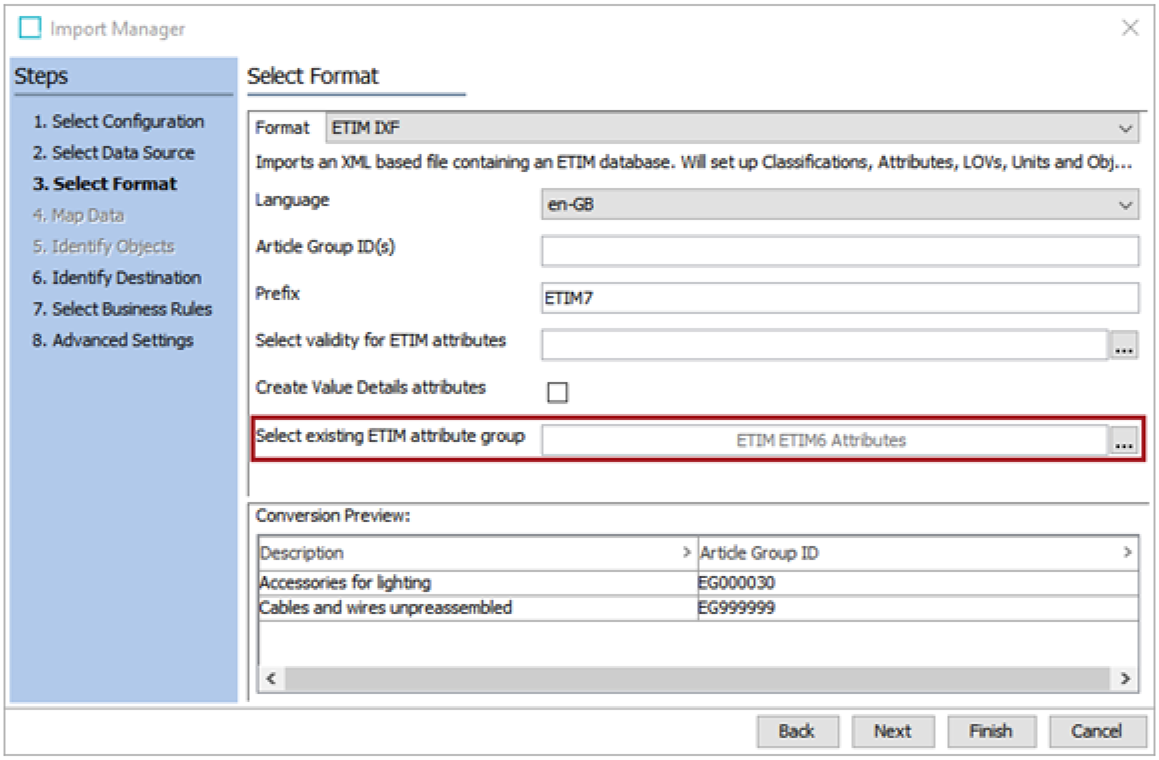
An additional enhancement 'Web UI Excel Exports in Node List Sort Order' is documented in the Web UI Enhancements and Changes release note in this 10.3 Release Note set.

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 check to see 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. See the 10.2-MP2 Maintenance Patch Notes in the online help documentation.

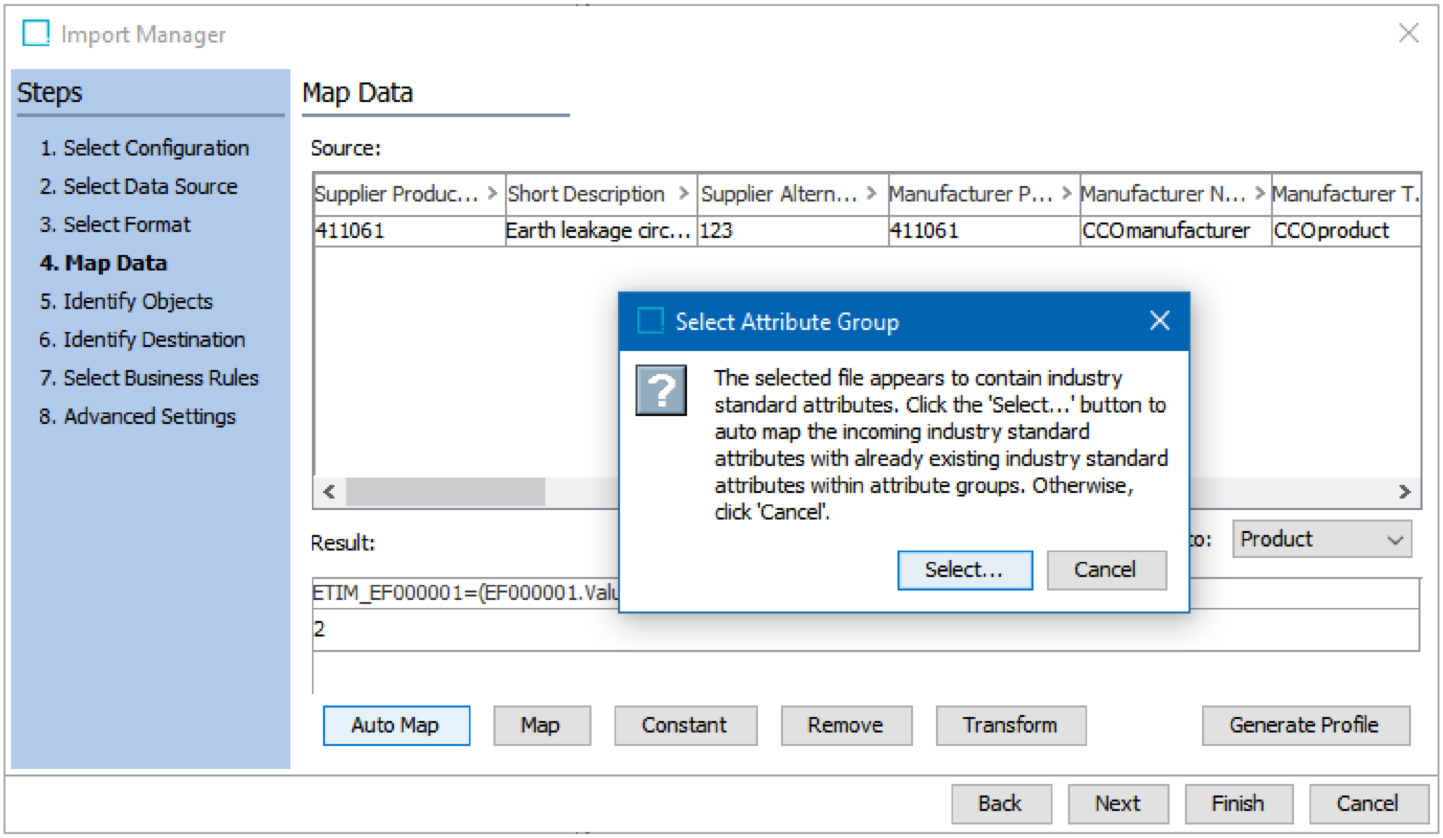


For more information, see the ETIM IXF Format topic in the Data Exchange documentation.

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. See the 10.2-MP2 Maintenance Patch Notes in the online help documentation.



For more information, see 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. Instructions for installing components can be found in the SPOT Program topic in the System Administration documentation.

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.

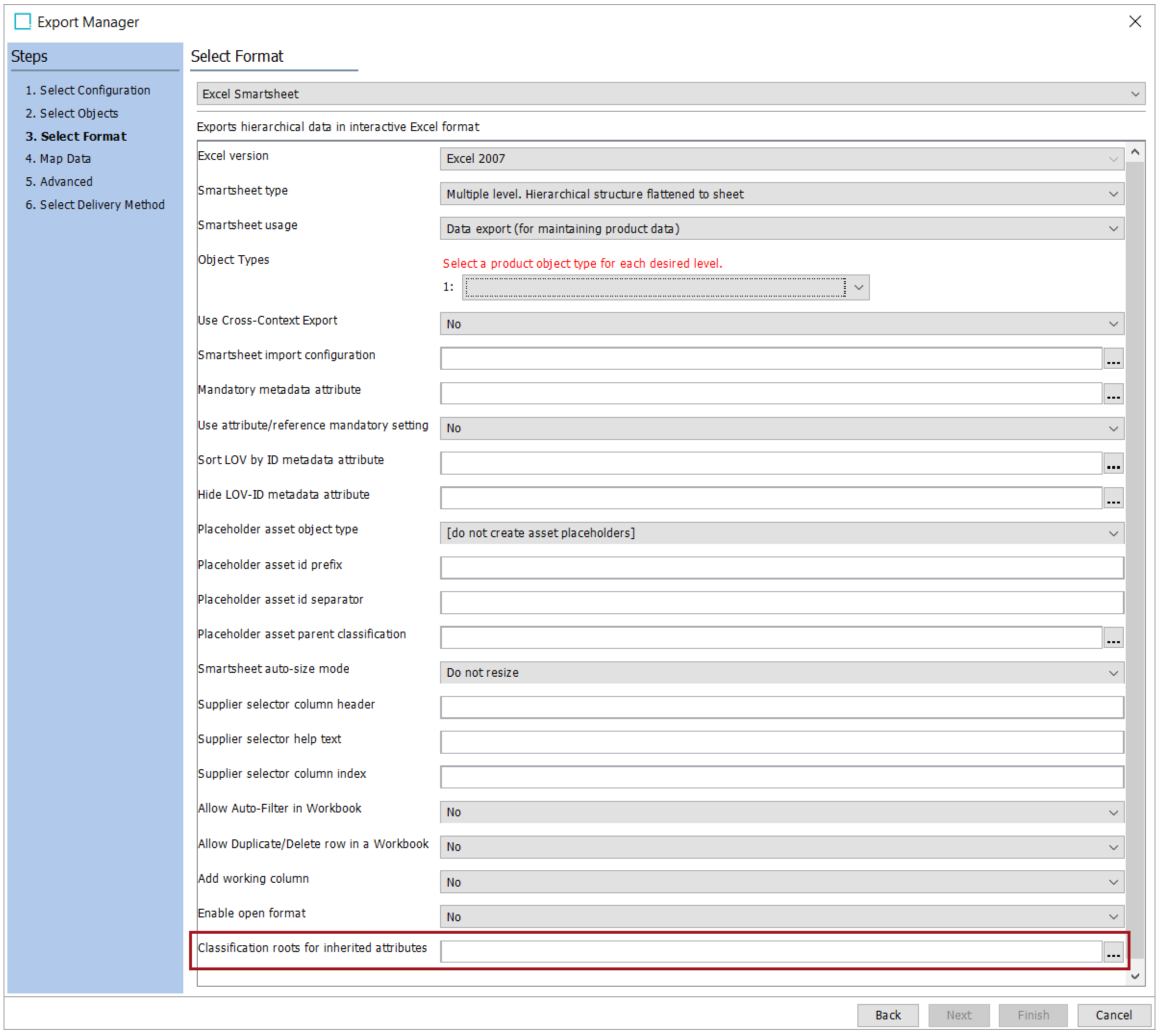
For more information on the ECLASS format, see the ECLASS Format topic in the Data Exchange documentation.

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. Instructions for installing components can be found in the SPOT Program topic in the System Administration documentation.

Classification attributes in Smartsheets

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.



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, see 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 see 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.

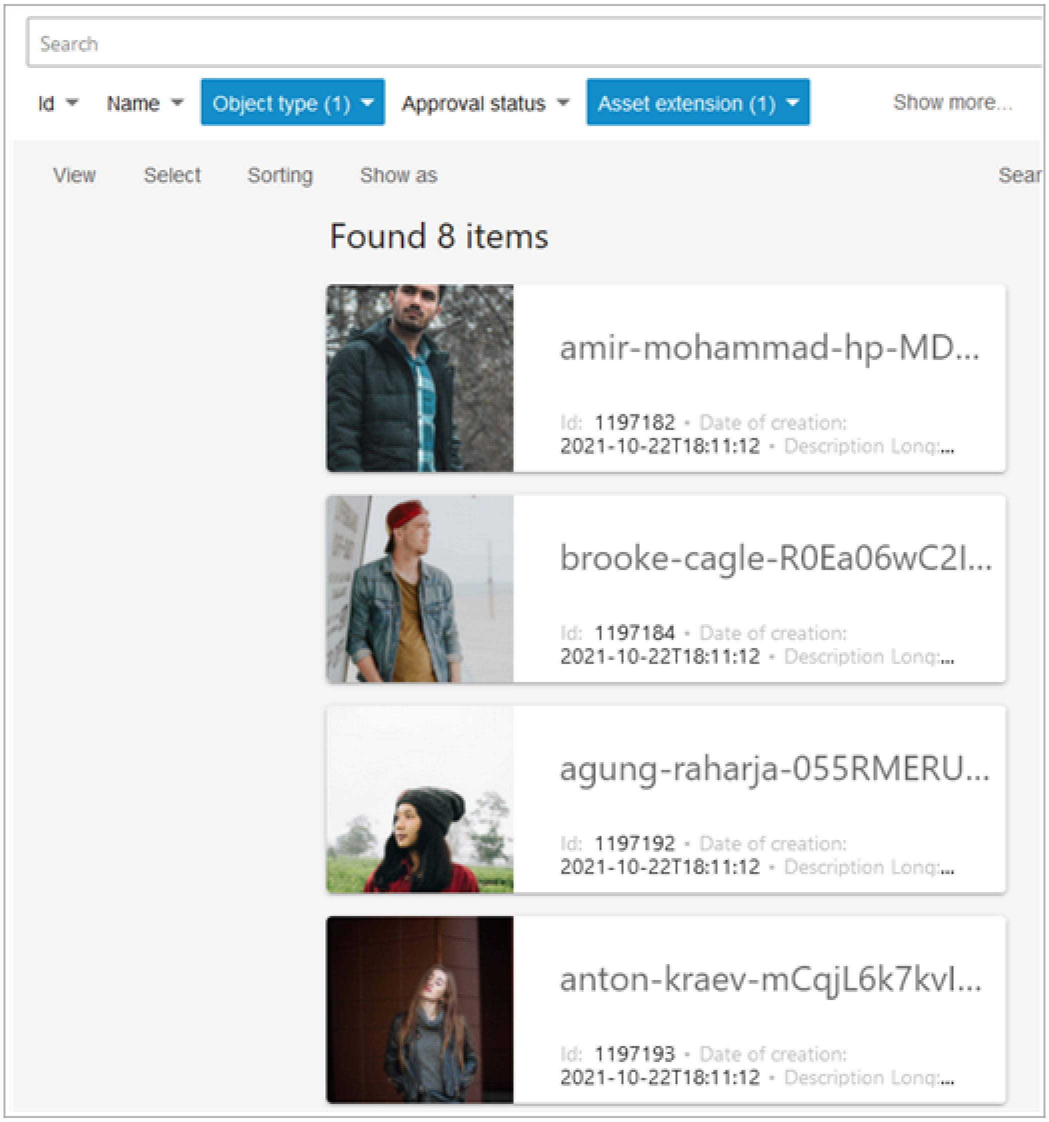
Improvements made to the faceted search solution in 10.3 require re-indexing of the data to continue using the solution. This means that customers with existing faceted search implementations must delete existing indexes and republish all data to Elasticsearch. This is necessary to implement new schema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

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 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.

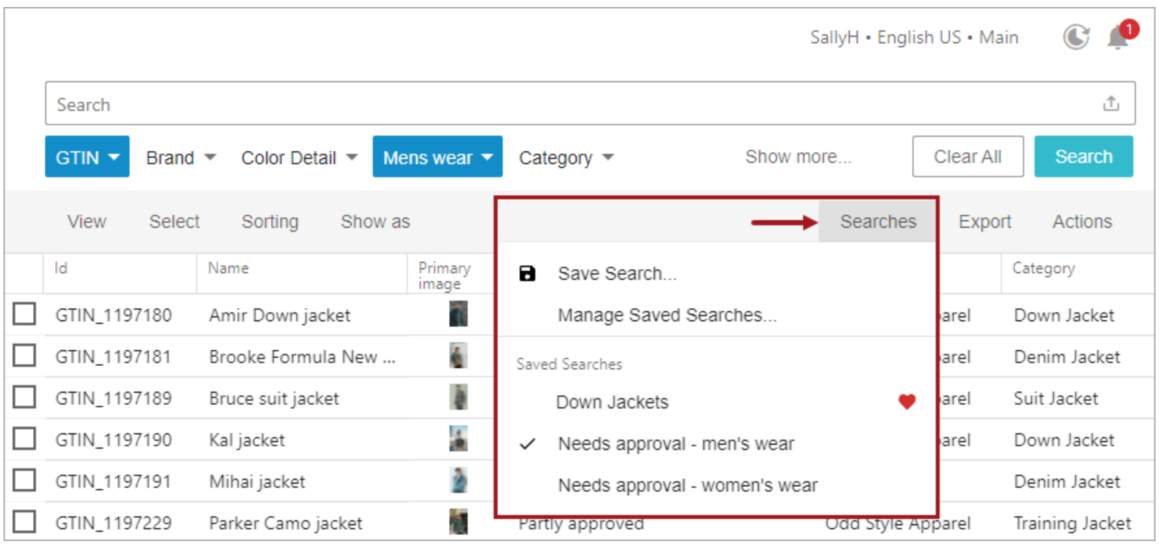
Previously, when saving a search, only the search bar text and the selections made within any facet were saved. Now, saved searches include a number of additional display settings so that a saved search contains the entire view configuration and interface, as well as the actual search criteria. This 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, see the Search Screen Searches topic in Web User Interfaces / Web UI Setup and User Guide documentation.

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.

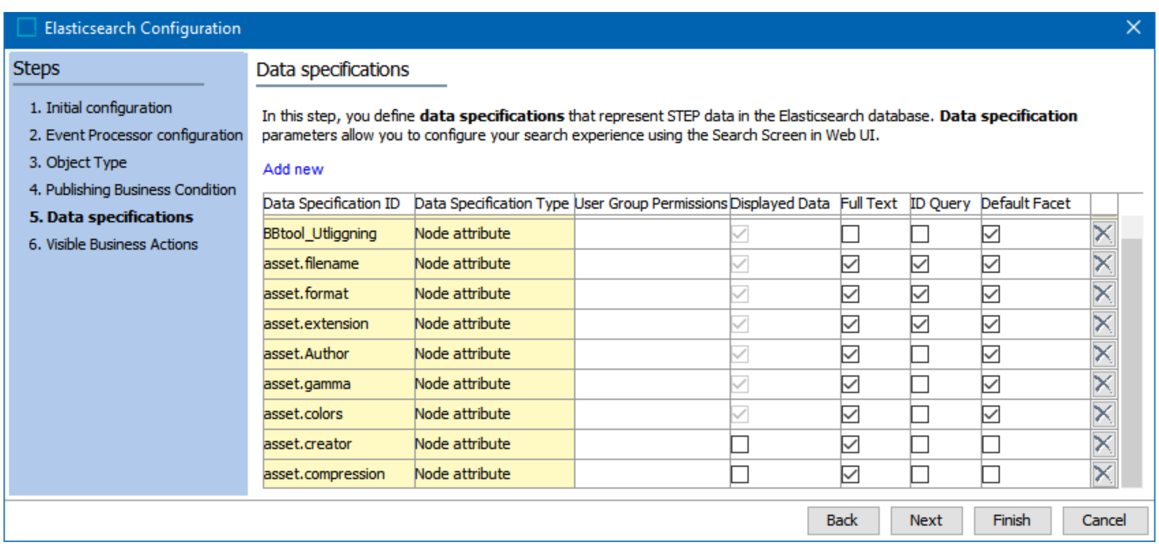
If your system has the `Elasticsearch.FeatureToggle.UserGroupPermissions` property in the sharedconfig.properties file, remove the property prior to upgrading. Any online help that references this property will be updated with 10.3-MP1.

Increased limit on the number of 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 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, see the Elasticsearch Publishing topic in the Web User Interfaces / Web UI Setup and User Guide 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.

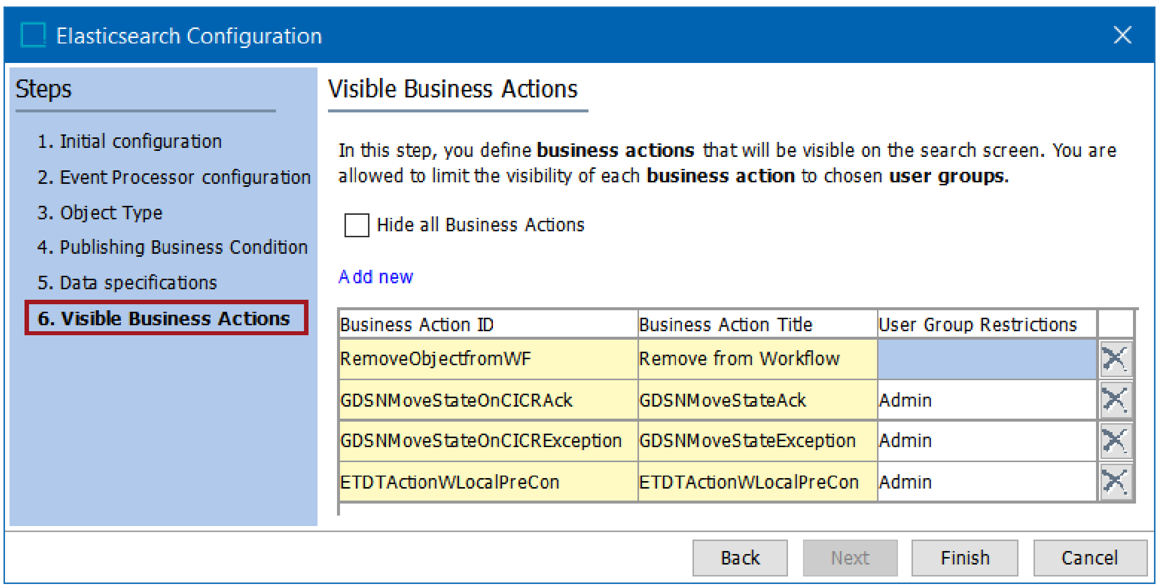


The previous 'Static Facet' configuration option has been renamed to 'Default Facet' for clarity, since this option is used to indicate data specifications that appear as facets on the screen by default. Additionally, robust tool tips when hovering are available for each header in the configuration table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

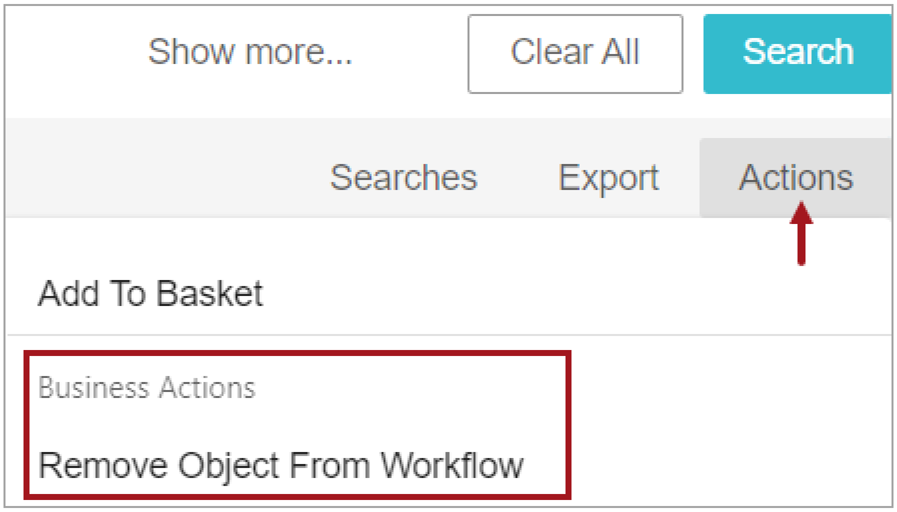
For more information, see the Creating an Elasticsearch Configuration topic in the Web User Interfaces / Web UI Setup and User Guide documentation.

Restrict the available business actions 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 see the actions that are relevant for them to execute from the Search Screen. In the following image, four business actions are configured for use in the Search Screen.



In the Search Screen, using the configuration above, members of the Admin user group see all four business actions, while users without Admin privileges (as shown below) only see the business action without restrictions ('Remove from Workflow'). Business actions are enabled when at least one relevant object is selected from the 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, see the Creating an Elasticsearch Configuration topic in the Web User Interfaces / Web UI Setup and User Guide 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 data, this release supports version 7.13.1 of Elasticsearch and Kibana.

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

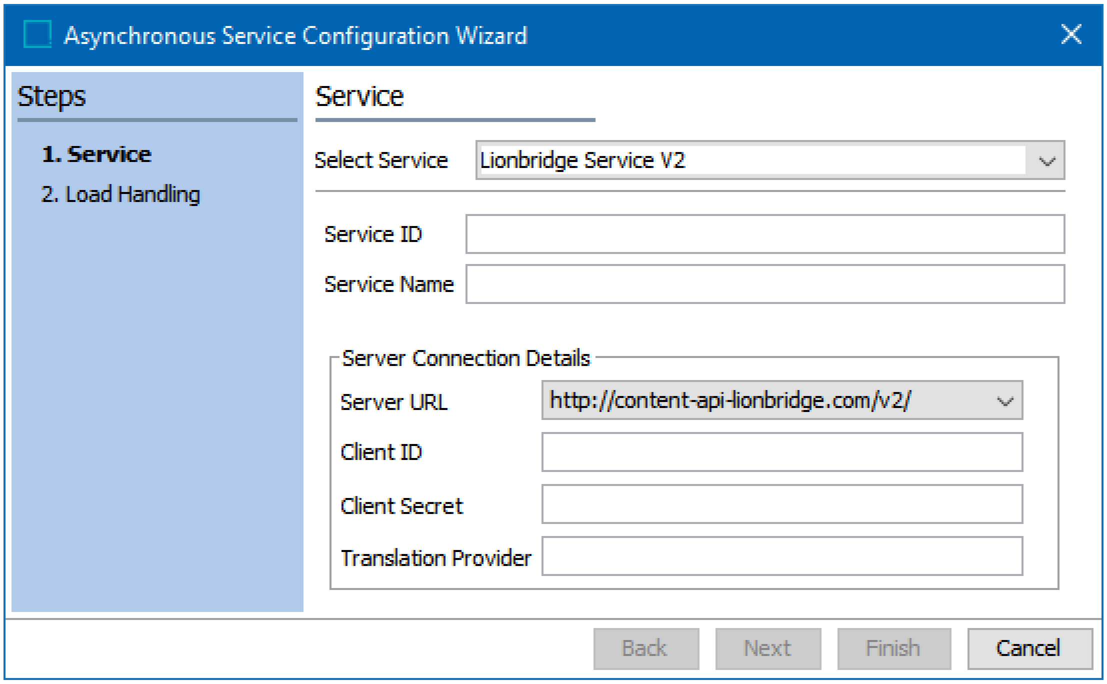
- Translation services now includes support for Lionbridge APIv2.
- There is a new way of handling duplicate unique keys when importing in STEPXML.
- Images in SVG format now display previews in both the workbench and Web UI.
- The new 'Business Function for Syndigo Request' parameter enables users without 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 BGPs 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.

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.

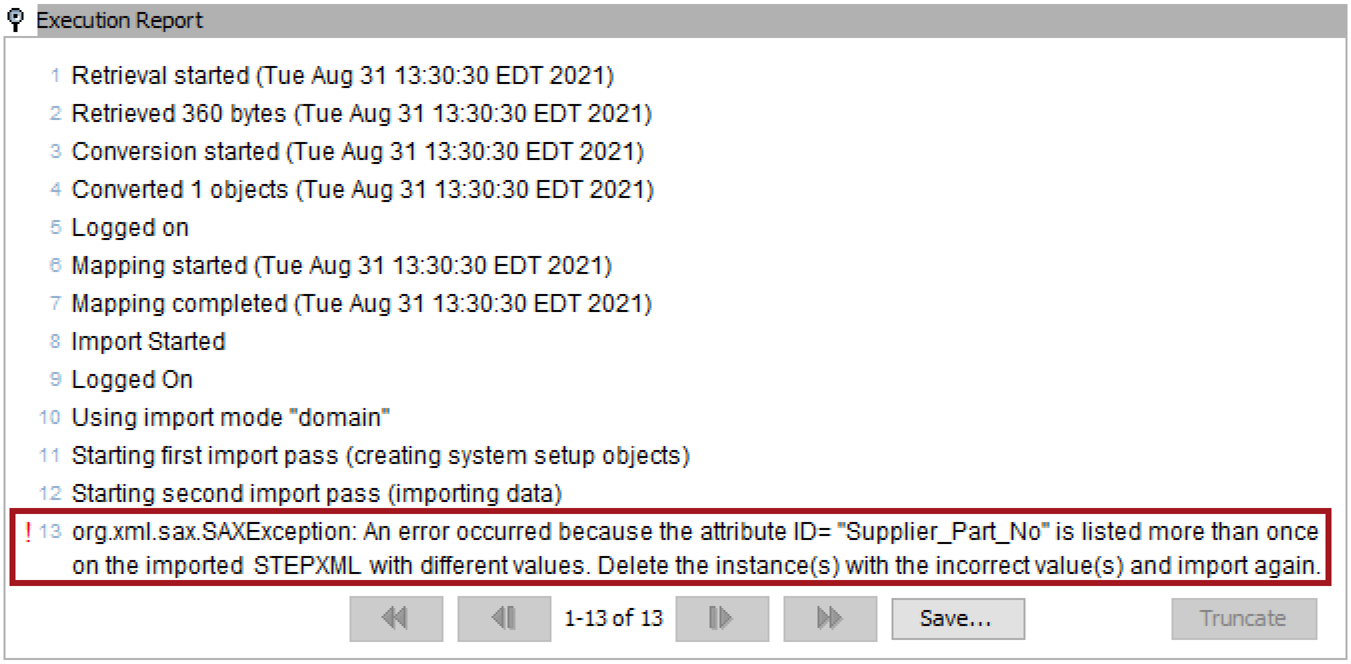


For more information, refer to the Configuring an Asynchronous Translation Service topic in the Asynchronous Translations section of the Data Integration documentation.

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. Instructions for installing components can be found in the SPOT Program topic in the System Administration documentation.

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.

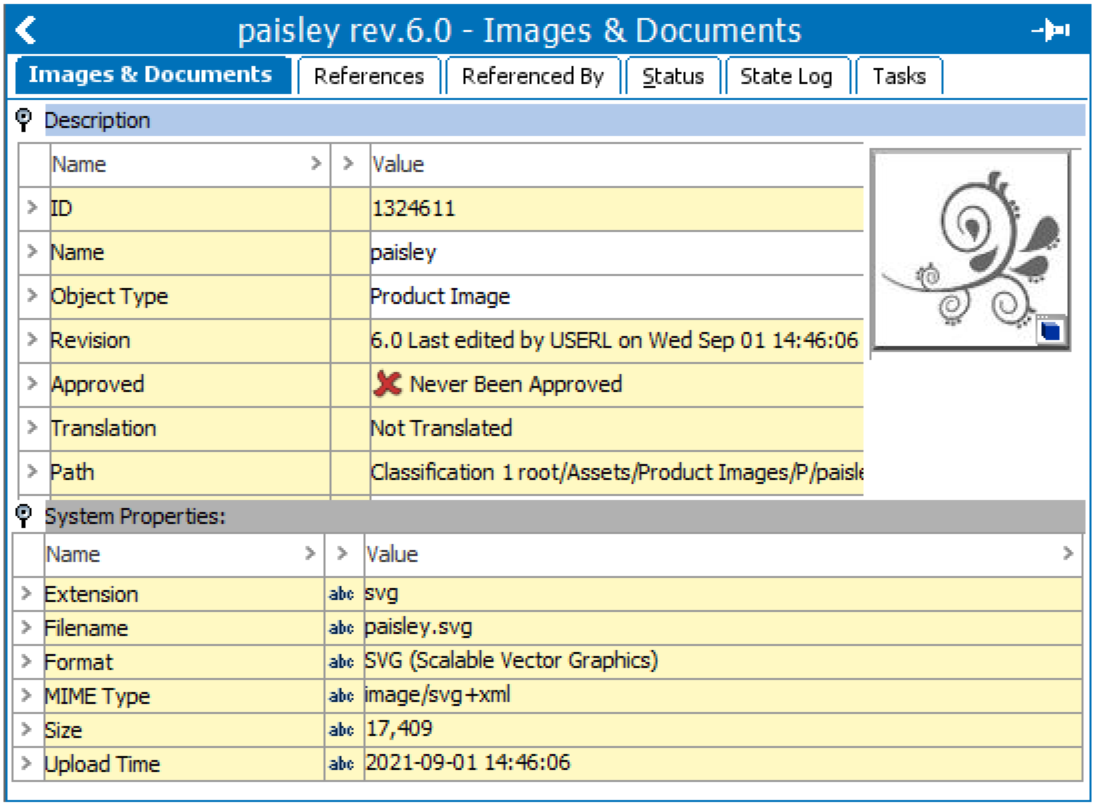


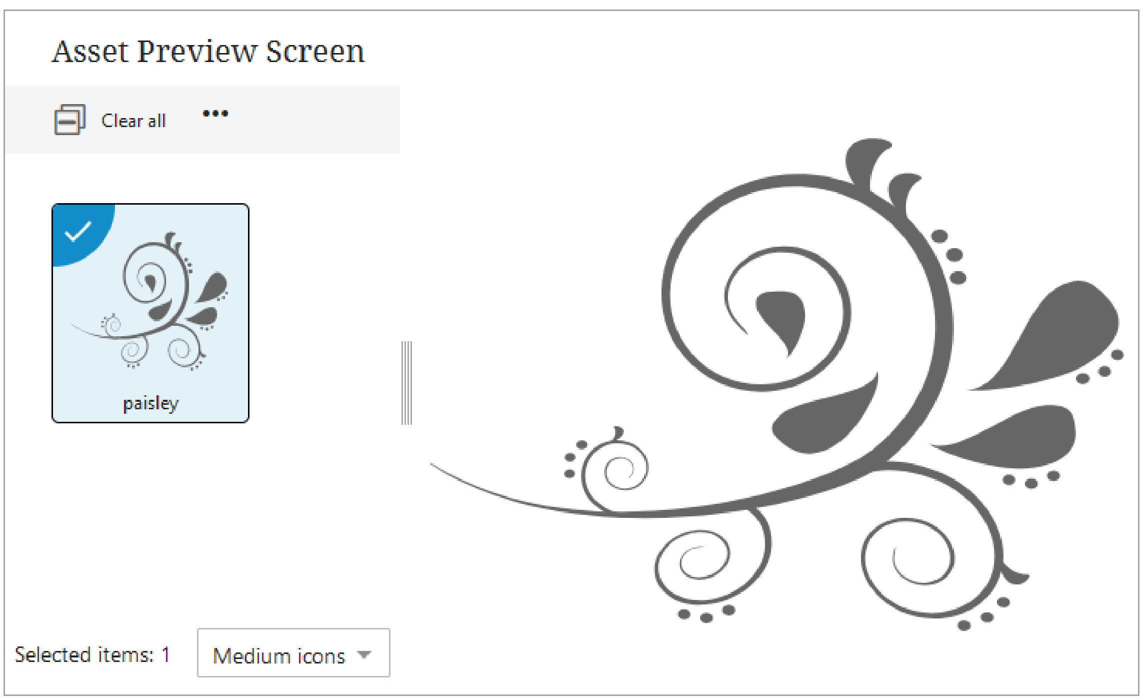
For more information, see the Creating Objects with Active Keys topic in the Web User Interfaces / Web UI Setup and User Guide documentation.

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.

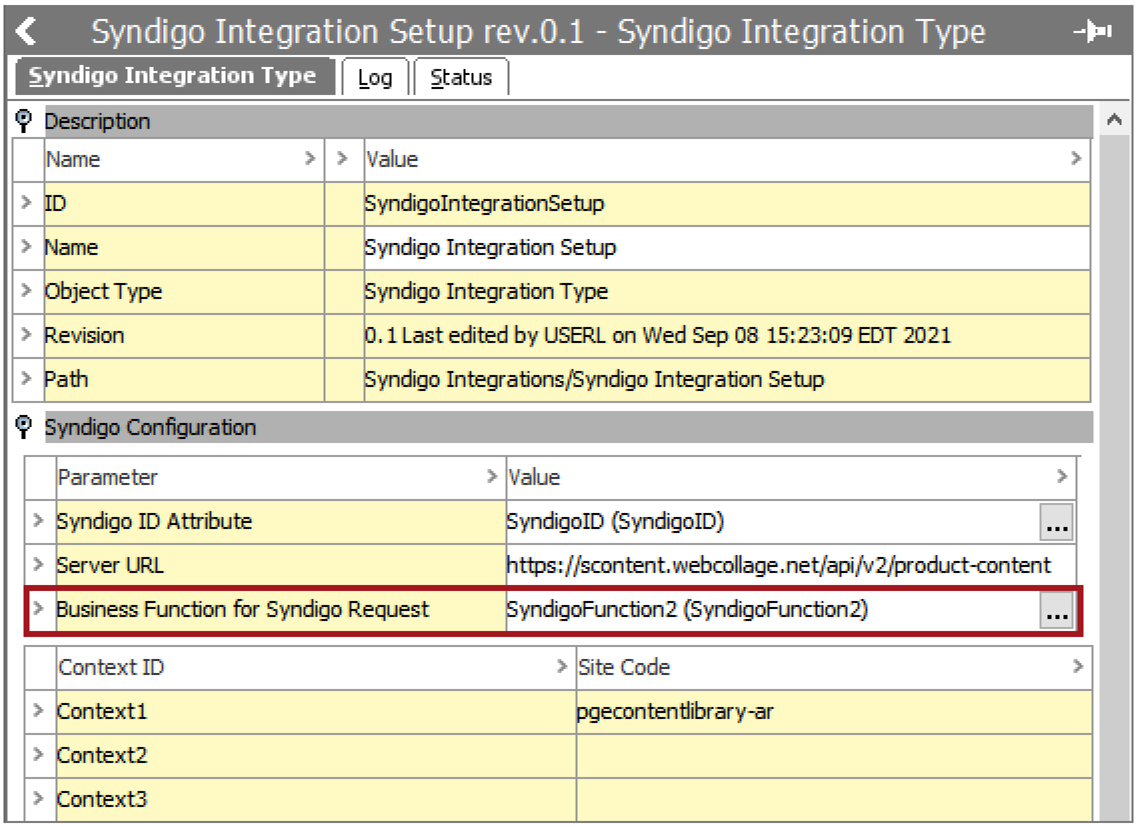




For more information, see the MIME Types topic in the System Setup / Super User Guide documentation.

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.



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, see the Adding Rich Marketing Content from Syndigo topic in the Product Editor Screen section of the Web User Interfaces / Web UI Setup and User Guide 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, see 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, see 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.

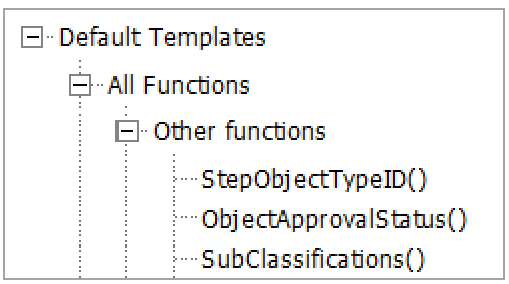
With the new mechanism, there is also a change to how threads are assigned for processes that make use of the parallel framework in STEP. While previously the number of threads was assigned statically per background process queue, the number of threads per BGP will be dynamically assigned when a BGP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

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

New Calculated Attributes

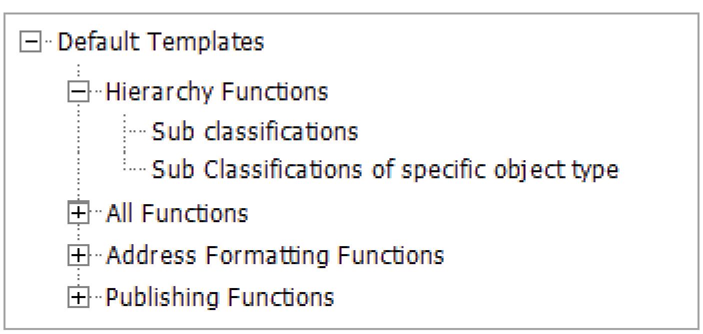
A number of functions have been implemented that allow users to work more effectively with calculated attributes and better meet customer expectations around what information can be provided via calculated attribute.These functions are inserted in the Value Template field of a calculated attribute. They 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, see the Calculated Attributes in the System Setup / Attributes 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.

Web UI Enhancements and Changes

Summary

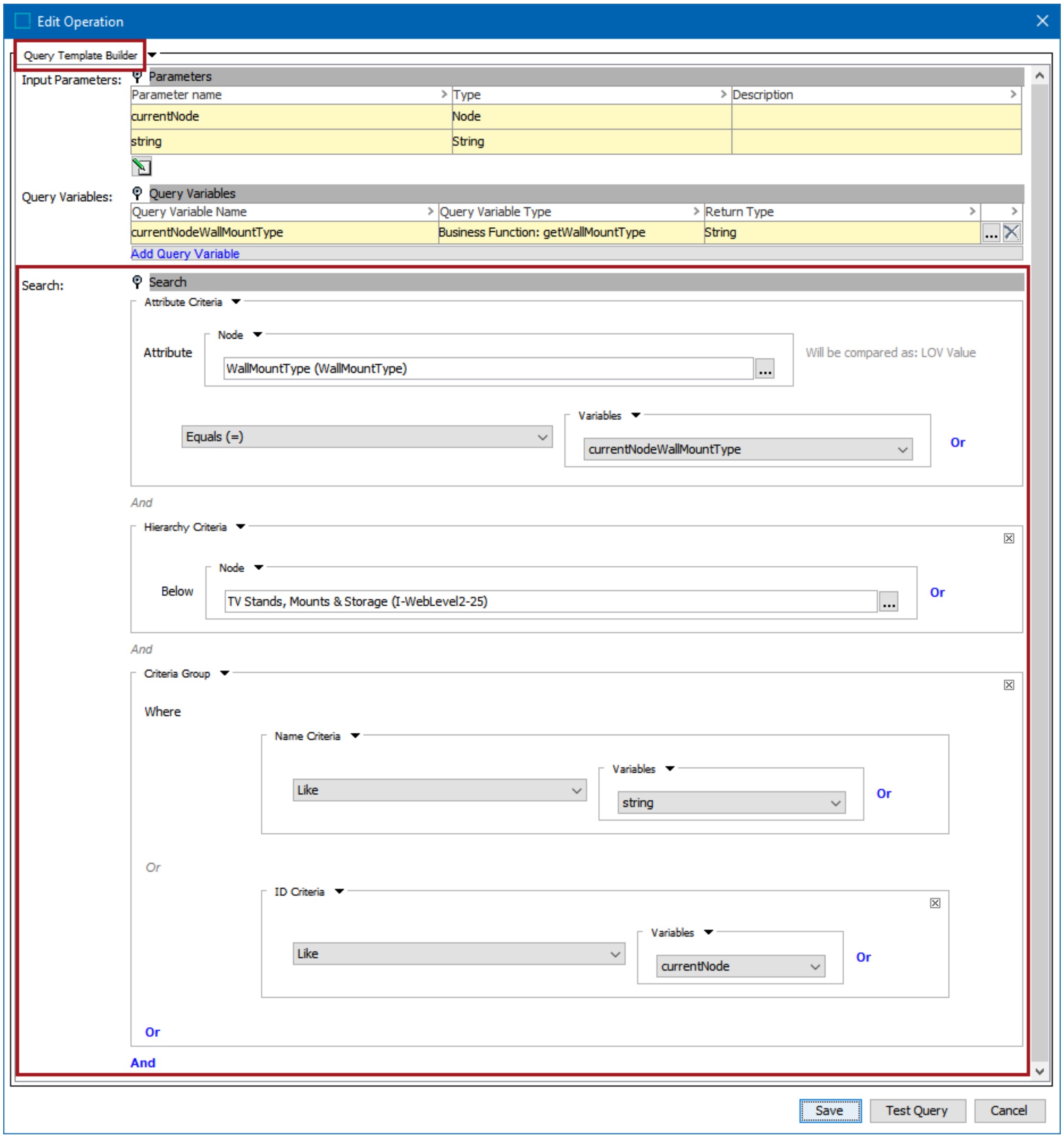
The following enhancements have been made to the Web User Interface:

- 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 see 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.

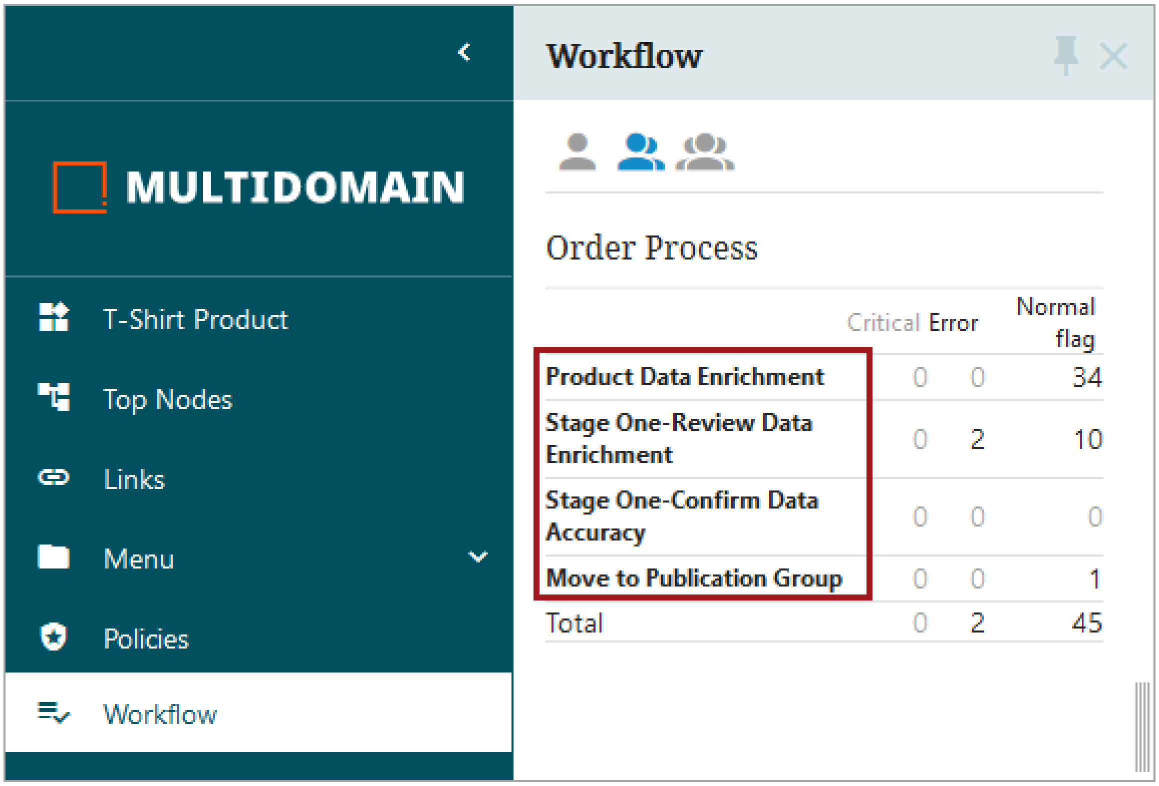


For more information, see the Custom Reference Target Search topic in the Web User Interfaces / Web UI Setup and User Guide documentation. Also, refer to the Query Template Builder Operation topic in the Business Functions section of the Business Rules documentation.

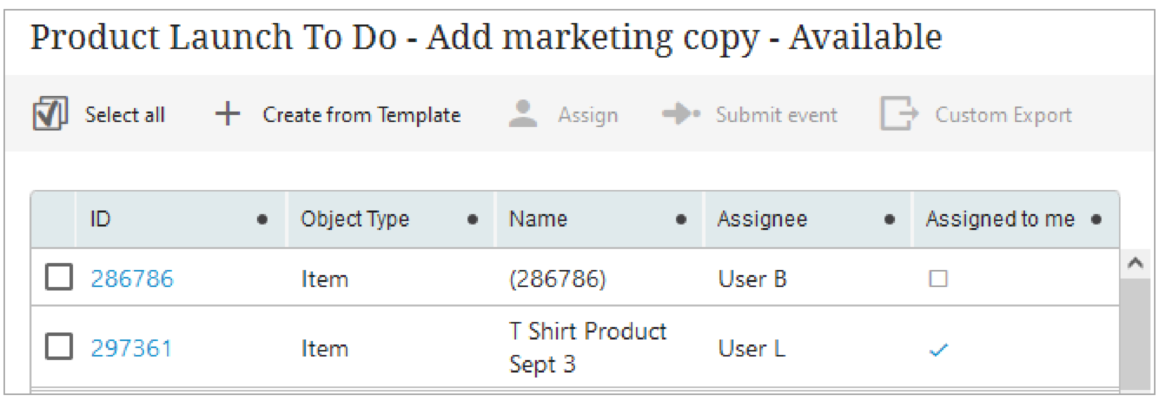
Enhanced Web UI styling improvements

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 see 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.

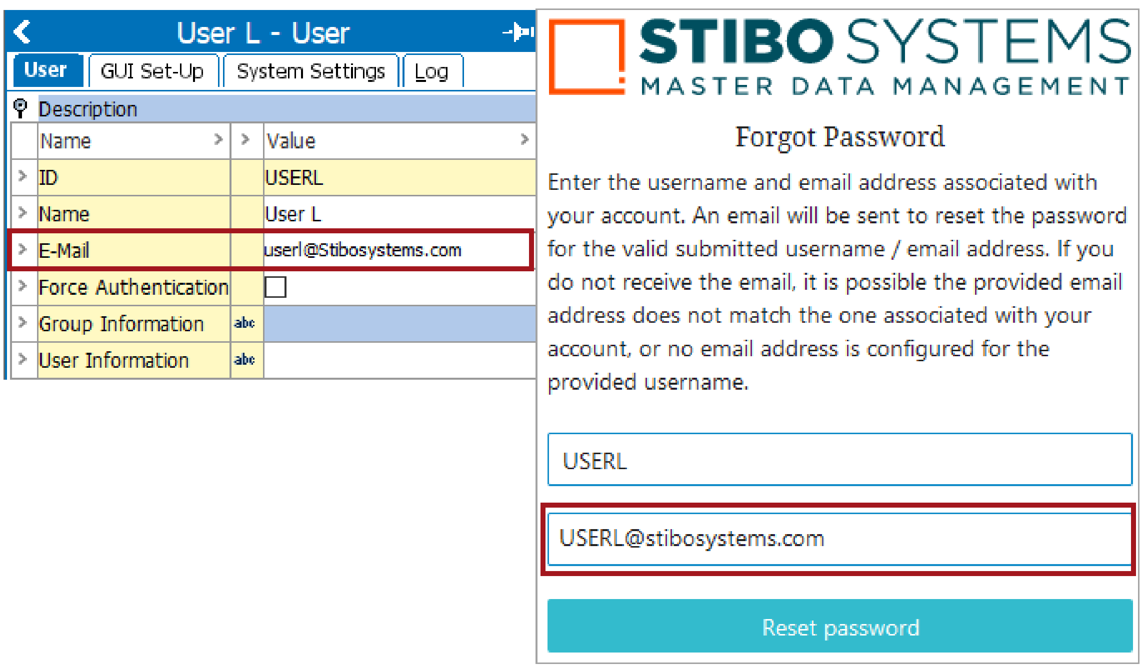
- There is consistency in the look and feel when adding multiple values to tables and dialogs, such as in the Advanced Search screen, Multi Edit Display Mode, and the Application Manager Screen for Automotive.
- Informational and disabled texts now display consistently according to their types across 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

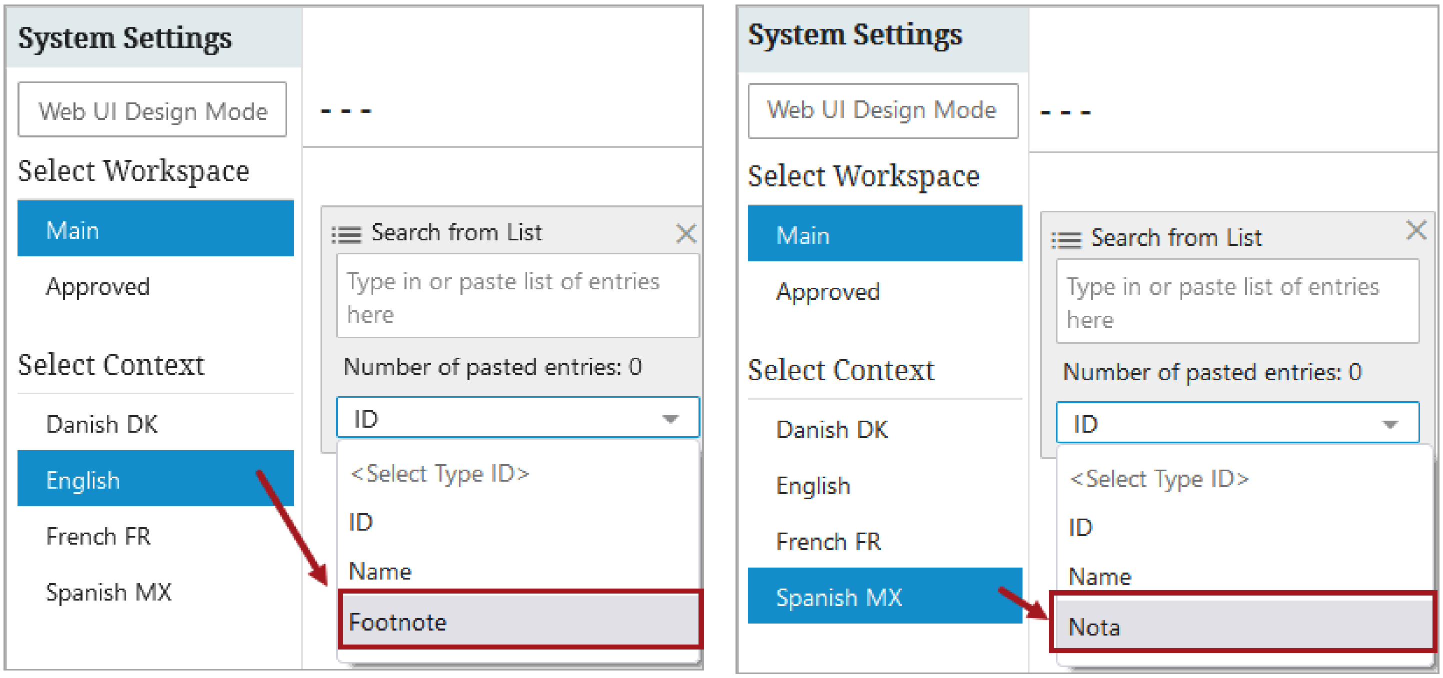
The email field on the Forgot Password screen is no longer case sensitive. After the user enters their username and email to retrieve their login credentials, the user will now receive the reset email based on email address correctness and not its case sensitivity. This enables users to regain access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



For more information, see the Accessing a Web UI topic in the Web User Interface / Web UI Setup and User Guide documentation.

Improved attribute translation for Search from List in Advanced Search

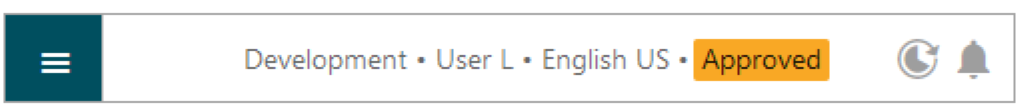
Users can now see language-dependent attributes translated for different contexts when using the Search from List option in the Advanced Search screen. Previously, after saving a search, changing contexts, and starting a new or using a saved search using the Search from List option, the newly selected 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, see the Using Advanced Search topic in the Using a Web UI section of the Web User Interfaces / Web UI Setup and User Guide 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.

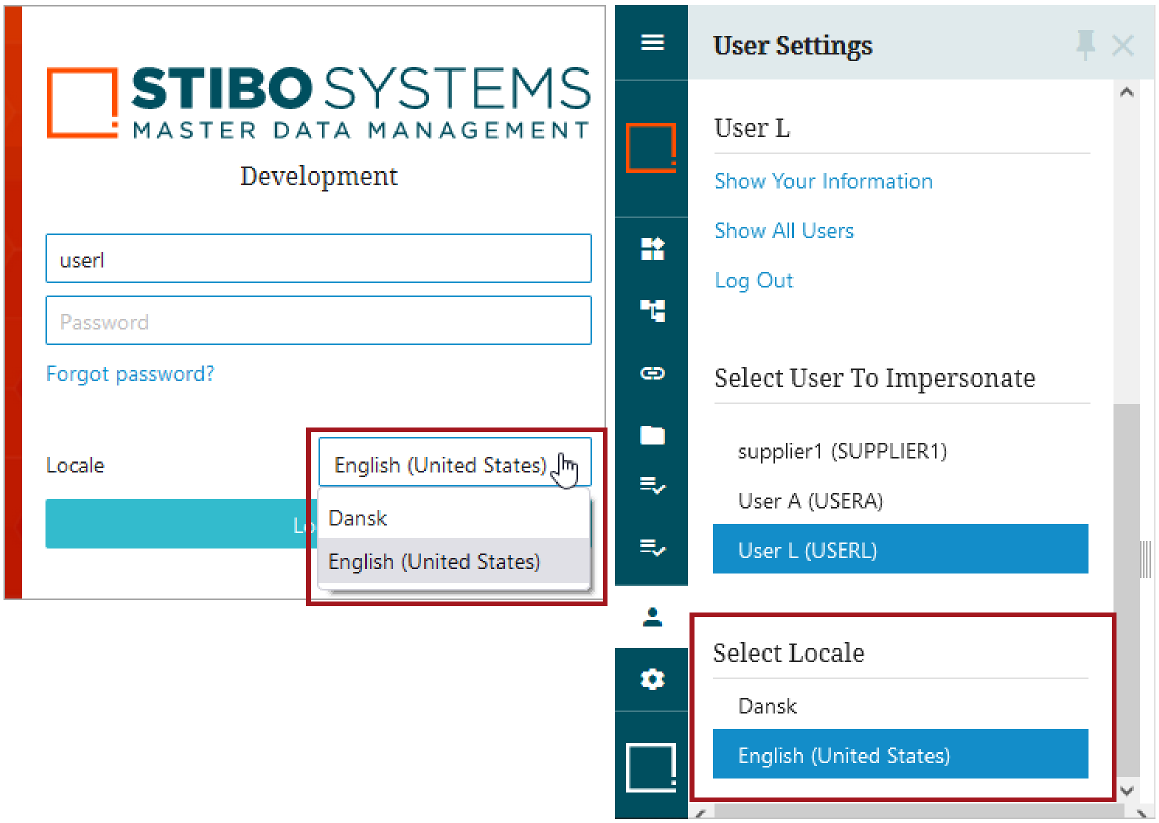


For more information, see the Web UI Settings topic in the System Setup / Super User Guide documentation.

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.



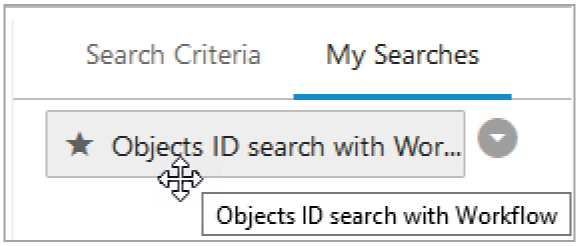
For backwards compatibility, users who have already configured the old Locale Selector child component on the Login Screen will still be able to use it as designed but are encouraged to use the new Locale Global Representation component. If both the old Locale Selector child component on the Login Screen 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, see the Localization topic in the Administration Portal documentation.

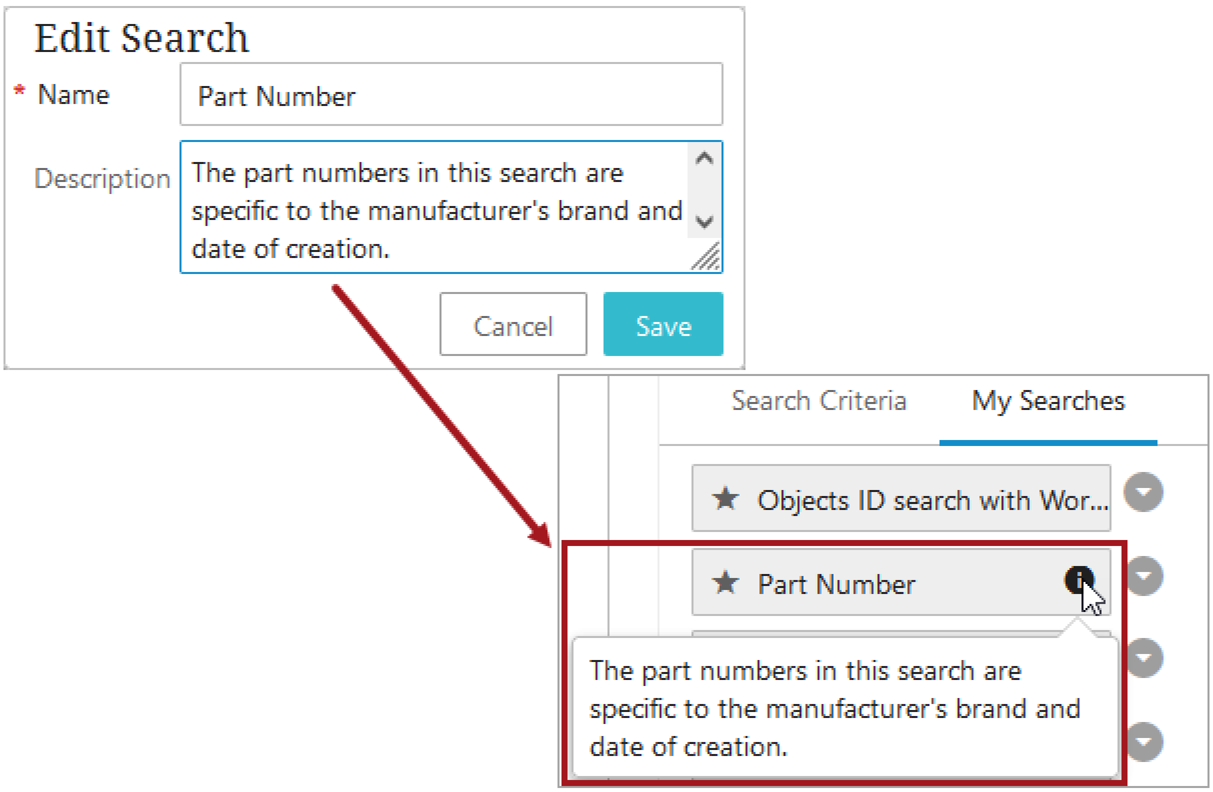
Enhancements to saving searches in Advanced Search

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.

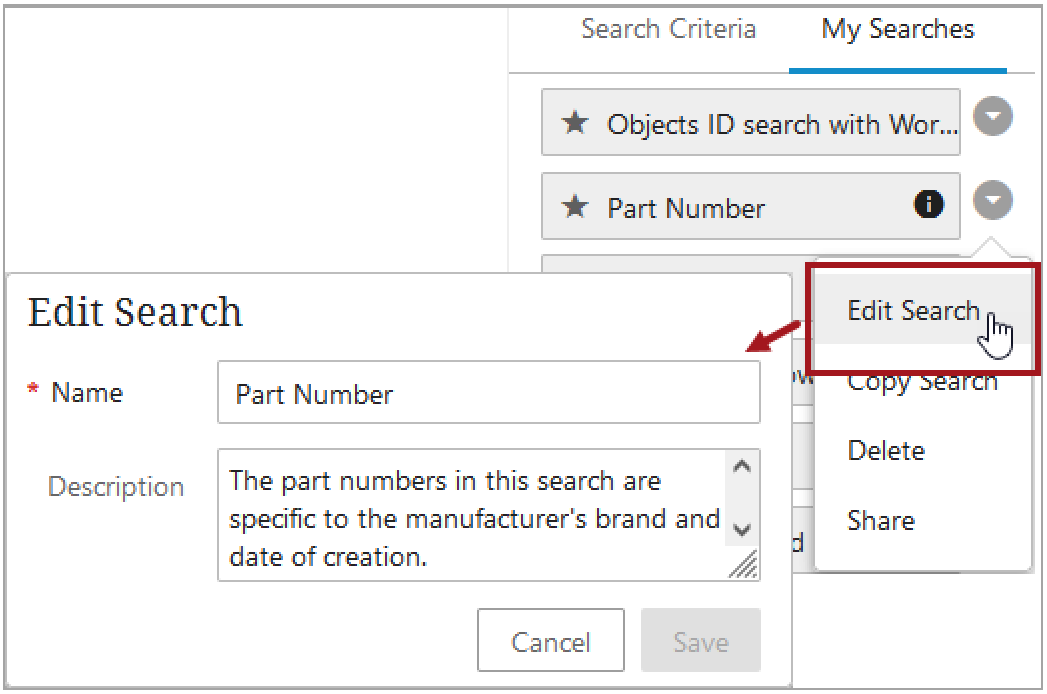
- The full name of a saved search is now visible when hovering over a long name that is truncated with ellipsis.



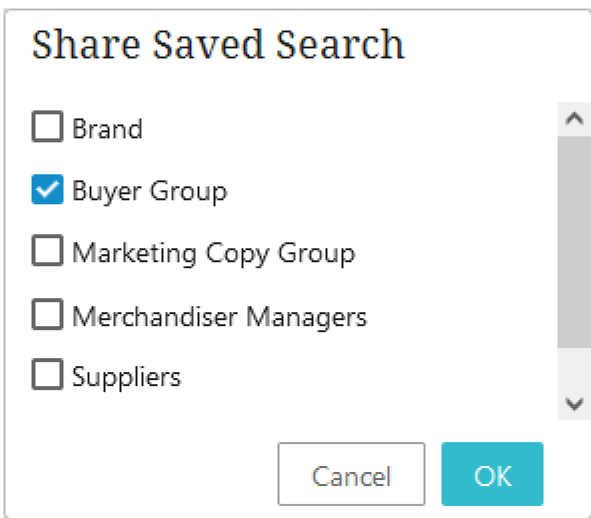
- The Name parameter was always mandatory when saving a search, but there is now an indicator notifying the user that it is a mandatory field. Also, a new description field displays under the name when saving a search. Users can add additional information about the search, which is displayed by clicking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



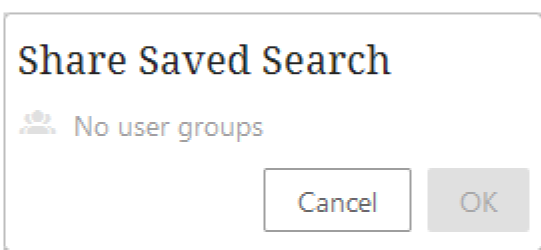
- The Rename button that allowed a user to update a saved search's name has been renamed to Edit Search. This new name reflects that a user can now edit the Name and Description fields of a previously saved search.



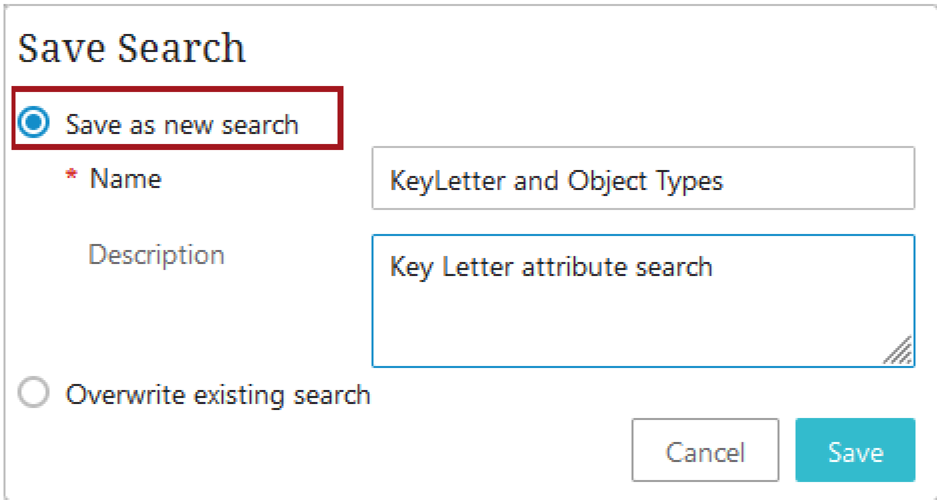
- When selecting to share a saved search with other user groups, the Share Saved Search dialog now displays a scroll bar whenever the size of the list exceeds the user's screen height. Additionally, the OK and Cancel buttons are now always visible and able to be selected.

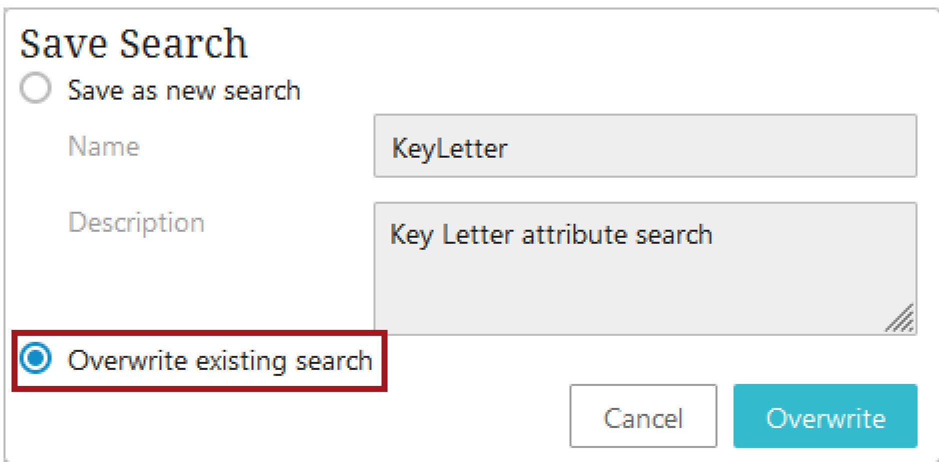


- A message displays if there are no user groups available to share a saved search.



- 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.



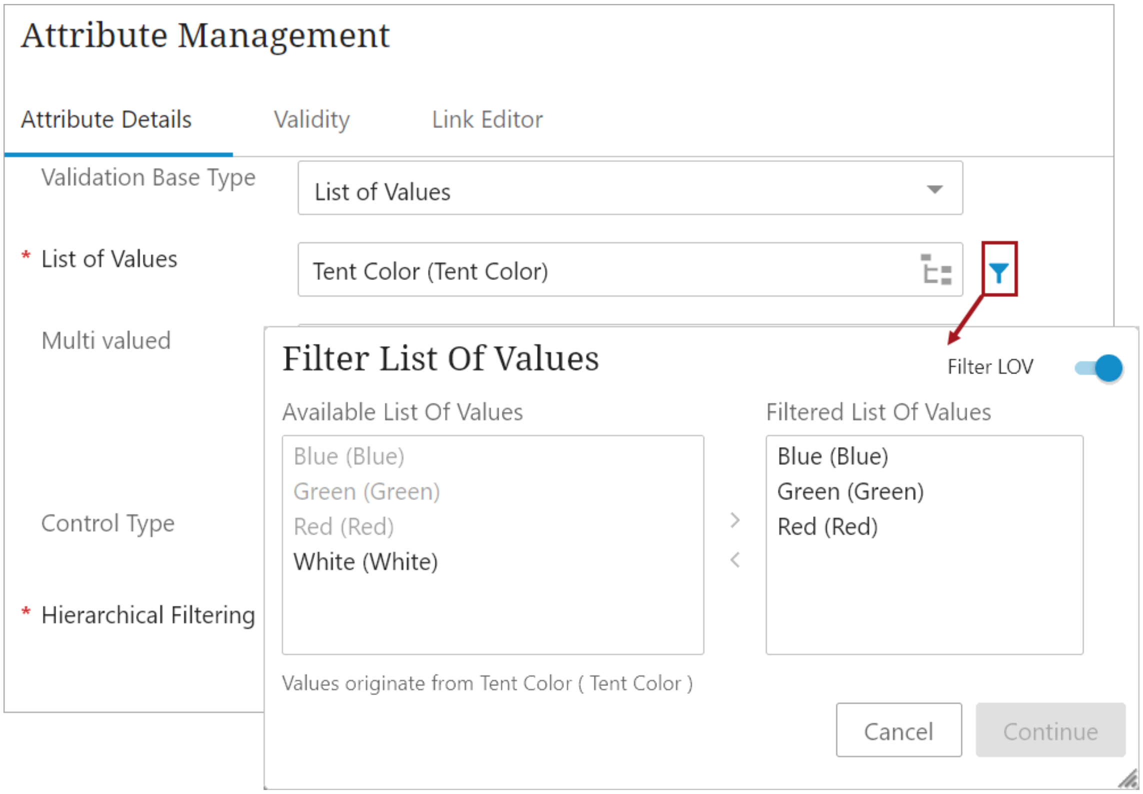


- The Clear button on the Advanced Search screen fully clears all current searches without having to refresh the page.

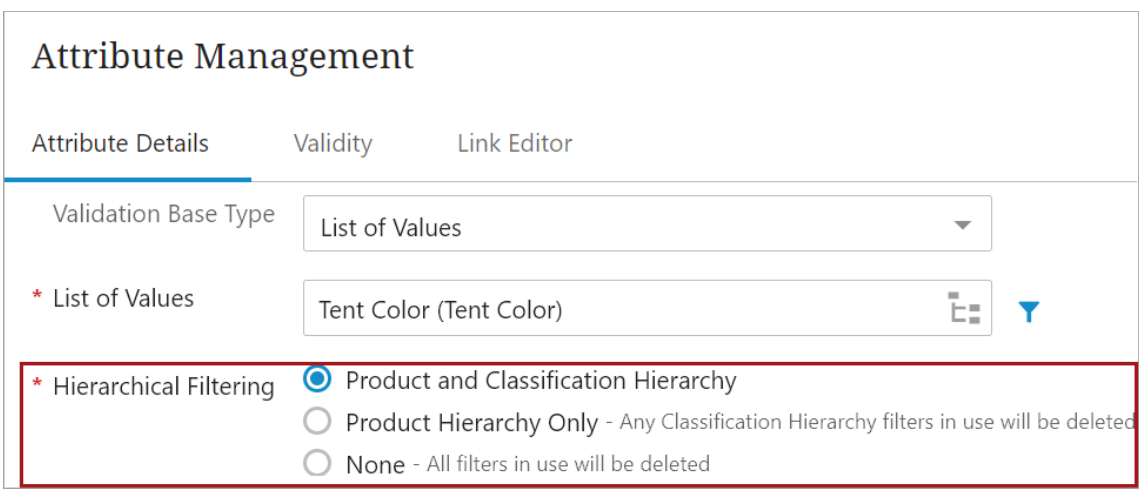
For more information on Advanced Search, see the Advanced Search topic in the Using Web UI section of the Web User Interface / Web UI Setup and User Guide documentation.

New LOV filtering available on the Attribute Management Screen

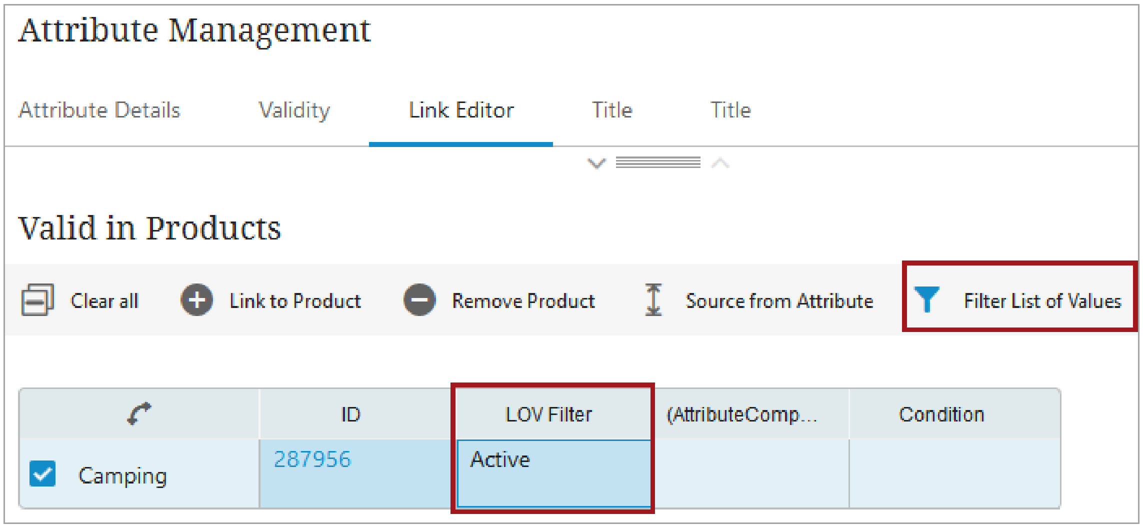
It is now possible to filter List Of Value (LOV) attributes on the Attribute Management Screen. On the Attribute Details tab on the Attribute Management Screen, there is a new filter that displays next to the List of Values parameter. A user can click on the filter and further define from the main LOVs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



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.



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).



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, see the Attribute and LOV Creation and Maintenance in Web UI topic in the Using a Web UI section of the Web User Interface / Web UI Setup and User Guide documentation.

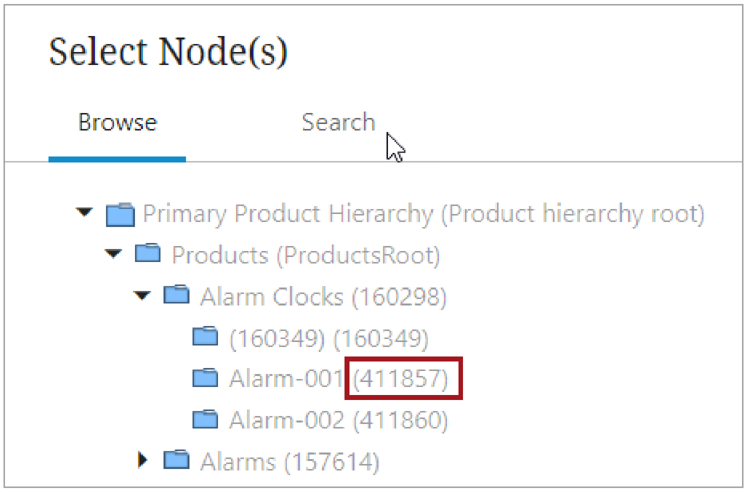
New icons for assets

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, see 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.

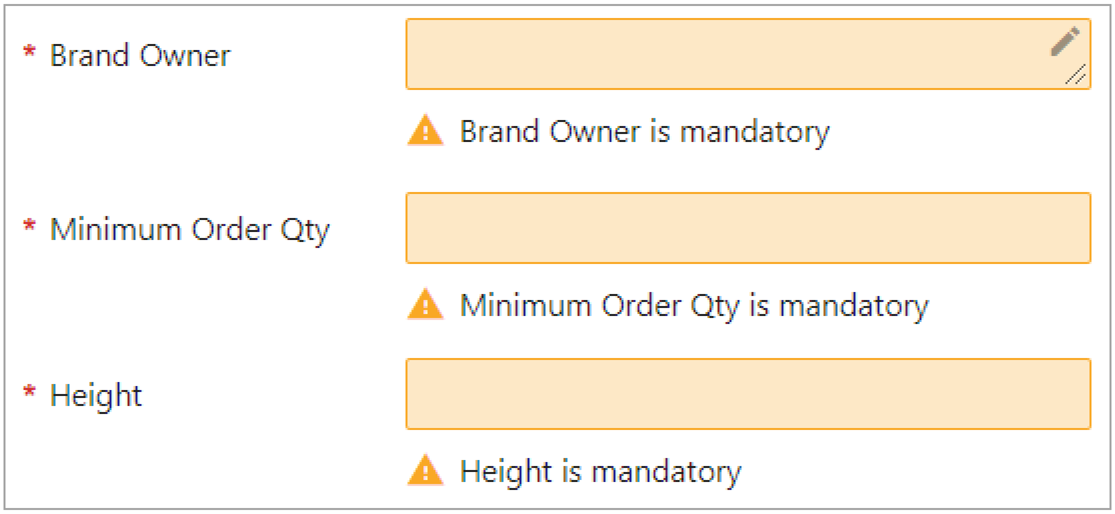


For more information, see the Add Reference Action topic in the Web User Interfaces / Using a Web UI documentation.

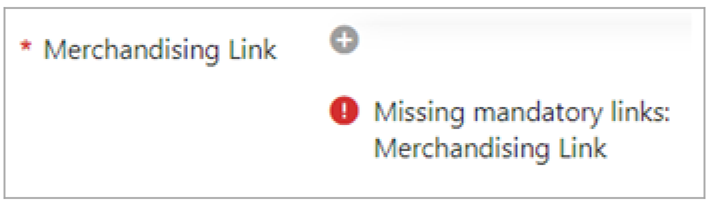
Enhancements to notification and help messages

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.

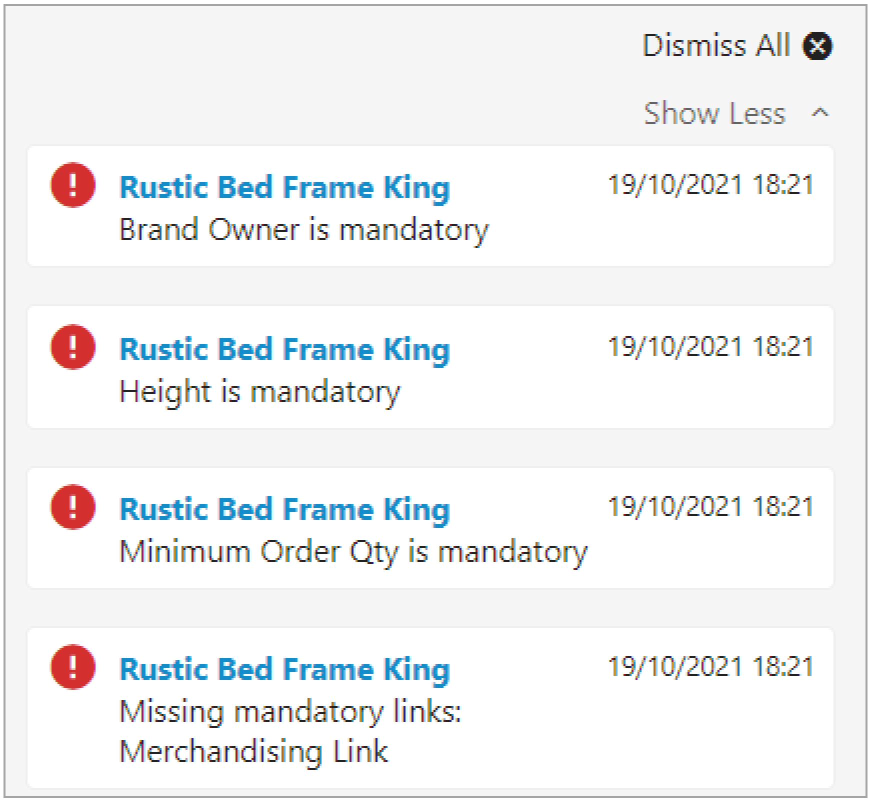
Error and warning messages generated from missing mandatory attributes on Node Details screens now display beneath the relevant field.



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

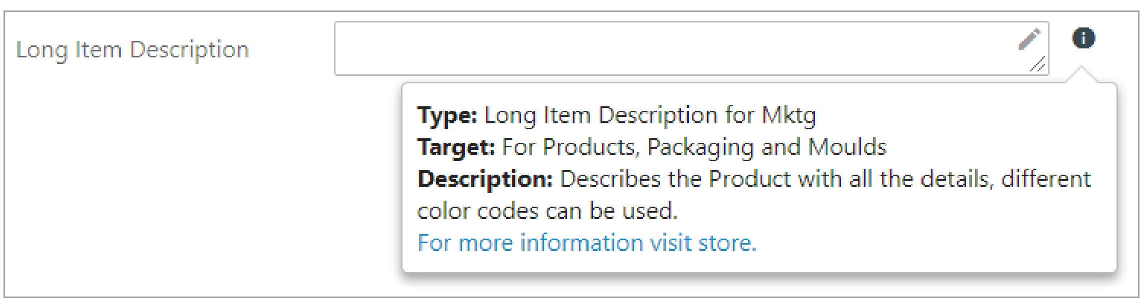


In the Notification panel, the error and warning messages are now displayed separately with each attribute details.



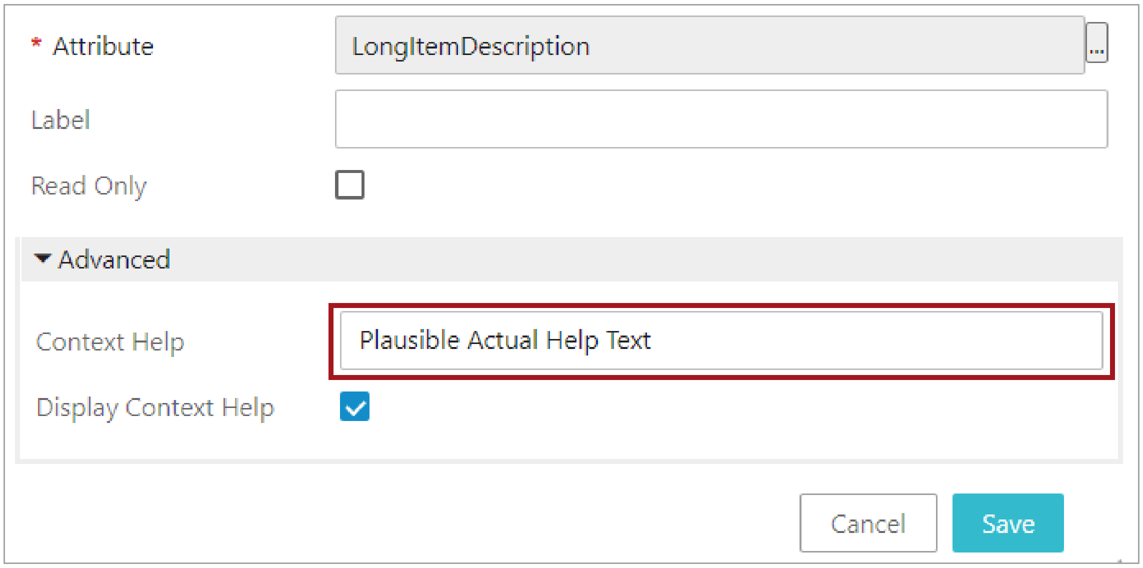
For more information on mandatory attributes in the Web UI, see the Mandatory Attributes in Web UI topic in the Web User Interfaces / Using Web UI documentation.

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.



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.



For more information on configuring help text on attributes in the Web UI, see 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, see the Custom Export topic in the Web User Interfaces / Web UI Setup and User Guide 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.

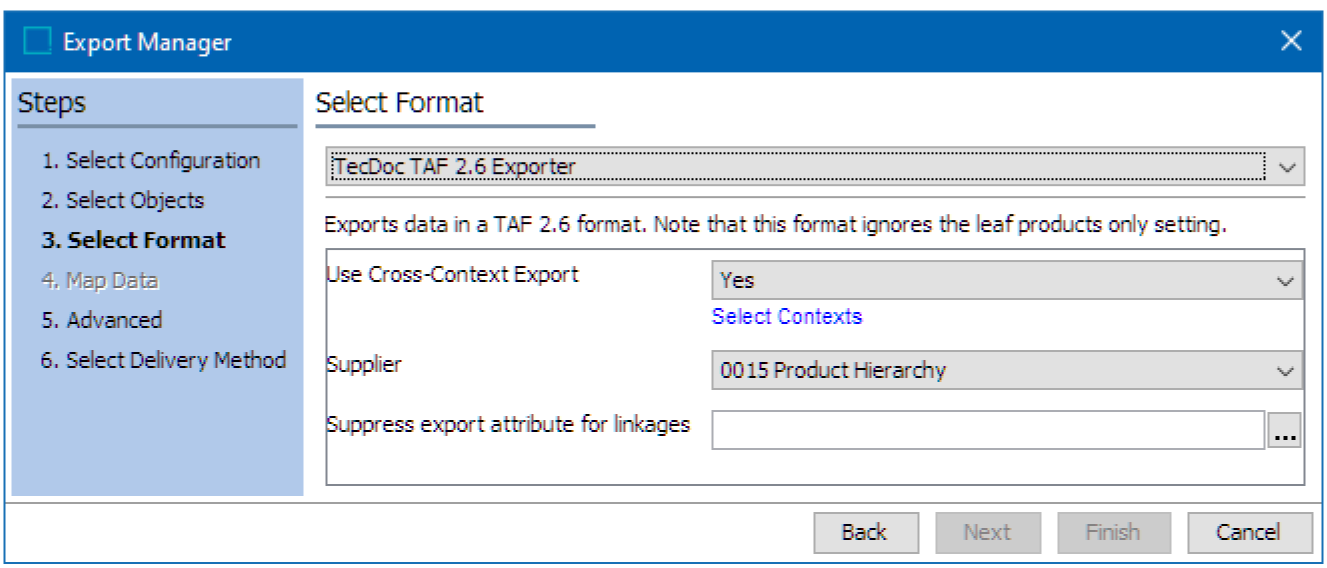
TecDoc Reference Import has been updated to create logistic criteria attributes from TAF table 53 under the attribute group Logistic Criteria Attributes (ID = TD_LogisticCriteriaAttributes).

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.

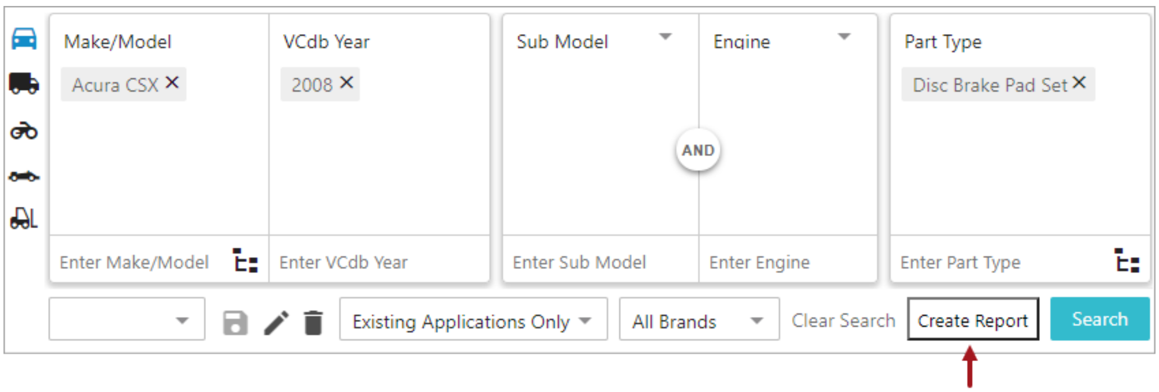
- ATTR_PC_LBez attribute (ID = TD_ATTR_PC_LBez) of 'Text' validation base type, and valid for 'Vehicle Type (PC)' object type
- ATTR_CV_LBez attribute (ID = TD_ATTR_CV_LBez) of 'Text' validation base type, and valid for 'Vehicle Type (CV)' object type

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



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 Background Process Notification Component 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

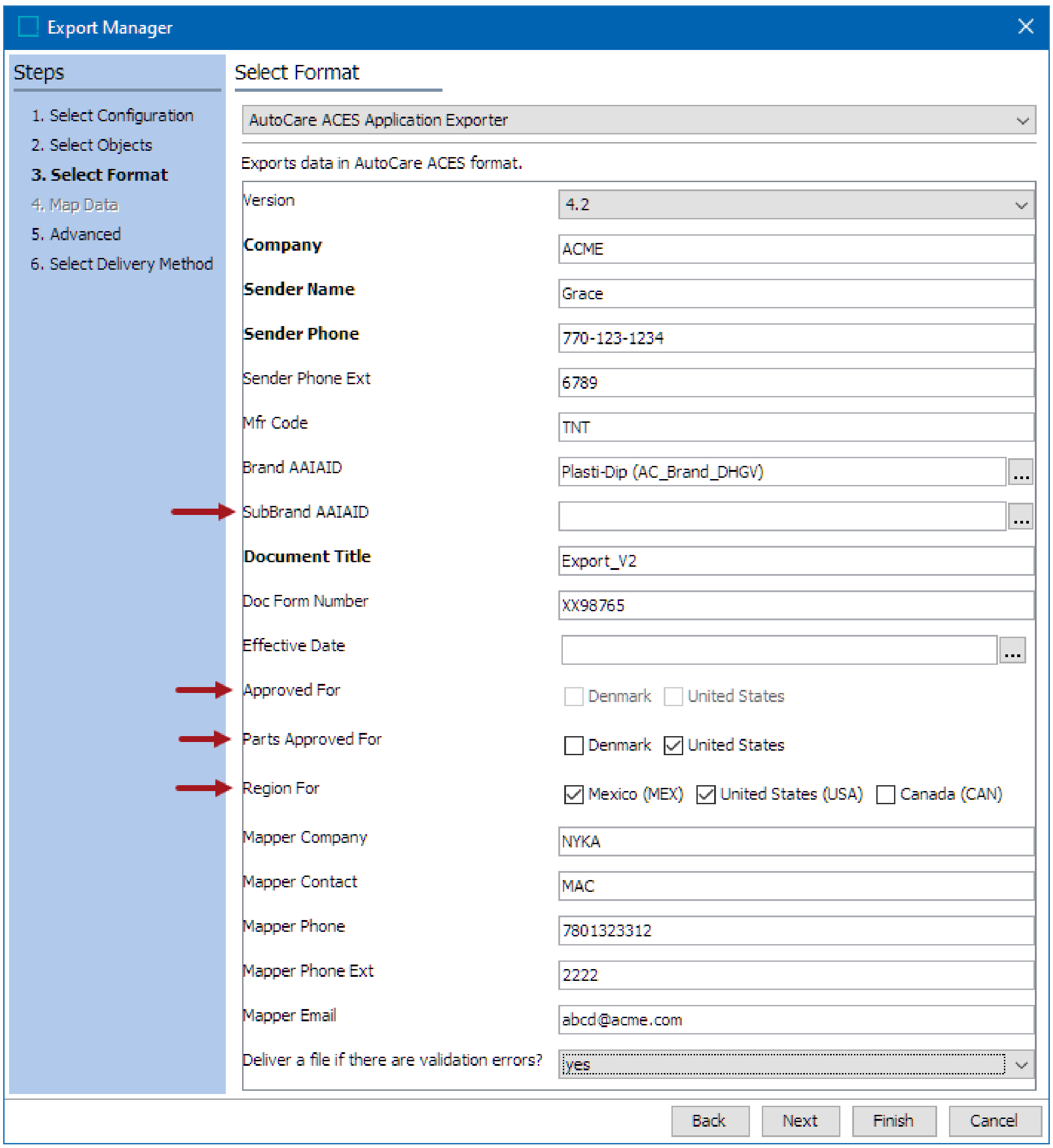
Added support to handle the <RegionFor>, <PartsApprovedFor>, and <SubBrandAAIAID> tags that were introduced with ACES version 4.2.

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

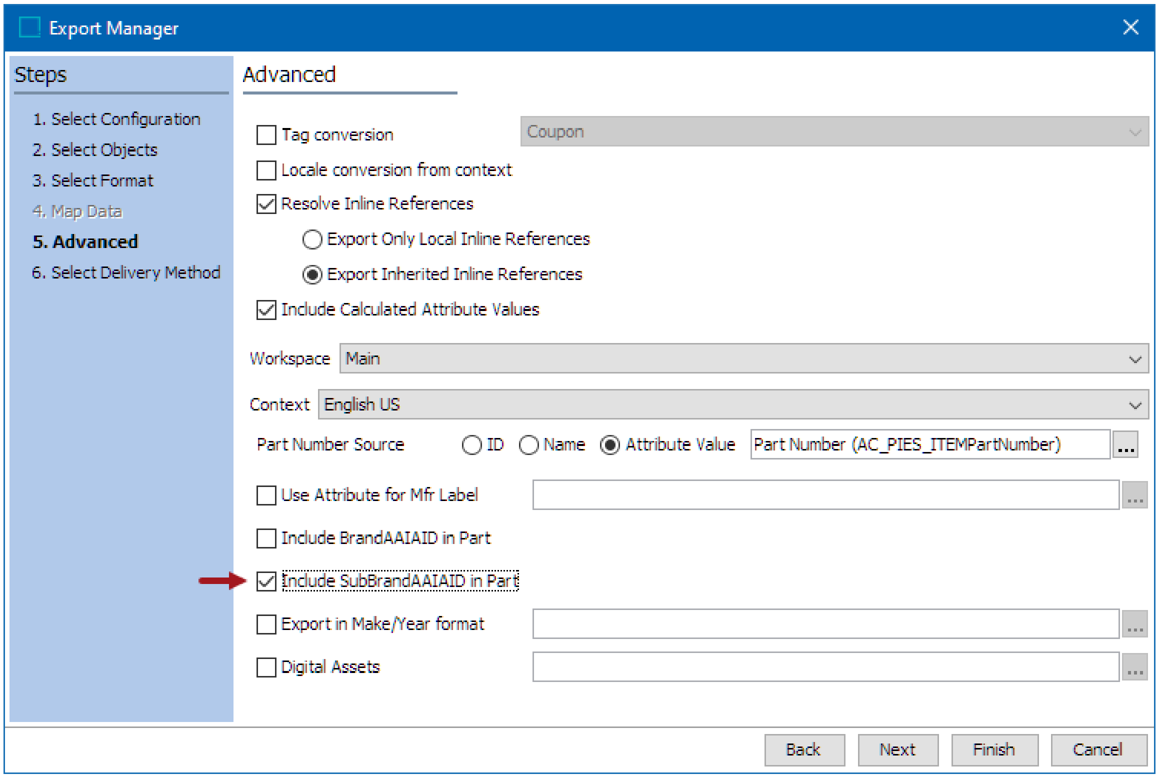
The following changes are implemented in the AutoCare ACES Export Manager:

- 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, see 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 AAIAID' is added within the Select Format tab of the ACES Export Manager. This parameter allows a Sub Brand AAIAID (Automotive Aftermarket Industry Association ID) object to be selected. The exported ACES file will include the four character Sub Brand AAIAID between the <SubBrandAAIAID> tag in the header section. For more information, see AutoCare ACES Application Exporter topic.



- 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

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.

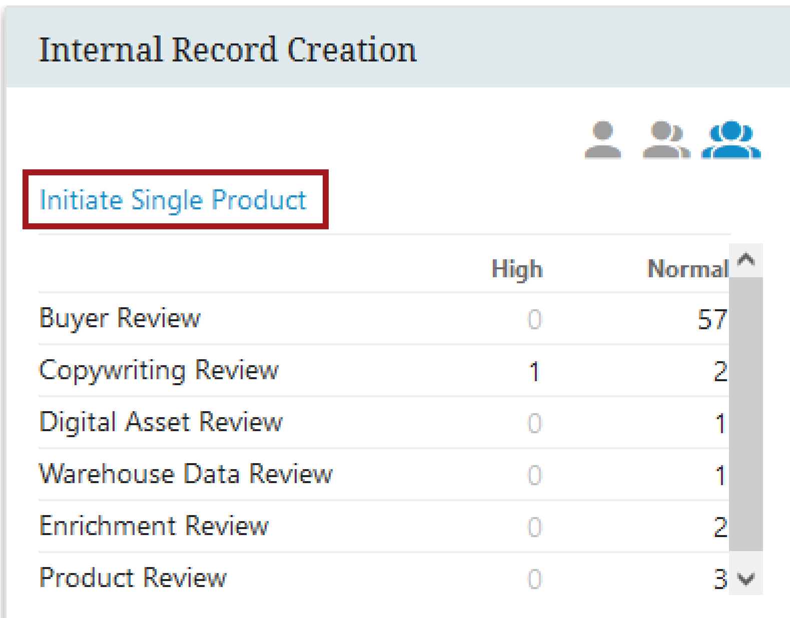
For assistance in applying the patch to systems with extensions or additional add-on components, contact Stibo Systems Technical Services. Instructions for installing components can be found in the SPOT Program topic in the System Administration documentation.

PIM for Retail Enhancements and Changes

Product creation functionality expanded

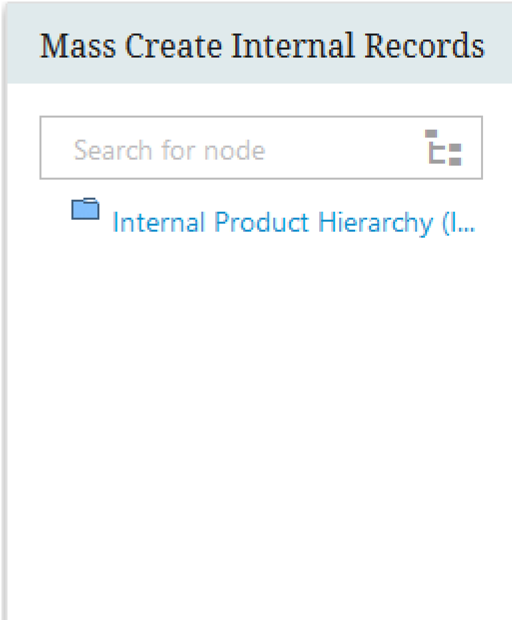
For the first time, retailers now have the ability to easily create one or multiple products within the PIM for Retail solution. This solution expansion provides retailers with additional flexibility, enabling data stewards to manage a wider range of products using the PIM for Retail solution.

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.



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.

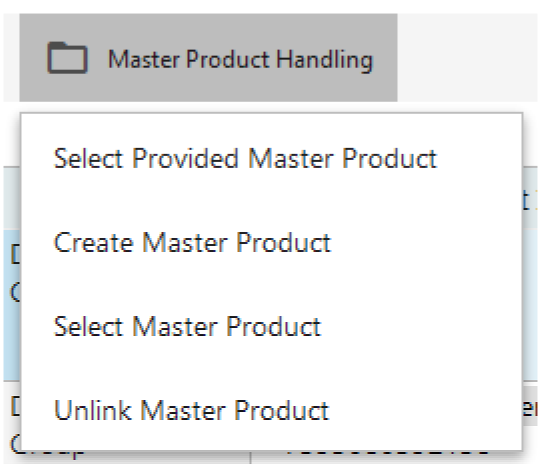


Third, when product data received from an enterprise resource planning (ERP) system via an inbound integration endpoint (IIEP) initiates the creation of new products, the PIM for Retail solution now supports automatic entry of those products into the Internal Source Record Creation workflow.

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 full details on the PIM for Retail solution, see the PIM for Retail section of the Solution Enablement documentation. For more information on the expanded product creation capabilities, see the Retailer Creates Record topic in the Onboarding documentation. For more information on the new Master Product Handling functionality for Node Lists, see the PIM for Retail Product 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 see 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 see 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, see 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 Platform and Software Support section of the System Release and Patch Notes documentation within online help.

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

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

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 seen 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.

Elasticsearch fix

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

Date filtering fix for Static Facet

On the Web UI 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.